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Field trips to implement the science curriculum in the elementary schools of Chicopee, Massachusetts.

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**FIVE COLLEGE
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FIELD TRIPS to IMPLEMENT the SCIENCE
CURRICULUM in the ELEMENTARY SCHOOLS
of CHICOPEE, MASSACHUSETTS

by

JOHN H. DUMONT

A problem submitted in partial fulfillment
of the requirements for the
Master of Education Degree
School of Education
University of Massachusetts
Amherst, Massachusetts
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CHAPTER I

STATEMENT OF THE PROBLEM

CHAPTER I

REASONS FOR PRESENT STUDY

During the past decade there has been an increasing interest on the part of educators regarding the coupling of the school and the community in which it serves. According to Barnard, "Field trips offer limitless opportunities for extending science horizons."¹ Indispensable advances in educational theory and practice along with the continually changing progress in the fields of technology, communications and transportation have exerted the necessity for the school curriculum to be closely associated with the community resources and activities. Brown² states that school boards have adopted official courses of study and curricula which emphasize community study and the use of community resources because they recognize several key points. They are as follows:

1. The psychological value of the "familiar" in the environment as a basis for curriculum activities at all school levels - bringing school activities down to the realities of life.
2. The need for improving interests of students in what is studied; improving opportunities for applying what is learned and studied in the school.

¹ Barnard and others, Teachers' Manual - The MacMillan Science Life Series (New York: MacMillan Co., 1959), p. 16.

² James Brown and others, A-V Instruction: Materials and Methods (New York: McGraw-Hill Book Co. Inc., 1964), p. 387.

3. The short tenure of teachers in smaller communities; making results of community studies available can improve the teachers' effectiveness.
4. Lack of local knowledge on the part of new teachers. The community itself or its region is no longer the principal recruiting ground for its teachers; indeed many come from considerable distances and need to be familiarized quickly with the community in which they are to teach.
5. The need for improving cooperation among the teachers themselves, teacher and administrator; and the school people and the institutions of the community.
6. The surprising lack of information of today's student about his own community, area or state. With generalized, nationally published and distributed instructional materials, it is often easier to study distant places than those in the immediate vicinity.
7. The rich storehouse of instructional resources, waiting to be used, which lies within any community. It cannot be used unless it is known. It cannot be known, to any degree, unless it is studied carefully. ³

Likewise business and industry have taken an interest in school programs by producing audio-visual materials to be used in the classroom. They also expressed this interest in thousands of communities throughout the United States, where they have in the past six or eight years sponsored ⁴ Business, Industry and Education Days.

"Life has become less personal in larger communities. Public servants have delegated an ever-increasing responsibility for our community needs. Thus, it is particularly

³ Brown, op. cit., p. 388.

⁴ A. B. Roberts and Elizabeth L. Bloss, "The Field Trip and the Curriculum," Audio-Visual Instruction, Vol. 2 (March, 1957), p. 69.

important that young people learn the intricacies of modern community life and come to understand its changing character." ⁵

The modern school curriculum is primarily designed to provide the child with many kinds of experiences through which a student may learn actively. ⁶ One way to accomplish this goal is to provide children with direct and observational experiences made possible by the educational field trip. With carefully planned and executed trips into the community in which the child lives, a major portion of first-hand knowledge can be gained.

Field trips have many educational advantages in addition to that of bringing the community and schools closer together:

1. Real source materials can be studied and concrete evidence obtained. School work is related to real life as the community becomes a laboratory.
2. Opportunities are available to develop responsibility, self-discipline, initiative, courtesy, and good human relationships, and good public relations may also result.
3. Interest in school work may be greater.
4. Oral and written expression may be stimulated. ⁷

The available resources and needs of all communities present a challenge to the educational establishment. The

⁵ James Brown, op. cit., p. 387.

⁶ Howard L. Hendricks (ed.) Governor Mifflin Schools Elementary Division Field Trip Guide (Shillington, Pa.: Governor Mifflin Senior High School Graphic Arts Department, 1959), p. 2.

⁷ Brown, op. cit., p. 397

main objective is to provide worthwhile experiences for student groups through the use of resources which are fulfilling the needs of the community, regardless of size or location.⁸

PROBLEMS INVOLVED WITH FIELD TRIPS

For many years the City of Chicopee Public Schools had conducted field trips for its youngsters. However, the program was not very successful. Problems plagued the well-meaning effort since its inception.

At first, most administrators as well as teachers, believed that confinement to a classroom was more educative than any away from school activities. This statement can be supported by a nationwide survey conducted by American Industry in the early 1950's and aimed at school administrators. The 1500 educators were asked to reply to these five questions:

1. What type of cooperation with industry do the schools now accept?
2. What is the role of education-industry in the public schools?
3. How is cooperation with schools established?
4. What are sound policies governing cooperative services to school?
5. What are some of the problems in cooperation?

Responses to question five indicated that many children were not able to take field trips because of the lack of recognition by teachers of the value of direct observation and contact with reality.⁹

⁸ Roberts, op. cit., p. 70.

⁹ Brown, op. cit. 1959 edition, p. 353.

Inflexible school programs became another stumbling block. With rigid time schedules prevalent in schools, field trips were difficult to fit into the formalized routine.

A large number of teachers had no personal familiarity with the field trip technique of education. Yet, they were responsible for making all the necessary arrangements for the trip. This included contact with the establishment to be visited, scheduling transportation through the Director of Transportation, and finally obtaining general clearance through the school administration office. Unfortunately there was no established written procedure to be followed which would have facilitated the taking of a field trip.

Many teachers in the community were unaware of the resources available to them and their students. Only one earlier study in this area had been made by Rodden¹⁰ and this was never accepted by the Chicopee School Department or widely circulated among the faculty members.

Financial responsibility for such trips entered into the picture very early. All trips were paid for by funds in the general account of the Chicopee Public Schools. However, no specific amount had ever been set aside. So when funds in this account were exhausted, no further field trips could be taken during that school year.

¹⁰ Rita Rodden, A Survey of Local Community Resources Available to the Pupils of the Chicopee School System. Unpublished Masters Thesis, College of Our Lady of Elms, 1958.

A final area which needed some clarification was the liability the teacher assumed when taking children from school property to another location.

The author of this paper therefore, a teacher in the Chicopee School System seeing both the need and the difficulties, decided to undertake the problem of trying to systemize and promote the field trip program.

THE PROBLEM

Statement of the problem. It was the purpose of this study to acquaint Chicopee public school children with the people, places, jobs and history in the science areas within a twenty-five mile radius of their community by: (1) establishing a Field Trip Committee which would represent teachers throughout the school system teaching science at various grade levels; (2) establishing a list of community resources which could be integrated with the science curriculum through direct and observational experiences; (3) formulating a questionnaire and distributing it to the list of resources established; (4) establishing a predetermined field trip procedure and the necessary administration forms to facilitate the participation in such activities; (5) establishing a set of guidelines which would aid teachers in the selecting, planning, taking and following-up activities of a field trip; and (6) collating all the above materials into a community resource guide and making it available to all teachers in the Chicopee Public Schools.

DEFINITIONS OF TERMS USED

Authors of Audio-Visual textbooks and journals have used many terms which refer to an organized tour made by groups of students which permit the gathering of data firsthand as a functional part of the learning activity. Some of the more popular are: Field Trips, School Journeys, Educational Tours and Excursions. Since each of these terms appears to have the same meaning, they could have been used interchangeably throughout this paper. The author however, decided to use Field Trips because of its popular and frequent usage.

Upon completing the survey of field trips, a Community Resource Guide containing information on field trip procedure, guidelines, the steps in selecting, planning, taking and following-up field trips, and a list of possible field trips was submitted to the Administrative Council of the Chicopee Public Schools.

The Administrative Council is composed of a group of administrators in the Chicopee Public Schools whose job it is to discuss problems and formulate policies governing the school system. It consists of seven members: three elementary principals, two secondary principals, one department director, the superintendent of schools, and the assistant superintendent of schools.

Ablly assisting the author of this report was the Field Trip Committee. This was composed of a group of teachers in the Chicopee elementary schools who volunteered to help establish a Community Resource Guide. The group of teachers represented various schools and grade levels.

CHAPTER II

REVIEW OF THE LITERATURE

DEALING WITH FIELD TRIPS

CHAPTER II

HISTORY OF FIELD TRIPS

"The realization of the values of the field trip or school excursion as an instructional and learning asset is by no means new." ¹ Their uses can be traced back to the time when group education commenced. It was before the Christian Era, that Greek peripatetic teachers took their students to the "field" to study first hand. "Herodotus and Xenophon traveled abroad to gain knowledge of the people." ² Even during the Renaissance many people traveled to Italy to seek culture by participation in it.

Early in the seventeenth century John Comenius, a Czech educator and pioneer in modern educational methods, strongly recommended it. He was holding the classes for sports and gymnastics in the open air and was taking his boys on long journeys afoot, even into Scandanavian countries. ³ Comenius in his book of Orbis Pictus of 1638, which was the first illustrated book, ⁴ commended the use of a field trip by saying: "People must be taught to get their knowledge, as far

¹ Howard L. Hendricks (ed.) Governor Mifflin School Elementary Division Field Trip Guide. (Shillington, Pa.: Governor Mifflin Senior High School Graphic Arts Department, 1959), p. 1.

² Ruth Bradshaw, "Field Trips Date Back to Grecian Times," Audio-Visual Instruction II (March, 1957), p. 71.

³ Thomas Alexander and Beryl Parker, The New Education in the German Republic. (New York: John Day Do., 1929), p. 53.

⁴ Anna C. Chandler and Irene Cypher, Audio-Visual Techniques: For Enrichment of the Curriculum. (New York: Noble and Noble Publishers, 1948), p. 75.

as possible not from books but from the earth and sky." ⁵

Other educated men were quick to realize the potential wealth in knowledge that could be gained from field trips. Jean Jacques Rousseau of the eighteenth century advocated it in his Education of Emile. ⁶ Heinrich Pestalozzi, the Swiss educational reformer, made extensive use of it in his famous kindergartens. ⁷ And even the famous English poet, Alexander Pope, expressed his views concerning field trips in the following way;

Thus, then to man the voice of nature spake
Go, from the creatures thy instruction take;
Learn from the birds what food the thickets yield,
Learn from the beasts the physic of the field;
Thy arts of building from the bee receive;
Learn of the mole to plow; the worm to weave;
Learn of the little nautilus to sail,
Spread the thin oar and catch the driving gale. ⁸

It was not until the late 1800's however, that some European countries began to incorporate such activities as a regular part of their educational programs. Among these were England, Germany, Facist Italy, Soviet Russia, Poland,

⁵ Hendricks, op. cit., p. 1

⁶ Chandler, op. cit., p. 75.

⁷ Bradshaw, op. cit., p. 71.

⁸ Hendricks, op. cit., p. 1

France, and Holland. Even Japan on the continent of Asia made use of group study trips.

Undoubtedly three of these countries led all the others, both in the extent to which they accepted it as a teaching method and in the development of means to encourage it.⁹

FIELD TRIPS IN ENGLAND

School trips or journeys were used regularly in English education as long ago as 1905. In fact the earliest recorded organized field trip dated back to 1877 when an English class traveled to Switzerland to study a glacier.

In 1911 a school journey association, consisting of teachers, was formed in England to encourage the use of excursions.¹⁰ Recommended by this School Journey Association, four kinds of journeys were organized; the junior school journey in which primary children visited public buildings and other places of interest; the walking journey to nearby parks; homeland journeys permitting high school students to study history, geography, and the social culture of their own country; and the long journey perhaps as far as the continent.¹¹

⁹ Anna H. Cronin, The Use of the Excursion Technique in the Elementary School. Unpublished Masters Thesis, University of Massachusetts, Amherst, Mass., 1951, p. 14.

¹⁰ H. C. Atyeo, "The Excursion As a Teaching Technique," Teachers College Contributions to Education No. 761. (New York: Bureau of Publications, Teachers College, Columbia University, 1939), p. 198.

¹¹ Bradshaw, op. cit., p. 16.

Field trips are still used extensively in the educational curricula of the English schools today. However, field trips are conducted dependent upon the attitude of the teacher and the local school program. It is usually planned and organized by the teacher and his class for the purpose of bringing further light upon a subject being considered, or to aid in gathering information about a problem yet to be solved by them. ¹²

GERMANY AND THE FIELD TRIP

Field trips commenced in Germany around the 1890's along with the German Youth Movement. This period of time was characterized by a reorganization of educational goals and objectives. The emphasis seemed to be upon the first hand experience and knowledge to supplement the discipline of the German classroom which for so many years dominated the entire curriculum.

Slowly it became the custom in many secondary schools to round out the course with a vacation trip to another district in Germany or some adjacent foreign country. Soon after 1900, many state boys' schools were planning a series of trips carefully with particular reference to the geographical study of various regions, to perfecting a use of foreign language or to study art and culture and architecture. ¹³

¹² Cronin, op. cit., p. 16.

¹³ Alexander, op. cit., p. 54.

School journeys, however, did not become a common practice until the close of World War I as part of the nationwide health program. For the elementary school children three distinct types of school trips were contrived: those taken for pure fun, those planned for health and recreation and those where both of these purposes were present, but gain in knowledge was also an important aim. ¹⁴

Field trips in schools continued to grow in Germany until it reached its greatest development during the period of from 1918 through 1939.

In 1933 a new era was started for Germany, the rise of Adolph Hitler and facism. Hitler directed that all German youth organizations be united as the Hitler Youth Association and that school field trips be the main source of education concerning leading traditions and cultures of other countries. "His purpose was to develop a loyalty to the German state." ¹⁵

SOVIET RUSSIA AND THE FIELD TRIP

The innovation of this teaching technique came soon after the Russian Revolution of 1917. According to Lucy Wilson in The New Schools of Russia: "The extraordinary development of this method of instruction is due probably to three different factors. The first in the point of time, actually of the least

¹⁴ Alexander, op. cit., p. 54.

¹⁵ Bradshaw, op. cit., p. 71

important, was the fact that German ideals and methods dominated the pre-revolutionary schools. The second and most important factor was the first post-revolutionary schools were without equipment, without books even, and their only possible laboratories were the great world of nature and in the museums and art galleries in which were still preserved the rich and abundant fruits of their old culture. A third important factor was the remarkable organizing ability of the Russian people." 16

School trips began to multiply rapidly until trips in the high school were not confined to the immediate district but to the entire country. One example was a trip by a graduating class that went to the Ural mountains by one route and returned by another. 17

Field trips for students were not the only ones being planned. Many were organized just for teachers with their objectives being either new experiments in education or else the study of Moscow. 18

Just preceding World War II in 1939, the Young Communist Party conducted many journeys to large industrial factories to acquaint young members of the Party with the vast industrial programs instituted by the new government. Cooperative farms

16 Lucy L. Wilson, The New Schools of New Russia. (New York: Vanguard Press, 1928), pp. 61-62

17 Ibid., p. 64.

18 Ibid., pp. 143-144.

were also visited by many. In recent years these trips have been on the rise in order to cover such places as Crimea, Caucasus, Smarkand, down the Volga River, to Merv and to Tashkent.

With recognition of the field trip as a valuable teaching aid, Germany, England and Russia led the way in the development and utilization of community resources.

FIELD TRIPS IN AMERICA

The earliest record of field trips in the United States dates back to the time of Benjamin Franklin.¹⁹ He made use of the field trip as a means for boys to study methods of farming on neighboring plantations.

From that time to the beginning of the 1930's there appeared to be a slow but steady increase in the use of this medium of education. Credit must be given to the Madison, Wisconsin Board of Education. They pioneered in a resolution to make it an "integral part of the educational program."²⁰

Since the early 1950's the Association, the Progressive Education Association and the United States Office of Education have recommended their use.²¹

Up until five years ago advocates of school field trips had made continuing progress in the organizing of school curricula to include this valuable teaching tool. Many school boards

19 Bradshaw, op. cit., p. 71

20 Ibid.

21 Ibid.

even adopted official courses of study and curricula which emphasized community study and community resources.²²

However in recent years little has been done to encourage its use. Some of the Audio-Visual textbooks in their most recent editions have devoted less space to this method of instruction. One good example is the popular A-V Instruction: Materials and Methods by Brown, Lewis and Harclerod. The 1959 edition devoted twenty-nine pages to field trips while the latest edition printed in 1964 has twenty-five pages.

One of the latest texts in Audio-Visual Administration entitled Administering Educational Media by James Brown and Kenneth Norberg fails to mention field trips at all.

The author of this paper also noticed the fact that since 1956 less than twenty articles on field trips have appeared in nationally circulated periodicals.

SCIENTIFIC STUDIES CONDUCTED ON FIELD TRIPS

With field trips having been in existence for many years commencing in Europe and finally making their way over to the United States, it is surprising to find that the scientific study of this medium of education is extremely limited.²³

²² Brown, op. cit., p. 387.

²³ National Society for the Study of Education, Audio-Visual Materials of Instruction. XLVIII Yearbook, Part I. Edited by N. B. Henry. (Chicago, Ill., University of Chicago Press, 1949), p. 277.

One of the first studies was that conducted by R. H. Price on the "Study of the Values of Field Trips" in 1934.²⁴ He collected data from 268 elementary schools scattered throughout the United States concerning the number and type of field trips. From 122 of these schools covering the entire eight grades, a list containing the types of field trips was composed according to the frequency of usage in each area. The results were as follows: (1) museums, (2) civic buildings, (3) libraries, (4) urban industries, (5) higher schools, (6) rural industries, (7) newspapers, (8) banks and (9) commercial offices.²⁵ When the schools involved in the study were asked to indicate whether or not these field trips were of high, medium or low or no value, more than 75 per cent of all principals rated these activities as of high value. None of the trips were rated as of low or no value.

In a study conducted by H. J. Abraham in 1937²⁶ an attempt was made to analyze the effectiveness of a visit to Washington, D. C. by a group of high school students. His analysis to pupil responses was as follows: "The basic value of this particular journey was represented not so much by a gain in information or political and economic issues as

²⁴ R. H. Price, "A Study of the Values of Field Trips," National Elementary Principal XIII (November, 1934), pp. 502-506.

²⁵ National Society for the Study of Education, op. cit., p. 277.

²⁶ H. J. Abraham, "Let's Interview the Government," Educational Methods XVII (October, 1937), pp. 16-19.

by the total effect was to increase the esteem for the people who make, administer and interpret the laws of the land." ²⁷

H. C. Atyeo conducted his first study on the effect of field trips in 1938. ²⁸ The experimental group consisted of twenty-six high school pupils in an ancient history class. A control group, matched on the basis of age, intelligence quotient, and performance on a standardized history test, was taught with the same methods excluding only visits to various museums. Atyeo's conclusion was that the field trip technique was superior to class discussion, for the teaching of material requiring comparisons and knowledge of concrete objects which can be more easily visualized with the aid of experiences, which the field trip offered and that class discussion yields better results for material for which memory is important - such as dates, dimensions and items usually presented in list or outline form in notebook or textbook. He also concluded that other evidence indicated that the outcomes of field trips include changed or augmented interests, attitudes, points of view and other controls of conduct not measured by typical achievement tests.

"Outcomes of a Study Excursion," was the topic of a study by J. A. Fraser in 1939. ²⁹ He reported that reliable gains in

28 H. C. Atyeo, "The Excursion As a Teaching Technique," Teachers College Contributions To Education No. 761. (New York: Bureau of Publications, Teachers College, Columbia University, 1939), p. 198.

29 J. A. Fraser, "Outcomes of a Study Excursion," Teachers College Contributions to Education No. 778. (New York: Bureau of Publications, Teachers College, Columbia University, 1939), pp. 171-176.

information, understanding skills and attitudes were noted as outcomes from a study field trip undertaken by twelfth grade pupils.

In a later study of Atyeo's ³⁰ the relative effects of field trips and regular class procedure upon later interests were evaluated. The results showed the experimental group showed an increased desire to visit the countries studied and to visit places in the vicinity which held some relationships to the subject matter covered. The discussion group expressed a strong interest in reading books relating to the material, than in making field trips.

³⁰ Atyeo, op. cit., p. 199.

CHAPTER III

PROCEDURE

CHAPTER III

SELECTION OF A FIELD TRIP COMMITTEE

Early in February of 1967 a notice appeared in the "Faculty Bulletin",¹ a weekly publication written by the Superintendent of Schools in Chicopee and designed to keep teachers, as well as administrators, informed on current policies and events taking place in the school system. This notice asked for a volunteer from the teaching staff to head a committee which was to reorganize the field trip program for the school system.

The author of this paper, upon reading this, decided to look into this project with further interest for a number of reasons. First was the fact that the author was enrolled in the Masters in A-V Education at the University of Massachusetts and field trips were studied as part of the educational program. Secondly the field trip program in Chicopee had not been utilized to its full capacity and the author felt something should be done to alleviate this situation.

A call was placed to the Assistant Superintendent of Schools in order to arrange a meeting to investigate the objectives of the administration concerning this matter. At this meeting it was decided that field trips should encompass grades kindergarten through twelve in a two part program. Of primary concern was

¹ The Faculty Bulletin, Vol. 1, No. 3 Chicopee Public Schools, Chicopee, Mass. (February 8, 1967), p.2

the elementary school, consisting of grades kindergarten through eighth. This was to be part one of the program. Part two was to include the high schools, grades nine through twelve, once the elementary program was in full operation. It was also decided at this meeting that a group of teachers representing all elementary schools and various grade levels should participate on such a committee. Miss Rita Rodden, principal of the Valentine School in Chicopee and author of an earlier field trip survey,² was appointed by the Assistant Superintendent of Schools to act as Administrative Assistant.

The notice found on page twenty-four of this paper was sent to the principals of all the elementary schools in Chicopee and was circulated among the faculty in each building. After its distribution for three weeks a total of sixteen teachers volunteered to serve on the committee. Of the seventeen elementary schools in the city, six of the buildings were represented. These were Bowie, Fairview Elementary, Kirby, Lambert-Lavoie, Selser, and Valentine. The number of teachers from each grade level was as follows: Grade one, five; Grade two, two; Grade three, one; Grade four, one; Grade five, one; Grade six, one; Grade seven, two; and Grade eight, three.

² Rita Rodden, A Survey of Local Community Resources Available to the Pupils of the Chicopee School System, Unpublished Masters Thesis, College of Our Lady of Elms, 1958.

ADMINISTRATIVE NOTICE ON FORMATION OF FIELD TRIP COMMITTEE

To Principals and Teachers:

A committee will be formed to evaluate the Field Trip Program in the Chicopee Public Schools.

In order to have a successful program we are seeking a committee comprised of representatives from all elementary schools and at various grade levels.

The duties of the participants will be to establish criteria for selecting suitable field trips; determine the duties of teachers in planning, taking and culminating field trip activities and to develop a community resource guide classified under general community topics and grade levels.

If you are interested in contributing to this undertaking, please notify your principal who in turn should contact John Dumont at Kirby School no later than Monday, February 20, 1967

(Chairman)

Assistant Superintendent

COURSE OF STUDY IN ELEMENTARY SCIENCE

At the initial meeting of the Field Trip Committee it was agreed upon by all present that in order to formulate a list of possible field trips correlated with the science curriculum, it would first be necessary to establish the basic teaching concepts for each grade level. The committee therefore consulted the Course of Study in Elementary Science published by the Science Committee of the City of Chicopee in 1966.³ A complete list of basic teaching concepts for grades one through eight can be found in Appendix A of this paper.

Each teacher on the Field Trip Committee was held responsible for the objectives at his grade level. When there were more than one teacher for each grade, the work was shared.

As an example of program arrangement, the objectives of the science curriculum for grade one follows with a list of possible field trips from teachers' personal experience.

OBJECTIVES FOR SCIENCE CURRICULUM IN GRADE ONE

ANIMALS

1. Where do animals live?
2. How do animals live?
3. How do animals move about?
4. For what purpose does man use animals?
5. How are animals affected by seasonal changes?
6. When are most baby animals born?

³ Science Curriculum Report for Grades I-VIII. City of Chicopee Public Schools, Chicopee, Mass., (June 1, 1966).

Field Trips: Cole's Poultry Farm
Forest Park Zoo
Glendale Turkey Farm

PLANTS

1. Where do plants live?
2. How do plants grow?
3. What are the parts of a plant?
4. What do plants need to grow?
5. In what ways are plants valuable to man?

Field Trips: Dunlop Florists
Birch "N" Bend Gardens
Adam's Nursery
Continental Baking Co.
Dreikorn's Bakery

ENERGY AND FORCES

AIR

1. Of what use is air?
2. How do we know there is air around us?
3. What is wind and what does it do?
4. Can air be put in some things?
5. Can fire burn without air?

Field Trips: Chicopee Fire Department

WHAT MAKES THINGS GO

1. How do animals help to do work?
2. What parts of our body help men to work?
3. In what ways do people move objects?
4. How does the wind move objects?
5. How do machines make work easier?
6. How have they changes man's way of living?

Field Trips: University of Massachusetts, College of
Agriculture

EXPLORING OUR EARTH AND SKY

LIVING ON THE EARTH

1. Where do we live?
2. Of what is the earth made?
3. Are rocks alike?
4. What are the different land forms?
5. What are the different water forms?

Field Trips: Springfield Science Museum
Nash Quarry and Dinosaur Land

THE SKY

1. What different objects do we see in the sky?
2. What is the sun like and what does it do for us?
3. Does light come to us from the moon and the stars?
4. When do you see your shadow?
5. What colors do you see in the daytime?
6. What color is the sky at night?
7. What makes the colors?
8. When do you see rainbows?
9. What can you see in the sky on clear nights?

Field Trips: Springfield Museum's Planetarium
Amherst College's Planetarium

WEATHER

1. What are the different kinds of weather?
2. How do we know the seasons?
3. How does man adjust his clothing and activities?
4. What happens to water with changes in temperature?
5. What is used to measure heat and cold in the air?

Field Trips: Weather Station, Westover Air Force Base
Weather Station, Bradley International

DISCOVERING OUR PLACE IN THE WORLD

WE ARE GROWING

1. Why does a person need a strong framework?
2. How can we have strong frameworks for our bodies?
3. How does good food help us grow properly?

Field Trips: Chicopee Health Department
Gosselin's Dairy
H. P. Hood & Sons

SOURCES OF FIELD TRIP INFORMATION

With the science curriculum and its objectives established, the next step was to acquire a list of possible field trips that could be taken. The committee decided that these locations should not exceed a twenty-five mile radius of the city of Chicopee since it was the recommendation of the School Committee that these boundaries be established. Also this area gives a good representation of both interesting and educational places to visit. A trip beyond this limited area would cause an increase in bus fare which would limit the taking of a large number of trips.

Principals and supervisors in our school system were invited to speak to the committee on places they felt could contribute to the educational goals of the program. All were informed that the science curriculum would be the basis for field trip selection.

Next, various Chambers of Commerce in the twenty-five mile radius of Chicopee were contacted and asked to send a list of possible field trip locations in their communities.

Finally teachers in the school system relayed possible field trip locations to members of the committee for further investigation.

After all possible locations from all sources had been collected, it was the job of the committee to select those which they felt best served the city's needs. For example, if a large number of florists was mentioned on the formulated

list, the committee felt that those located in the City of Chicopee could serve the same purposes as those ten or twelve miles away. The final list of organizations were chosen to receive a questionnaire in order to gain further details concerning a proposed field trip. These organizations can be found in Appendix C.

FORMULATION OF THE SURVEY QUESTIONNAIRE

It was agreed by all committee members that the best way to obtain results would be to interview personally each organization listed in Appendix C. However, because of the distance and area involved, the time element and the total number of possible field trip locations, it was felt a survey questionnaire would have to suffice.

According to Mouly⁴ the major advantage of the questionnaire is that it permits wide coverage for a minimum expense both in money and effort. It affords not only wider geographic coverage than any other technique but it also reaches persons who are difficult to contact. This greater coverage makes for greater validity in the results through promoting the selection of a larger and more representative sample.

On the other hand, the questionnaire does not permit the investigator to note the apparent reluctance or evasiveness of this respondent, a matter which is better handled through the interview, nor does it permit the investigator to follow through misunderstandings or evasive answers. Questionnaire studies are generally plagued by relatively high percentage of non-returns. Many studies in the literature report returns as low as 20 to 40 percent.

⁴ George I. Mouly, The Science of Educational Research. (New York: American Book Co., 1963), pp. 240, 255.

The next problem of the committee was to formulate a questionnaire to send to the organizations involved in the study. According to Moffatt⁵ the following data on such a questionnaire would prove helpful to teachers seeking information about places of interest to be visited:

(1) name of place, (2) location, (3) telephone number, (4) name of person to be contacted, (5) preferred time for visit, (6) resources or materials to be viewed, (7) size of group acceptable, (8) special regulations and precautions to observe during visit, (9) length of time required to complete the visit and (10) expenses, if any..

Many of the questions on the questionnaire were similar to those recommended by Moffatt. Presently the school system is undergoing a change to the four-four-four plan of organization otherwise known as the Middle School concept. In this concept grades kindergarten through grade four would be housed in one school, grades five through eight in another and grades nine through twelve in still another. In order to facilitate planning in this general direction, the questionnaire asked organizations what grade levels would profit most by a visit to them.

_____ Primary K-4 _____ Middle 5-8 _____ Secondary 9-12.

Most businesses have certain seasons of the year when they can best accommodate visitors. It was for this reason that they were not only asked to include the best season but also the day of the week and the hours which they felt would be most suitable.

⁵ Maurice Moffatt, Social Studies Instruction (New Jersey: Prentice-Hall, Inc. 1956), p. 471.

The remaining information sought on the questionnaire concerned the taking of pictures, any special instructions for visitors, a preview tour by the teacher, materials for distribution or borrowing and a brief statement on what was to be shown to students taking the tour. All of these items were aimed at aiding the classroom teacher to prepare students for the tour. The field trip questionnaire entitled Area Educational Resources Survey can be found on page thirty-two of this paper.

Mouly says that a cover letter or other means of contacting potential respondents is of critical importance to the success of the study.⁶ A cover letter was attached to the questionnaire and it explained to the organizations participating, how the City of Chicopee Public Schools were evaluating its field trip program. It asked their cooperation in completing the information requested. The letter was signed by the Superintendent of Schools, Assistant Superintendent of Schools and the Chairman of the Field Trip Committee. A copy of this letter can be found on page thirty-three of this report.

In order to improve the percentage of returns on the questionnaires, the author included a self-addressed stamped envelope.

⁶ Mouly, op. cit., p. 258.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization _____

Address _____
(Street) (City) (Zip)

Nature of Organization _____

Name and title of person to be contacted for tour arrangements:

Name _____ Title _____ Tel. _____

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? _____ What days are most suitable? _____

What hours? _____ How much time is needed for the tour? _____

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? _____

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

Chicopee, Mass. 01013

April 10, 1967

Dear Sir:

The Chicopee Public Schools is presently in the process of evaluating its field trip program.

Today's school curriculum is primarily designed to provide the child with many kinds of experiences through which a student may learn actively. We in Chicopee, therefore, wish to organize our elementary program in such a way as to take the greatest possible advantage of our community resources in providing children with direct and observational experiences. The most effective technique of accomplishing our goals is by allowing students to visit places of business and community services. This procedure is commonly termed a field trip.

It is for this reason that we ask your cooperation in completing the following survey form and returning it in the self-addressed envelope enclosed. Any constructive ideas on this topic would be gratefully appreciated.

Thank you very much for your time and consideration.

George E. Membrino
(Supt. of Schools)

Sophie J. Chmura
(Assistant Supt. of Schools)

John H. Dumont
(Chairman of Field Trip Committee)

RESULTS AND TABULATION OF QUESTIONNAIRES

A total of one hundred and twenty-five questionnaires were mailed to the selected organizations within a twenty-five mile radius of the City of Chicopee. Two or 1.6% were returned by the United States Post Office with a notation that the addresses were unknown. The two organizations involved with the postal return were Loudville Lead Mine and Atwater Quarry.

Ninety-three businesses or 74.4% returned the form with some type of response, either yes or no. While thirty or 24% neglected to reply in any manner.

Of the ninety-three questionnaires returned, thirty-four or 36.6% decided it would not be possible for them to conduct tours at the present time. Various reasons were given for their decisions. For example Rivers Ice Cream Co., Sealtest Milk & Ice Cream and Crucible Steel Co. felt that their facilities were unsuitable for such a field trip since no manufacturing of goods takes place there. These are just storage areas for the distribution of their products.

Some businesses thought it was just too dangerous with the crowded machinery and the hazardous solvents and chemicals used in production. Those replying in this manner were Savage Arms Corp., Rex Chain Belt, Plastic Coating Co., Pro-Phy-Lactic Brush Co., Eastern Etching & Manufacturing, Hampden Brass, Mercury Plastics, and Moore Dropforge.

Kollmorgan Corp. replied that due to construction and government contracts, which stipulate that any tours of the plant must first be cleared through the Department of Defense, they could not reply favorably to the questionnaire.

Fifty-nine of the ninety-three questionnaires returned or 63.4% carried yes answers. Of those replying in the affirmative, only Daniel O'Connell & Sons Lumberyard Inc. and the H. B. Smith Co. stated that they would only accept boys for a tour through their plant. American Pad and Paper Co. wanted only students who were either in the eleventh or twelfth grades.

The following information is a tabulation of questions answered by organizations on the questionnaires. In some cases businesses did not reply to each question, therefore the tabulation of the numbers will not be the same.

What special time, if any, of the year would the tour be most convenient?

19 Spring 7 Fall 4 Winter 28 Anytime

What days are most suitable?

33 Weekdays 24 Special Combination of Days

What hours?

17 Mornings 9 Afternoons 30 Mornings or Afternoons

Are cameras allowed?

49 yes 10 no

Is first-aid service available to visitors?

35 yes 20 no

May the teacher make a brief preview tour?

49 yes 5 no

TABULATION OF QUESTIONNAIRES

<u>Nature of Questionnaires</u>	<u>Number</u>	<u>Percentage</u>
Returned with a yes answer	59	63.4%
Returned with a no answer	34	36.6%
Total Returned	93	74.4%
Returned by U. S. Post Office	2	1.6%
Not Returned	30	24.0%
Total Accounted For	125	100.0%

CHAPTER IV

FIELD TRIP PROCEDURES

CHAPTER IV

Once the field trip locations had been established it was the job of the committee to deal with administrative aspects of the program.

Early in the 1966-67 school year the Chicopee School Committee prepared and released a directive which was entitled "Guidelines For Field Trips." The Field Trip Committee decided to abide by the School Committee's recommendations concerning field trip procedure. These guidelines were as follows:

GUIDELINES FOR FIELD TRIPS

1. Permission to conduct the field trip must be received from the principal of the building after justification of its needs, purpose and correlation.
2. Arrangements for transportation must be made two weeks in advance with the Supervisor of Transportation.
3. All trips must be within a radius of twenty-five miles.
4. So that a parent may know where his child is, every pupil going on a field trip must present to the teacher a written permission slip signed by his parent or guardian. These slips must be filed by the teacher before the start of the trip. The parents should also be acquainted with the reasons for the trip, its potential contribution to an educational opportunity for their child.
5. It is recommended that adult helpers be used. The number of such persons may vary but one parent for every 8 or 10 pupils seems to be satisfactory.
6. No field trips should be scheduled during the months of September and June.
7. The number of field trips to be taken each year is left to the discretion of the teacher. However, it is much better to have a few well-planned trips than to take a

large number of trips without clear purposes in mind. Remember that each trip must always justify itself in terms of educational gains. However, it is hoped that each class will participate in at least one field trip per year.

8. Requests for field trips outside of the state paid by pupils must be submitted in great detail at least a month in advance.
9. When taking a field trip, always remember that your class represents our entire school system. Let's continue our field trips in this manner and continue to bring credit to our fine school system.

As was mentioned before, an established procedure for the conducting of field trips was essential if the program was to be successful. Therefore, the committee instituted the following eleven steps to be followed when requesting a field trip.

FIELD TRIP PROCEDURE

1. Teacher notifies principal of his or her intentions of taking a field trip
2. Teacher fills out Field Trip Form and returns it to principal's office as soon as possible so arrangements can be completed.
3. Principal calls school office and obtains permission from Assistant Superintendent of Schools.
4. Principal calls teacher and notifies him or her, if permission has been granted.
5. Teacher should select adults to accompany pupils and obtain permission slips from parents.
6. Principal sends written notification of existing Field Trip to the Audio-Visual Department and to the Business Manager in the main Administration Office. The following information should be sent to each department: name of school, teacher, place to be visited, number of pupils attending, date of Field Trip, time of departure from school and time of departure from destination.

FIELD TRIP FORM
CHICOPEE PUBLIC SCHOOLS

Field Trip Destination _____

Address _____

Date of Proposed Trip _____

Number of Pupils Attending _____

Time of Departure From School _____

Time of Arrival At Destination _____

Time of Departure For School _____

Names of Adults who will accompany pupils:

PROCEDURES BELOW SHOULD BE CARRIED OUT IN ORDER GIVEN:

1. Obtain Principal's Approval.
2. Complete Field Trip Form.
3. Select Adults to Accompany Children.
4. Obtain Letters of Permission.
5. Return this Form to the Principal.
6. After the Trip fill out Teacher Evaluation Form in Duplicate.

Teacher _____ School _____ Date _____

Grade _____ Subject Area to which trip relates _____

This trip is Approved by _____
(Principal)

TEACHER EVALUATION FORM

Name of resource _____

Address _____
(City) (State) (Zip)

In your opinion is this business or organization worth visiting?

(Check One)

By Everyone _____ By Middle _____

By Primary _____ By Secondary _____

Comments _____

How much explanation is necessary for making this study trip profitable? (Check One)

Little Needed _____ Some _____ Much _____

Comments _____

What is the manager's attitude toward visits by school groups?

Eager _____ Willing _____ Unresponsive _____

Comments _____

Are the premises such that controlling a group of students presents a problem?

No Problems _____ Few _____ Many _____

Comments _____

In your opinion are there ways of achieving similar results which might be as satisfactory as taking this particular field trip?

Comment _____

Name of Teacher _____

School _____ Grade _____

Date _____

7. The Audio-Visual Department will contact the Field Trip destination and make the necessary arrangements.
8. The Business Manager in the main Administration Office will contact the bus company and make the transportation arrangements.
9. Field trip is taken.
10. Upon return, teacher fills out Teacher Evaluation Form in duplicate and returns it to the principal.
11. Principal staples one copy of Evaluation Form to the Field Trip Form and gives it to the Audio-Visual Coordinator in the building who will deliver it to the Audio-Visual Department. The other Evaluation Form is delivered to the Chairman of the Field Trip Committee for future reference.

TEACHER LIABILITY

One question which always seems to arise when field trips are discussed is teacher liability. According to Brown,¹ the liability of teachers or other representatives of school boards usually is recognized only when negligence is proved. Authorized, supervised field trips are generally regarded as being comparable to schoolground or classroom activities. The teacher, of course, must exercise the same reasonable care he is expected to exercise in the classroom.

Although this rule is usually true, the school board of a city should take a stand and either support or condemn field trip activity in a community. If they decide to act in the affirmative, they should then establish policies governing field trips. Wittich² feels that school boards should ac-

¹ James Brown and others, A-V Instruction: Materials and Methods (New York: McGrawOhill Book Co. Inc., 1964, p. 397.

² Walter Wittich and others, Audio-Visual Materials: Their Nature and Use. 4th ed. (New York: Harper-Row Co., 1967), p. 241.

knowledge community study as a desirable enriching experience and as an integral part of the school's regular program and the principals should make the board's policy known to the teachers.

In Chicopee both of these requirements have been satisfied. The school committee has a policy concerning field trips which can be found on pages thirty-eight and thirty-nine of this paper. And secondly these guidelines have been distributed to every teacher in the elementary school, through the Field Trip Catalog.

Another aspect of this question of liability is the parental permission form. Erickson³ says that parental permission slips should be obtained as a means of good school-home relations. Of course with the realization that they are of little value in court.

As part of the field trip procedure, the City of Chicopee Public Schools requires every pupil going on a field trip to present to the teacher a written permission slip signed by his parent or guardian. The slip must be filed by the teacher before the start of the trip.

In order to aid teachers in the clerical tasks connected with field trips, the field trip committee devised a standard parental permission form which may be used in most cases. It contains the following pertinent information: (1) school and teacher arranging trip, (2) student's or parent's name, (3)

³ Carlton Erickson, Fundamentals of Teaching With Audio-Visual Technology (New York: MacMillin Co., 1965), p. 233.

PARENTAL PERMISSION FORMS

1. School and teacher arranging trip.
 2. Student's or parent's name.
 3. Method of transportation.
 4. Purpose of trip.
 5. How much money is needed. (if any)
 6. When and where you are going.
 7. Dress.
 8. A place for indicating permission and signature.
A telephone call is not sufficient.
-

SAMPLE PARENTAL PERMISSION FORM

(School and Date)

Dear _____ (Parent's Name)

Our _____ (Level) _____ grade children are planning
an educational study trip to _____ (Place)
on _____ (Date) _____ at _____ (Time) _____, by school bus for
the purpose of _____
_____ (Purpose)

My child (Does or Does Not) have my permission
to accompany the group.

Very truly yours,

(Signature of Parent)

(Signature of Teacher)

method of transportation, (4) purpose of trip, (5) how much money is needed (if any), (6) when and where you are going, (7) dress, if applicable, and (8) a place for indicating permission and signature.

CRITERIA FOR SELECTING FIELD TRIPS

Before any teacher decides to take a group of youngsters on a field trip, he should evaluate the teaching-learning situation and the purposes he is trying to achieve.

The objectives for engaging in such activities should be based upon sound educational practices. Planned field trips should fit naturally into the work students are doing in the classroom. Craig⁴ maintains that educational field trips and other instruction need to be integrated with authentic material designed for children. While Weaver⁵ goes one step further and states that the field trip should be related to classroom projects and not used as an isolated field trip or as a reward.

In choosing a location to visit, one must be particularly careful in selecting one which will give generally truthful pictures of the entire process and facts. It should facilitate opportunities for personal experience which is real and highly educative rather than distort the true operational methods and procedures.

⁴ Gerald S. Craig, Science for the Elementary School Teacher. (Boston: Ginn and Co., 1958), p. 137.

⁵ Betty W. Weaver, "Field Trips If.....," The Instructor LXXV (June, 1966), p. 130.

Time considerations are unfortunately of paramount importance. Because of scheduling problems and resource personnel, field trips can disrupt the school program. Arrangements should be made far enough in advance to allow administrators to plan appropriate arrangements. In the future Craig⁶ hopes school programs will be made flexible enough to permit the children to spend considerable periods outside the classroom.

The value of such a field trip should justify the taking of considerable class and teacher time. Many times it arouses in a student, interests in new areas of thought and activity while showing that their education does mean something.

Excursions should provide important observational experiences which are obtainable through no other means. They may verify previous information or enrich previously taught concepts.

Field trips can also influence the community in developing sentiment favorable to environmental studies. In this way community relations can be important.

PLANNING A FIELD TRIP

Before making a field trip to an industry, institution or other place to be studied, the teacher should prepare himself and his class.⁷ This should be an effort in which

6 Craig, op. cit., p. 136.

7 Ralph Preston, Teaching Social Studies in the Elementary School, (New York: Rinehart and Co., Inc., 1950), p. 122.

both the teacher and the class assume an equal share. The tasks can be divided into those performed solely by the teacher and those performed as a joint effort.

The teacher must first arrange all administrative duties connected with the trip. Also he must receive permission from the principal and Assistant Superintendent that the field trip may be taken. Once this is accomplished, the trip details involving date, time and method of transportation can be worked out.

A preview trip by the teacher is advisable in order to locate interfering factors, further trip planning, and discuss itinerary with the guide. Furthermore it helps in preparing the students in what is to be seen.

Written parental permission slips must be collected from pupils before leaving on the trip. These will be kept on file until group has returned.

Adults who accompany the group should be chosen by the teacher. It is wise to advise the adult helpers of desired objectives, student observations, behavior standards, and emergency procedure.

The remainder of the planning should be a joint teacher-student effort. The teacher should first of all inform the class of the purpose of such a trip so that maximum profit can be gained from such an educational endeavor. The purpose should then be written down in order to be kept in mind while the group formulates questions to be answered by the guide. It is also at this time that the teacher should have students

note any important aspects of the trip which he feels they should pay particular attention to.

Specific committees can be organized to obtain answers to questions in certain special areas of interest, to work out behavior standards and to work out appropriate "thank you's."

All students should be prepared to take notes. A few may take cameras or a sketch pad for a visual record.

TAKING THE FIELD TRIP

After all preliminary arrangements have been completed the teacher and his students must wait for the day of the trip.

Early that morning the teacher should check the attendance of the class and pair youngsters for the trip. Inform the pupils that they are to notify the teacher or adult helpers immediately if anyone is absent. Before leaving the school all youngsters should have a chance to visit the rest rooms.

Certain rules must be followed by students if the trip is to be a success. Upon boarding the bus or other means of transportation, all pupils must remain seated. If any mischievous or amorous demonstrations should occur with students, from the seventh or eighth grades, immediate rearrangement of seating is necessary.

Upon arriving at the destination, the teacher should recheck the attendance and then introduce the guide. In order to maintain a moderate pace to the trip, slow moving

pupils should be placed at the head of the line while two reliable monitors and a parent prevent straggling at the end.

Teachers should make a special effort to ensure: that the trip keeps to the time schedule, that students have the opportunity to obtain answers to questions as time permits, that the guide holds fairly close to the itinerary agreed upon and that students attention is focused on important aspects of the trip.⁸

Before leaving the field trip location, the teacher should gather the students together and check the roll again.

FOLLOW-UP ACTIVITIES

Just as planning was a joint teacher-student effort, follow-up activities should be the same.

The teacher's first job, upon returning, should be to evaluate the field trip in terms of the overall trip objectives. This is accomplished by the Teacher Evaluation Form which aids teachers in this area. Secondly he must evaluate personal objectives and interests developed by students in the class.

The Teacher Evaluation Form covers such areas as: the worthiness of visiting this particular organization and a recommendation to other classes, the amount of pre-planning necessary to make the trip profitable, the manager's or guide's attitude toward school visits, and any problems of controlling

⁸ James Brown and others, A-V Instruction: Materials and Methods (New York: McGraw-Hill Book Co., Inc., 1964), p. 400.

students on the premises. This form is later to be sent to the Field Trip Committee for future evaluation of the program.

In terms of evaluating individual class objectives, the teacher should try to answer the following questions:

1. Did the class get the answers to the questions prepared? Did the trip fulfill its purpose? Could the trip provide other objectives?
2. Could the same benefits be achieved by other means? Was it worth the time, effort?
3. Were new interest developed?
4. Was there sufficient time?
5. What things did the class like best?
6. What things did the class like least? ⁹

The remainder of the follow-up activities are conducted by the students with the assistance of the teacher. Oral presentations along with class discussions are conducted in order to explain special interests, to answer questions and to discuss topics assigned to the students.

Written reports are commonly used to see what students have learned from such a trip. They may also be employed as a letter writing project in English.

Many times construction projects such as murals, models and exhibits may arise from such a trip. Some students may wish to find more information about a topic and consult a reference book at the local library.

Finally, a visual record produced by colored slides or photographs and sketches may lead to an audio-visual presentation by students.

⁹ Brown, op. cit., p. 401

CHAPTER V

EVALUATION OF THE PROGRAM

CHAPTER V

EVALUATION OF THE PROGRAM

ACCEPTANCE BY ADMINISTRATIVE COUNCIL

In November of 1967 the Chairman of the Field Trip Committee was asked to appear before the Administrative Council of the Chicopee Public Schools. It was at this meeting that the report of the Field Trip Committee and the reference catalog would be either accepted or rejected.

The Chairman of the Field Trip Committee presented the entire program in detail to the Council explaining administrative procedure, results of the questionnaires and recommendations for its implementation. After a short question and answer period which followed, a vote was taken for the acceptance of the report and its implementation commencing in January of 1968. The vote was unanimous, with all seven members of the Council voting in the affirmative.

ALLOCATION OF FIELD TRIP FUNDS.

It was also at this meeting, that the Superintendent of Schools asked the Business Manager for the Chicopee Public Schools, to set aside the sum of \$9000 to accommodate field trips in the 1967-68 academic year. This appropriation was later passed by the City of Chicopee School Committee, at one of its monthly meetings. An important point to note is the fact that this allocation included all schools in Chicopee, both elementary and high schools.

ALLOCATION OF FIELD TRIP FUNDS 1967-1968

<u>NAME OF SCHOOL</u>	<u>STUDENT ENROLLMENT a</u>	<u>% OF ENROLLMENT PER BUILDING</u>	<u>AMOUNT OF ALLOCATIONS</u>
Alvord	257	2.02%	\$181.80
Barry	806	6.34%	\$570.60
Belcher	621	4.88%	\$439.20
Bowe	552	4.34%	\$390.60
Bowie	909	7.14%	\$642.60
Chapin	476	3.74%	\$336.60
Chicopee St.	63	.50%	\$ 45.00
Fairview Elementary	649	5.10%	\$459.00
Fairview Memorial	612	4.81%	\$432.90
Kirby	900	7.07%	\$636.30
Lambert-Lavoie	621	4.88%	\$439.20
Selser	720	5.66%	\$509.40
Smith Highlands	41	.32%	\$ 28.80
Streiber Memorial	727	5.72%	\$514.80
Szetela	321	2.52%	\$226.80
Taylor	387	3.04%	\$273.60
Valentine	410	3.22%	\$289.80

NAME OF SCHOOL	STUDENT ENROLLMENT ^a	% OF ENROLLMENT PER BUILDING	AMOUNT OF ALLOCATIONS
Willimansett	55	.43%	\$ 38.70
Chicopee High School	1585	12.46%	\$1121.40
Comprehensive High School	2011	15.81%	\$1422.90
TOTALS	<u>12723</u>	<u>100.00%</u>	<u>\$9000.00</u>

^a Basil Castaldi, An Educational Master Plan for Chicopee, Massachusetts.
 (Chicopee, Mass.: Dept. of Audio-Visual Education, 1966), p. 65.

The field Trip Committee Chairman realized that the allocation of funds for each of the public schools in Chicopee could not be the same since enrollment figures differed in each case. The smallest enrollment of 41 was in the Smith-Highlands School which accounted for only .32% of the total enrollment in the Chicopee Public Schools while Chicopee Comprehensive High School had 2011 pupils and represented 15.81% of the total enrollment.

A meeting between the Business Manager and the Chairman of the Field Trip Committee worked out the solution to the problem. Each school would receive an amount of funds based upon the percentage of students which were housed in it. In this way buildings with large enrollments would receive more field trip funds. Once a school had used up all of its allocations, it would have to wait for another year's funds. In this way all schools were given an equal opportunity to conduct field trips. After all funds were divided, it was found that the City of Chicopee Public Schools had allowed .707¢ per pupil for the 1967-1968 field trip program. The chart on the following page shows the field trip allocations for all schools in Chicopee.

FUTURE EVALUATION OF FIELD TRIPS

The author of this paper fully realized that future evaluation of the entire Field Trip Program, as well as individual organizations visited, would be necessary if the program was to be kept up to date.

It was for this reason that one copy of the Teacher Evaluation Form was to be sent to the Chairman of the Field Trip Committee. Here, the collected forms would be examined by the entire committee and it would be decided if an organization should be added or deleted from the field trip list on the recommendations of faculty members.

Up to writing of this report no additions or deletions have been made to the catalog. It is hoped, however, that the field trip committee will meet during the 1968-1969 school year to make recommendations as to how the entire program can be improved.

APPENDICES

APPENDICES

Appendix A - Science Curriculum
in Grades I - VIII

Appendix B - An Alphabetical Guide of Field Trips
Related to the Course of Study in
Science in the Elementary Schools
of Chicopee, Massachusetts

Appendix C - Field Trip Information

Appendix D - Individual Results of Field
Trip Survey Questionnaires

APPENDIX A

SCIENCE CURRICULUM IN GRADES I - VIII

APPENDIX A

SCIENCE CURRICULUM IN GRADES I-VIII

On June 1, 1966 the science committee for the City of Chicopee Public Schools published its report and guide. This committee was composed of administrators and classroom teachers representing grades I through VIII. Their basic aim was to explore the content, methods, and equipment now in use in the science curriculum so that constructive recommendations could be made to enhance the program in all grades. Most members of the committee felt that science involved questioning, exploring, experimenting, measuring, observing, etc. and children must have the opportunities to use equipment, to plan experiments and to use supplementary materials effectively.

Basic working concepts for each grade level were grouped about the scientific ideas of: (1) Study the Living Things About Us, (2) Investigating Energy and Forces, (3) Exploring Our Earth and Sky and (4) Discovering Our Place in the World. The guide also listed broad science concepts under four content areas: plants and animals, energy, earth study, and health safety and conservation.

Content Area I - Studying the Living Things About Us.

Animals

- Grade I Where do animals live?
 How do animals live?
 How do animals move about?
 For what purposes does man use animals?
 How are animals affected by seasonal changes?
 When are most baby animals born?
- Grade II Where do animals live during the winter months?
 How do they survive?
 How do they keep warm?
 What do animals get from trees, especially in the
 winter?
 What animals eat insects?
 What animals need care and shelter?
 What animals find their own food?
- Grade III Where do animals live?
 How do animals get food?
 How do animals escape from their enemies?
 How are animals different?
 How are animals affected by seasonal changes?
 For what purposes does man use animals?
 What animals are found in hot lands? in cold
 lands? in wet lands?
- Grade IV What animals and insects do we know about in this
 locality?
 Of what use are they to man?
 What makes them move?
 Why do they live where they do?
 What can we do to protect them?
 What can we do to protect ourselves from them?
 Life cycle of bees, ants, etc.
 How do animals reproduce?
 How can we prevent diseases caused by some insects?
 Why do animals undergo changes?
 How do birds stay in the air?
- Grade V Why do some animals and insects live and work
 together?
 What kinds of animals live by themselves?
 How do animals and insects help man?
 How do animals and insects harm other living things?
 How do animals and insects protect themselves?
 How does man improve animals?

- Grade VI What are some of the habits of birds?
What are some differences among birds?
What is the structure of birds?
How do birds care for their young?
How do fish get their food?
How do fish swim?
How are fish and birds important to man?
- Grade VII What types of animals are found in the various
 sections of the world?
What are the names given in classifying animals?
What factors in environment play important roles
 in the life of animals?
In what ways do animals benefit man?
How are animals produced?
- Grade VIII What is an animal?
What are the largest animals living today?
How do the parts of animals differ?
Are animals classified in groups?
How do animals move about?
Is there a relationship between length of life
 and size of animals?
How are animals affected by seasonal changes?
For what purpose does man use animals?

Plants

- Grade I Where do plants live?
How do plants grow?
What are the parts of a plant?
What do plants need to grow?
In what ways are plants valuable to man?
- Grade II How do plants grow?
What do plants need?
Do animals need plants?
When do most plants grow?
- Grade III How do plants get food?
How do plant grow?
What do plants need in order to grow and live?
How do plants store food?
In what ways are plants a valuable thing to man?
What are the parts of a plant?
How are plants affected by seasonal changes?
Where do new plants grow?
- Grade IV Why are plants necessary?
How do plants grow?
What do plants need?
How long do plants live?
Where do plants grow?

What are the parts of a plant?
How are the plants reproduced?
Why are plants of different colors?
Why do plants have different odors?
What are weeds?

Grade V Where are green plants found?
 What do green plants need to survive?
 How do green plants help each other?
 What are some of the ways green plants harm other
 living things?
 How are green plants protected?
 How are pollen and seeds carried?
 What purpose does the male flower serve? the
 female flower?

Grade VI How do plants make food?
 How do trees grow?
 In what ways are trees valuable to man?
 How do non-green plants get food?
 How are non-green plants helpful and harmful to man?
 Why are green plants so important to man?

Grade VII What are the different varieties of plants found?
 What environmental factors play important roles
 in the lives of plants?
 What important facts in plant life benefit man?
 What are the basic structures of most plants?
 How do plants reproduce?

Grade VIII Are there as many plants as animals?
 How do the parts of plants differ?
 What uses does man have, to be grown from seeds?
 Do plants have to be grown from seeds?
 How has man controlled plant diseases?
 What are considered weeds and how can we control
 them?
 How does plant life continue?
 How are animals like plants?
 How do raw materials come into the leaves of a
 plant?
 Are animals important to plants?

Content Area II - Investigating Energy and Forces

Grade I

Air

Of what use is air?
How do we know there is air around us?
What is wind and what does it do?
Can air be put in some things?
Can fire burn without air?

Electricity

What are magnets?
What will magnets do?
How can we make magnets?
How can magnets be useful?

Buoyancy

What makes things float?

What Makes Things Go

How do animals help to do work?
What parts of our body help man to work?
In what ways do people move objects?
How does the wind move objects?
How do machines make work easier?
How have they changed man's way of living?

Grade II

Friction

Find out the ideas of your children about rubbing smooth and rough objects.
Discuss the problem of moving a box of heavy books.
How can this box be moved easily across the room?
What holds the box?
How do rollers help move the box?
How do brakes stop things?
Ask children to observe wear caused by friction on articles of clothing, toys mechanical objects, school equipment.
How do we know that friction makes heat?

Light

From what sources do we get light?
Do most things around us reflect light?
Are light rays sometimes bent in passing from one substance to another?

The Pull of the Earth

What is the shape of the earth?
How big is the earth?
How do things fall?
How do we use the pull of the earth?

Iron Rusts

- What does rust look like?
- How long does it take for rust to appear?
- What is the color of rust?
- What rust prevention measures can be used on things made of iron?

Electricity and Magnetism

- How does man use electricity?
- What does electricity furnish man with?
- What does electricity go through?
- Where does electricity come from?

Wind

- What is wind?
- What does it do?
- How does wind help man?
- How does wind harm man?

Grade III

Air

- Where do we find air?
- Of what use is air?
- What is air made of?
- Does air make things float?
- Does water have anything to do with air?
- What is wind and what does it do?

Magnets

- What are magnets?
- What will magnets do?
- How can we make magnets?
- How can magnets be useful?
- What does a compass do?

Hearing Sounds

- How do people and animals hear sounds?
- How does sound travel?
- What is an echo?

What Makes Things Go

- In what ways do people move objects?
- How do machines make work easier?
- How do machines change man's way of living?
- What simple machines are found in big machines?

Grade IV

Air

- Of what use is air to mankind?
- What is air?
- What are some properties of air?
- What has air to do with sound?
- What is an echo?

How do plants use air?
Why do we sit under trees to keep cool?
Why is it warmer near the ceiling of homes,
schools etc.?
Can sound travel through liquids and solids as
well as gasses?
What is compressed air?
What changes take place when you are riding
upward on a mountain?

Friction

What is friction?
What was man's first power to move?
What has nature provided for moving things?
What helpers have been discovered or invented
which move things?

Buoyancy

What is buoyancy?
What are buoys?
Of what use are they to sailors, etc.?
How can fishermen, swimmers know or make use of
buoys?
Why do ships float?
What keeps airplanes in the air?
What are floating sea plants?
What is the difference between floating and
flying?
How much can float?

Magnets

What is meant by magnetism?
What is lightning?
What happens when things with unlike charges
are brought near each other?
What are lightning rods?
What causes lightning?
What should you do during a thunderstorm?
What are good conductors?
What are non conductors?
What is meant by insulation?
What do we mean by grounding?
What is a compass? How does it show direction?

Grade V

Air

What is air?
Who uses air?
Where is air found?
How does air contract and expand?
What makes air pressure?
How is air pressure used?
What is compressed air?
How do we use moving air?

Electricity

- What is electricity?
- Where does electricity get its energy?
- What are the uses of electricity?
- How does magnetism differ from electricity?
- What is a basic circuit?
- How are electric switches used?
- What are conductors of electricity?

Rock and Soil

- How are rocks made?
- What is soil?
- Why are fossils important?
- How do rocks wear away?
- How is soil displaced?
- How is soil fertilized naturally?

Machines

- What is a machine
- Why is an inclined plane a machine?
- How do levers make work easier for man?
- For what purposes are pulleys used?
- Why are gears used in machines?
- What are some uses of the wheel?

Grade VI

Making Work Easier

- What methods of working can make work easier?
- What are the simple machines?
- How do the simple machines operate?
- How can friction be reduced?
- Why are machines important to man?

Flight

- What forces act upon an airplane?
- How are airplanes controlled?
- How are airplanes moved forward?
- To what uses has man put the airplane?

Sound

- How are sounds produced?
- What is pitch?
- How are vocal sounds produced?
- How are musical sounds produced?
- How do we hear sounds?

Air

- How is air heated by the sun?
- What happens to air when it is heated?
- How are clouds formed?
- Why is the behavior of air important to man?
- How does man control air indoors?

Some Common Acids (Chemistry)

- What is matter?
- What is an element, compound, and mixture?
- What are molecules and atoms?
- What are some common acids?
- How are acids helpful and harmful to man?

Electricity and Magnetism

- How are magnetism and electricity related?
- What is an electromagnet?
- How are electromagnets used in modern devices?
- How is electricity important in everyday living?
- How is electrical energy produced?

Grade VII

Air

- Where is air found?
- What are the materials that make up the air?
- Can living things do without air?
- What work does air do?
- What causes air movements?
- What are the parts of our atmosphere?
- What is airconditioning?

Electricity

- How are magnetism and electricity related?
- How is electricity used in the home?
- How is electricity used in the community?
- How is electricity produced?
- What precautions should be taken in using electricity?
- How do circuits control electricity?
- What importance to transportation is electricity?

Water

- Where is water found?
- What are the various forms of water?
- How has water been utilized by living things?
- What is the water cycle?
- What is buoyancy?
- How does water affect the weather?

Power for Doing the World's Work

- How does man lift heavier objects?
- How does man push heavier objects?
- How does man break apart objects?
- How does man transport heavier objects?

Grade VIII

Electricity and Electromagnets

- How are magnetism and electricity related?
- How is electricity generated?
- How does man use magnets in every day life?
- Is the earth we live on a magnet?
- Where does electricity come from?
- Are there good and bad ways for electric current to travel?
- How has man controlled electricity and put it to use?
- How does man measure electricity?

Power For Doing World's Work

- What is energy?
- How did early man put energy to work?
- How is modern man using the energy of the atom?
- How does the development of machines affect man's use of energy?

Mountains, Rocks and Minerals

- How are mountains formed?
- What happens when rock layers slip?
- How are rocks formed?
- What are rocks made of?

Content Area III - Exploring Our Earth and Sky

Grade I

Living on the Earth

- Where do we live?
- Of what is the earth made?
- Are rocks alike?
- What are the different land forms?
- What are the different land and water forms?

The Sky

- What different objects do we see in the sky?
- What is the sun like and what does it do for us?
- Does light come to us from the moon and the stars?
- When do you see your shadow?
- What colors do you see in the daytime?
- What color is the sky at night?
- What makes the color?
- When do you see rainbows?
- What can you see in the sky on clear nights?

Weather

- What are the different kinds of weather?
- How do we know the seasons?
- How does man adjust his clothing and activities?
- What happens to water with changes in temperature?
- What is used to measure heat and cold in the air?

Grade II

The Sun

- What does the sun give us?
- Where does the sun rise and set?
- What causes day and night?
- During what part of the day do we get the most heat from the sun? During what part of the year?
- When are the shadows made by the sun the shortest? longest?
- How can we use the length and position of shadows to tell time?

Clouds

- What are clouds made of?
- Describe the different shapes and sizes of clouds.
- What does the wind do to the clouds?

The Moon

- How big is the moon?
- What shapes have you seen?
- Have you ever seen the moon in the daytime?
- What does the moon give us?

Thermometers

- What does a thermometer do?
- How do we read a thermometer?
- How does a thermometer work?
- What makes the red line in a thermometer go up or down?
- What is the boiling point of water?
- What is the freezing point of water?
- What is the best room temperature?
- What are some different kinds of thermometers?
- How are they used?

Grade III

Living on the Earth

- Where do we live?
- What is the surface of the earth made of?
- What changes rock forms?
- What changes earth?

The Sky

- What different objects do we see in the sky?
- What is the sun like and what does it do for us?
- How is the moon like the earth?
- Does the moon have different shapes?
- Does light come from the moon and stars?
- What makes a shadow?
- What causes night and day?
- What causes a rainbow?

Weather

- How does the sun affect temperature?
- How does the wind affect temperature?
- What are the different forms of precipitation and storms?
- How does the U. S. Weather Bureau help us?
- What are some of the means used to forecast?
- What use to man is weather forecasting?

Grade IV

Earth

- What is earth?
- What causes seasons?
- What causes day and night?
- Why do we feel the movement of the earth to no degree?
- What effect does tilting have on the climate?
- What causes difference in length of day and night?
- What composes earth?
- What are the land forms?
- What are the water forms?
- What are stones and minerals?
- Of what use has man made rocks?

The Sky

What do we see beyond our ocean of air?
Why do we not see the same things above us in
the daytime?
What are stars? planets? comets? meteors?
the sun? the moon?
How can we view the sky to get a better idea of it?
What is meant by the "milky way"?
Why do planets not bump into one another?
How did the stars and planets get their names?
What is the difference between the sun and moon
as to its make-up?
How does the moon affect the tides?

Weather

How cold or hot is it?
Is the sky clear or cloudy?
Is it raining or snowing?
How much water is there in the air?
How strong is the wind?
From what direction is it coming?
How can weather predictions be made?
What makes frost, dew, snow, rain, hail etc.?

Grade V

The Sky

What is our nearest sky neighbor?
What is moonlight?
Why does the moon seem to change shapes?
What "changes" occur in the moon's shape?
What is the sun?
How does the sun's path change?
What are stars?
Why do some stars seem to move?

Grade VI

Time and Seasons

What causes night and day?
What causes the seasons?
How is time measured?
How is man affected by the seasons?

Grade VII

The Earth

What are the basic materials that make up the earth?
What causes day and night?
What causes the changing seasons?
What affect does the moon have on the earth?
What relationships is there between the earth and
the sun?
How are time and place measured on the earth?

The Heavens

- What are the planets in the solar system?
- What are the stars and the constellations?
- What are the eclipses?
- What are meteors and comets?
- What use may man make of outer space in the future?

Grade VIII

The Heavens

- What are stars?
- How far are the stars?
- What is the sun like and how important is it to us?
- What holds our universe together?
- What causes the days and nights?
- What is beyond our solar system?
- What different objects do we see in the sky?
- What are the family traits of the planets?
- What causes eclipses?

Weather

- Are weather superstitions based on evidence?
- Are there scientific weather signs?
- What is temperature?
- What causes differences in air temperatures?
- How can air pressure be measured?
- What is wind?
- What is meant by humidity of the air?
- What causes precipitation?
- What causes man's adaptations to weather and climate?
- How are official weather forecasts made?
- How are water and climate related?
- What is an air mass?
- Do air masses have fronts?

Content Area IV - Discovering Our Place in the World

Grade I

We are Growing

- Why does a person need a strong framework?
- How can we have strong frameworks for our bodies?
- How does good food help us to grow properly?

Grade II

When We Run and Play

- What do we breathe?
- Where is the heart?
- What does it do?
- How does blood flow to different parts of the body?
- Why should we rest after exercise?

Grade III

We Are Growing

- What does the body need to be healthy?
- What can the body do?

Grade IV

We Are Growing

- How can we help to continue to grow?
- How can we prevent spoilage?
- What measures should we take to correct ailments?
- How can we help to preserve land, water, etc.?
- How can we save our forests and ourselves from destruction by fire?

Grade V

Carbohydrates - Sugar and Starches

- Why do we need sugar and starches?
- How can we sweeten foods?
- How does sugar help to keep some foods from spoiling?
- Where do most of our starches come from?
- How do we digest carbohydrates?
- How much food containing carbohydrates do we need?
- How do green plants make sugar?

Conservation

- What is conservation?
- Why are soil and water the most important of our natural resources?
- What can be done to conserve soil?
- How can we conserve water?
- How can we conserve forests?
- Why should minerals be conserved?
- How can we conserve wild life and wild plants?

Grade VI

Our Eyes

- Structure of the eyes?
- How do our eyes work?
- How should we take care of our eyes?
- What protection do our eyes have?

Conservation

- Why is topsoil important to man?
- How is topsoil lost?
- How can the loss of topsoil be reduced?
- How can forests be conserved?
- How can fish life be protected?

Grade VII

The Human Body

- What are the bones of the skeleton?
- How do muscles work?
- What is the nervous system?
- What is the circulatory system?
- What is the digestive system?

Health and Hygiene

- What are the proper ways to take care of the various parts of the body?
- What parts of the body need special care?
- What can we do to fight microbes that cause disease?
- How does science help to improve health conditions?
- What are the A. B. C.'s of hygiene?

Conservation

- How can land and water be conserved?
- How can wild life and vegetation be conserved?
- How can minerals be conserved?
- How can foods be conserved?

Grade VIII

Using Our Wealth Wisely

- How can land and water be conserved?
- How can wildlife and vegetation be conserved?
- How can minerals be conserved?
- How can fuel be conserved?

Community and Personal Health

- How is safe water supplied to the home?
- How can safe sewage be disposed of properly?
- How may garbage and rubbish be disposed of safely?
- How do soap and water aid in cleaning?
- What are some scientific defenses against disease?
- What is your responsibility for safety and first aid?

APPENDIX B

ALPHABETICAL GUIDE OF FIELD TRIPS RELATED TO THE COURSE
OF STUDY IN SCIENCE IN THE ELEMENTARY SCHOOLS OF
CHICOPEE, MASSACHUSETTS

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Adam's Nursery Inc.

Address Springfield Road, Westfield, Mass. 01015
(Street) (City) (Zip)

Nature of Organization Agricultural

Name and title of person to be contacted for tour arrangements:

Name Charles A. Godiv Title President Tel. 562-3644

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? Weekdays
What hours? 7:30 to 4:30 How much time is needed for the tour? 1 to 2 hours
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
Wear comfortable shoes.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Catalogs

What area or group does this organization service? New England

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.
Tour of greenhouses and nursery, propagation area, shipping area and sales area.

Do you have people available to visit schools to give talks and demonstrations?
Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization American Airlines

Address Bradley International Airport, Windsor Locks, Conn.
(Street) (City) (Zip)

Nature of Organization Air Transportation

Name and title of person to be contacted for tour arrangements:

Name R. A. MacDonald Title Manager Tel. 737-1206

Which grade levels would profit by a visit to your organization? Primary, K-4

Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the

tour be most convenient? Spring What days are most suitable? Weekdays

What hours? 9-12 noon How much time is needed for the tour? 2 hours

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

All kinds.

What area or group does this organization service? Hartford-Springfield Area

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.

The airport.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization American Pad & Paper Co.

Address Appleton St., Holyoke, Mass.
(Street) (City) (Zip)

Nature of Organization Paper Converters

Name and title of person to be contacted for tour arrangements:

Name August De Prosper Title Vice President Tel. 536-6522

Which grade levels would profit by a visit to your organization? Primary, K-4
XMiddle, 5-8 XSecondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Winter What days are most suitable? Any
What hours? P. M. How much time is needed for the tour? 2 hours
Are cameras allowed? Yes XNo

May the teacher make a brief preview tour? XYes No

What special instructions are necessary for visitors?
We are very selective of the number in a group and age because much
of our equipment is the hi speed type and located close together.

Is first-aid service available to visitors? XYes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? National

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.

Do you have people available to visit schools to give talks and demonstrations?
 Yes XNo If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Amherst College

Address Amherst, Mass. 01002
(Street) (City) (Zip)

Nature of Organization College

Name and title of person to be contacted for tour arrangements:

Name Mr. Horace W. Hewlett Title Secretary Tel. 1-542-2320

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays

What hours? _____ How much time is needed for the tour? _____

Are cameras allowed? X Yes No

May the teacher make a brief preview tour? Yes X No

What special instructions are necessary for visitors?
Notify somewhat in advance so that a student guide can be provided.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? _____

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.
Meade Art Gallery, Natural History Museum, Bassett Planetarium. Maximum
number of students 50.

Do you have people available to visit schools to give talks and demonstrations?

 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Amherst Creamery Co.

Address 13 Sunset Ave., Amherst, Mass. 01002
(Street) (City) (Zip)

Nature of Organization Ice Cream Manufacturers

Name and title of person to be contacted for tour arrangements:

Name Mr. Joseph Vincent Title Owner Tel. 1-25-32551

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? 9 to 3 PM How much time is needed for the tour? 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Visitors should keep quiet and not touch any of the apparatus.
Teacher should call a week in advance to arrange tour.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Western Mass.

Who is the director of this organization? Mr. Joseph Vincent

In a few words tell what is to be shown to students taking the tour.
A tour of the entire plant which includes the manufacturing of ice
cream and frappe mixes.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Birch -N- Bend Gardens

Address 896 East Main St., Chicopee Falls, Mass. 01020
(Street) (City) (Zip)

Nature of Organization Gardenhouse and shop

Name and title of person to be contacted for tour arrangements:

Name Charles L. Chiecko Title Owner Tel. 592-0753

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? May What days are most suitable? Tues. Wed. Thurs

What hours? Morning How much time is needed for the tour? 1 hour

Are cameras allowed? XYes No

May the teacher make a brief preview tour? XYes No

What special instructions are necessary for visitors?

Primary knowledge of plants.

Is first-aid service available to visitors? XYes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Pamphlets on "How to Plant".

What area or group does this organization service? Western Mass.

Who is the director of this organization? Charles Chiecko

In a few words tell what is to be shown to students taking the tour.
Simple explanation of plants found around the home and how they are grown
and marketed.

Do you have people available to visit schools to give talks and demonstrations?

 Yes XNo If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Herman Bosbach Inc.

Address 146 Brown Ave., Holyoke, Mass.
(Street) (City) (Zip)

Nature of Organization Dry Cleaning and Fur Storage Firm.

Name and title of person to be contacted for tour arrangements:

Name Donald Lafrennie Title Vice President Tel. 536-6401

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? March What days are most suitable? Mon. thru Thurs.

What hours? 1-3 PM How much time is needed for the tour? 1/2 to 1 hour

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

No smoking, hand off clothes.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

None

What area or group does this organization service? Westfield, Agawam, Springfield

Who is the director of this organization? Herman Bosbach

In a few words tell what is to be shown to students taking the tour.

Cleaning, pressing storage of all clothing.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools
AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Chicopee Electric Light Dept.

Address 725 Front St., Chicopee, Mass. 01013
(Street) (City) (Zip)

Nature of Organization Electric Power Distribution

Name and title of person to be contacted for tour arrangements:

Name John J. Korkosz Title Manager Tel. 598-8311

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? Tues. thru Thurs.
What hours? 9-11 AM How much time is needed for the tour? 1 hour
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
None

Is first-aid service available to visitors? Yes X No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? The entire Chicopee area

Who is the director of this organization? Manager - John J. Korkosz

In a few words tell what is to be shown to students taking the tour.
Students will be shown some of the equipment and tools used in electric
power distribution. The system operator's central control room and an
outdoor distribution substation.

Do you have people available to visit schools to give talks and demonstrations?
 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Chicopee Fire Dept.

Address Cabot St., Chicopee, Mass. 01013
(Street) (City) (Zip)

Nature of Organization Fire prevention and protection

Name and title of person to be contacted for tour arrangements:

Name Mr. Rivest Title Deputy of Dept. Tel. 594-6633

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring & Fall What days are most suitable? Any
What hours? AM or PM How much time is needed for the tour? Depends on group
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
In event of alarm stay away from pole holes.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Pamphlets and films.

What area or group does this organization service? Chicopee area

Who is the director of this organization? Chief Borowiec

In a few words tell what is to be shown to students taking the tour.
Tour of dept., alarm station, office, view of trucks, aerial ladders,
movies at the station, pumping engines and rescue apparatus.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Chicopee Health Dept.

Address City Hall Annex, Chicopee, Mass. 01013
(Street) (City) (Zip)

Nature of Organization Pasteurization Plant and Dairy Farm

Name and title of person to be contacted for tour arrangements:

Name Mr. Alcide R. Brodeur Title Director Tel. 594-4711 ext. 265

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring or Fall What days are most suitable? Weekdays
What hours? Morning How much time is needed for the tour? 3 hours
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? City of Chicopee

Who is the director of this organization? Mr. Alcide Brodeur

In a few words tell what is to be shown to students taking the tour.
How milk is pasteurized and produced.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Cinema 1 & 2 & 3

Address 864 Riverdale Street, West Springfield, Mass. 01089
(Street) (City) (Zip)

Nature of Organization Motion Pictures

Name and title of person to be contacted for tour arrangements:

Name Richard P. Gallagher Title Managing Director Tel. 733-5131

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-3 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Mon.-Fri.

What hours? 10-3 How much time is needed for the tour? 1 hour

Are cameras allowed? XYes No

May the teacher make a brief preview tour? XYes No

What special instructions are necessary for visitors?
Only to stay within the guided tour.

Is first-aid service available to visitors? XYes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Pamphlets and brochures.

What area or group does this organization service? Western Mass. area.

Who is the director of this organization? Richard P. Gallagher

In a few words tell what is to be shown to students taking the tour.
Projection booths, projection systems including Cinerama and D-150,
screens, projectors, auditoriums, art galleries.

Do you have people available to visit schools to give talks and demonstrations?
XYes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools
AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Coca-Cola Bottling Co.

Address 33 Plainfield St., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Soda Bottling Plant

Name and title of person to be contacted for tour arrangements:

Name Mr. A. J. Vella Rocco Title Plant Manager Tel. 737-3571

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Mon. thru Fri.
What hours? 10-3 PM How much time is needed for the tour? 1/2 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Must notify company at least one week in advance.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Just rulers, pencils and writing tablets.

What area or group does this organization service? Hampden County, 1/2 million people

Who is the director of this organization? Mr. A. J. Villa Rocco

In a few words tell what is to be shown to students taking the tour.
Tour of entire plant consisting of the washing, filling, capping and
casing of coke.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Cole's Poultry Farm, Inc.

Address Loudville Road., Westhampton, Mass.
(Street) (City) (Zip)

Nature of Organization Poultry Farm

Name and title of person to be contacted for tour arrangements:
Name Mr. David Cole Title _____ Tel. 592-7933
527-0351

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? 8 AM to 2 How much time is needed for the tour? 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Children must be quiet so as not to scare chickens.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Egg quality pamphlets from the U.S. Dept. of Agriculture.

What area or group does this organization service? Western Mass.

Who is the director of this organization? Mr. Sydney Cole

In a few words tell what is to be shown to students taking the tour.
A tour of the entire operation. This includes viewing the day old chicks to
an automatic egg handling machine. There are a total of 90,000 chickens
on this farm.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization The Columbia Manufacturing Co., Inc.

Address 1 Cycle St., Westfield, Mass.
(Street) (City) (Zip)

Nature of Organization Bicycle & Furniture Manufacturing

Name and title of person to be contacted for tour arrangements:

Name Theodore Gilligan Title Personnel Manager Tel. 562-3664

Which grade levels would profit by a visit to your organization? Primary, K-4
Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Prior to June What days are most suitable? Any
What hours? 10-12 AM How much time is needed for the tour? 1 1/2 hours
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Will be given at time of entry.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Pamphlets

What area or group does this organization service? This country and some foreign

Who is the director of this organization? Mr. H. A. Clarke

In a few words tell what is to be shown to students taking the tour.
Entire bicycle manufacturing process as well as furniture operations.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Comm. of Mass., Dept. of Natural Resources, Chicopee Memorial State Park

Address Burnett Road, Box 208, Chicopee, Mass. 01021
(Street) (City) (Zip)

Nature of Organization Recreational facilities for the public.

Name and title of person to be contacted for tour arrangements:

Name Michael C. Greason Title Supervisor Tel. 594-9416

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-3 Secondary, 9-12 What special time, if any, of the year would the tour be most convenient? Fall & Spring What days are most suitable? Weekdays
What hours? 8 AM to 4 PM How much time is needed for the tour? _____

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

Brochures may be available

What area or group does this organization service? The general public.

Who is the director of this organization? Bruce S. Gullion, Director-Dept. of Natural Resources-Div. of Forestry & Park

In a few words tell what is to be shown to students taking the tour.

Picnic sites, recreation facilities organization and development.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Continental Baking Co.

Address 16 Commercial St., Holyoke Mass.
(Street) (City) (Zip)

Nature of Organization Bread Bakery

Name and title of person to be contacted for tour arrangements:

Name E. D. Mello Title Sales Manager Tel. 532-9415

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-3 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Mon. Wed. Thurs.
What hours? _____ How much time is needed for the tour? 45 min. Fri.

Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?

None, we give instructions before going on tour.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Pamphlets and films

What area or group does this organization service? All retail food stores.

Who is the director of this organization? Frank Cramer, Plant Manager

In a few words tell what is to be shown to students taking the tour.

The complete process of making a loaf of Wonder Bread.

Do you have people available to visit schools to give talks and demonstrations?

 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Coutures Tree Farm

Address 373 East State Street, Granby, Mass.
(Street) (City) (Zip)

Nature of Organization Commercial Tree Farm

Name and title of person to be contacted for tour arrangements:

Name Mr. Edmond Couture Title Owner Tel. 467-3622

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring & Summer What days are most suitable? Weekdays

What hours? 9 AM to 2 PM How much time is needed for the tour? 1 hour

Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

None

What area or group does this organization service? Community

Who is the director of this organization? Mr. Edmond Couture

In a few words tell what is to be shown to students taking the tour.

Do you have people available to visit schools to give talks and demonstrations?

 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURSName of Organization Daniel O'Connell LumberyardAddress Meadow St., Chicopee, Mass.
(Street) (City) (Zip)Nature of Organization Lumberyard

Name and title of person to be contacted for tour arrangements:

Name Mr. O'Brien Title _____ Tel. 538-8201Which grade levels would profit by a visit to your organization? Primary, K-4
Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? WeekdaysWhat hours? Any How much time is needed for the tour? dependsAre cameras allowed? Yes NoMay the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Boys only. No special instructions. Will be briefed before the tour.Is first-aid service available to visitors? Yes NoWhat materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?PamphletsWhat area or group does this organization service? CommunityWho is the director of this organization? Daniel O'Connell

In a few words tell what is to be shown to students taking the tour.

The work presently being done on the bridge for Route 91.

Do you have people available to visit schools to give talks and demonstrations?

 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Dreikorn's Bakery Inc.

Address 320 Park St., Holyoke Mass.
(Street) (City) (Zip)

Nature of Organization Bread Bakery

Name and title of person to be contacted for tour arrangements:

Name Mr. Moynihan Title Sales Manager Tel. 536-5322

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime but What days are most suitable? Mon. Thurs. Fri.
holidays

What hours? 3-5 PM How much time is needed for the tour? 45 minutes

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Please have children accompanied by an adult. Notify bakery at least
two weeks in advance.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Booklet on bread making, plus a ruler, pencil and loaf of bread given
as a free gift.

What area or group does this organization service? Western Mass.

Who is the director of this organization? Mr. Adolph Dreikorn

In a few words tell what is to be shown to students taking the tour.
The complete procedure in the making of bread. The mixing, raising,
dividing, proofing, panning cooling and wrapping of bread.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization R. Ducharme Inc. (Chicopee Mason Supplies)

Address 451 McKinstry Ave., Chicopee, Mass. 01020
(Street) (City) (Zip)

Nature of Organization Manufacturing of building blocks.

Name and title of person to be contacted for tour arrangements:

Name Edgar Ducharme Title President Tel. 534-4516

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-3 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring or Fall What days are most suitable? Mon. thru Fri.
What hours? 9-12, 1-3 How much time is needed for the tour? 1 hour
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
We must have a weeks notice before visiting our plant. The place is
dusty, bring older clothes.

Is first-aid service available to visitors? Yes X No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Pamphlets

What area or group does this organization service? 25 mile radius for 90% of material

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.
Burnett Road School is building out of Royal-Stone which is replacing
Clay building Brick plus most of your schools today are built of
blocks.

Do you have people available to visit schools to give talks and demonstrations?
X Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Dunlop Florists

Address 62 Grape St., Chicopee, Mass
(Street) (City) (Zip)

Nature of Organization Greenhouse

Name and title of person to be contacted for tour arrangements:

Name Mr. Dunlop Title President Tel. 594-6677

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? Weekdays

What hours? 9-5 PM How much time is needed for the tour? 30 min.

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

None

What area or group does this organization service? Local area

Who is the director of this organization? Mr. Dunlop

In a few words tell what is to be shown to students taking the tour.

Flowers in various stages of growth.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Forest Park Zoo

Address Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Public Zoo

Name and title of person to be contacted for tour arrangements:

Name Mr. Thompkins Title Interpretive Naturalist 733-9218

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the tour be most convenient? Spring & Summer What days are most suitable? Weekdays

What hours? 10 AM to 2 How much time is needed for the tour? 2 hours

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Make children aware of the fact that this is a public park and it should be kept clean. Don't litter with rubbish.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

None

In what area or group does this organization service? Western Mass.

Who is the director of this organization? Mr. Thompkins

In a few words tell what is to be shown to students taking the tour.

Students in primary grades will view animals in park. Students in middle school will be taken on tour of entire park including nature trails.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Friendly Ice Cream Corporation

Address 1855 Boston Road, Wilbraham, Mass. 01067
(Street) (City) (Zip)

Nature of Organization Ice Cream Manufacturer

Name and title of person to be contacted for tour arrangements:

Name Alan Hale Title Manager-Adv. & Pub. Tel. 783-6212

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? 9-11 AM How much time is needed for the tour? 30-45 min.
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
1 adult for each 6 or 7 children, large groups divided into groups
of 15 or 20 and start at staggered intervals to avoid confusion in
plant.

Is first-aid service available to visitors? Yes X No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Brochures-slided presentation which is suitable for high school.

What area or group does this organization service? 140 shops throughout New England
New Jersey and New York

Who is the director of this organization? Curtis L. Blake and S. Priestly Blake

In a few words tell what is to be shown to students taking the tour.
Manufacturing of ice cream, syrups, toppings and the complete process
in making of hamburger patties.

Do you have people available to visit schools to give talks and demonstrations?
 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization General Offset Printing

Address 157 Chestnut St., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Printing Co.

Name and title of person to be contacted for tour arrangements:

Name Mr. Joseph Venti Title Vice President Tel. RE 92541

Which grade levels would profit by a visit to your organization? Primary, K-4

Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the

tour be most convenient? Any What days are most suitable? Any

What hours? _____ How much time is needed for the tour? _____

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

None

What area or group does this organization service? Commercial Printing

Who is the director of this organization? President - Mr. Venti, Sr.

In a few words tell what is to be shown to students taking the tour.

Trip through the entire plant.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Glendale Turkey Farm

Address 1063 Glendale Road, Wilbraham, Mass.
(Street) (City) (Zip)

Nature of Organization Dairy cows and hens

Name and title of person to be contacted for tour arrangements:

Name Mr. Joseph Nietupski Title Farmer Tel. 1-5963859

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? Weekdays
What hours? 9:30 on How much time is needed for the tour? 30 min.
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Not too much noise.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Western Mass.

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.
Tour of entire animal farm.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Gosselin's Dairy Inc.

Address Marion St., Chicopee, Mass. 01013
(Street) (City) (Zip)

Nature of Organization Milk processing and packaging plant

Name and title of person to be contacted for tour arrangements:

Name Roger W. Gosselin Title Plant Manager Tel. 594-9361

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Early Fall Late Spring What days are most suitable? Mon. Wed. Fri.
What hours? _____ How much time is needed for the tour? 1/2 hour
Are cameras allowed? X Yes ___ No

May the teacher make a brief preview tour? X Yes ___ No

What special instructions are necessary for visitors?
None

Is first-aid service available to visitors? X Yes ___ No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Schools and general public.

Who is the director of this organization? Roger W. Gosselin

In a few words tell what is to be shown to students taking the tour.

Processing of milk from the time it enters the plant until packaged
ready for delivery.

Do you have people available to visit schools to give talks and demonstrations?
___ Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools
AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Hampden College of Pharmacy

Address 694 Chicopee St., Willimansett, Mass. 01040
(Street) (City) (Zip)

Nature of Organization School of Pharmacy

Name and title of person to be contacted for tour arrangements:

Name Dean Joseph Gagne Title Dean Tel. 532-1955

Which grade levels would profit by a visit to your organization? Primary, K-4
Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Fall What days are most suitable? Laboratory days
What hours? When scheduled How much time is needed for the tour? 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Catalogues

What area or group does this organization service? Community

Who is the director of this organization? Dean Joseph Gagne

In a few words tell what is to be shown to students taking the tour.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Holyoke Water Power Co.

Address 1 Canal Street, Holyoke, Mass.
(Street) (City) (Zip)

Nature of Organization Manufacturing of Electricity

Name and title of person to be contacted for tour arrangements:

Name Mr. Michael Kozinets Title _____ Tel. 596-5520

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-3 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Sept. & April What days are most suitable? Mon. thru Fri.
What hours? 9 - 3 PM How much time is needed for the tour? 1 1/2 hours
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? Yes X No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? City of Holyoke

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.

Tour of the Mount Tom Power Plant

Do you have people available to visit schools to give talks and demonstrations?
 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization H. P. Hood & Sons, Inc.

Address 233 Main St., Agawam, Mass. 01001
(Street) (City) (Zip)

Nature of Organization Milk bottling and distribution

Name and title of person to be contacted for tour arrangements:

Name Everett Miller Title _____ Tel. 733-2167

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 Anytime other
What special time, if any, of the year would the tour be most convenient? than holidays What days are most suitable? Mon. Tues. Wed.
What hours? 10 to 11 AM How much time is needed for the tour? 45 min.

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Wear water resistant shoes as many of the floors are wet.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

A package of charts is available. Arrangements can be made to borrow films.

What area or group does this organization service? Western Mass. and Conn.

Who is the director of this organization? Robert Morrow, Plant Superintendent

In a few words tell what is to be shown to students taking the tour.

Bulk farm truck unloading, Pasteurizing, bottle filling, storage and loading facilities.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization H. R. Huntting Book Co.

Address 300 Burnett Road, Chicopee Falls, Mass.
(Street) (City) (Zip)

Nature of Organization Printer and Book Bindery

Name and title of person to be contacted for tour arrangements:

Name Mr. Silberman Title Vice President Tel. 594-4728

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Fall What days are most suitable? Tues. thru Thurs.
What hours? morning How much time is needed for the tour? 40 min.
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Entire Country

Who is the director of this organization? Mr. Frank B. Wilson

In a few words tell what is to be shown to students taking the tour.
A complete tour of the printing and binding of books.

Do you have people available to visit schools to give talks and demonstrations?
 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Mercy Hospital

Address Carew St., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Hospital

Name and title of person to be contacted for tour arrangements:

Name _____ Title Personnel Manager Tel. 788-7321

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? afternoon How much time is needed for the tour? 2 hours
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Must be quiet.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

pamphlets concerning different schools: nursing, anesthesiology and
lab technicians.

What area or group does this organization service? Community

Who is the director of this organization? Sr. Marie Immaculate Heart

In a few words tell what is to be shown to students taking the tour.

Entire Hospital and its procedures.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Metropolitan District Commission - Quabbin Reservoir

Address Belchertown, Mass 01007
(Street) (City) (Zip)

Nature of Organization Metropolitan Boston and Chicopee Water Supply

Name and title of person to be contacted for tour arrangements:
Name Mr. Frank Boron - Chicopee Title Sample Collector 594-4711 Ext. 265
Mr. Hal Mellen Title Ass't. Engineer Tel. 1-323-6921

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring & Summer What days are most suitable? Tues. or Thurs.

What hours? 9 AM to 1:30 PM How much time is needed for the tour? 2 hours

Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?

Students to bring lunch and beverage. Ten cents for metered binoculars.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Map and chart of fishing areas etc.
16 mm. film could be made available.

What area or group does this organization service? Boston and Chicopee Area.

Who is the director of this organization? John Copithorne, Engineer in Charge

In a few words tell what is to be shown to students taking the tour.

Do you have people available to visit schools to give talks and demonstrations?

X Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Monsanto Co., Plastics Division

Address 812 Monsanto Ave., Indian Orchard, Mass.
(Street) (City) (Zip)

Nature of Organization Plastic and Chemical Manufacturer

Name and title of person to be contacted for tour arrangements:

Name Mr. Robert Bogan Title Manager of Com Rel. Tel. 788-6911

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays

What hours? 1:30 to 3:00 How much time is needed for the tour? 1 1/2 hours

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No Not necessary

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? Country

Who is the director of this organization? Plant Manager, Mr. Gerald Elsworth

In a few words tell what is to be shown to students taking the tour.

Tour of entire operation consisting of research and production areas.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Nash Dinosaur Land

Address Amherst Rd., South Hadley, Mass.
(Street) (City) (Zip)

Nature of Organization Quarry and authentic dinosaur footprints and museum

Name and title of person to be contacted for tour arrangements:

Name Carlton S. Nash Title Owner Tel. 467-2941

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Fall & Spring What days are most suitable? Tues. thru Fri.
What hours? 9 AM to 5 PM How much time is needed for the tour? 45 min.
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Special reservations should be made in advance. Students may purchase
stones and minerals. Students in group .15 cents (Special rate).

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? _____

Who is the director of this organization? Carlton S. Nash

In a few words tell what is to be shown to students taking the tour.

Worlds largest dinosaur footprint quarry where footprints may be seen in
their natural state of preservation. Thousands of minerals are on
display.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization New England Bindery Inc.

Address Burnett Road, Chicopee Falls, Mass.
(Street) (City) (Zip)

Nature of Organization Book Bindery

Name and title of person to be contacted for tour arrangements:

Name Mr. Silberman Title Vice President Tel. 592-7656

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Fall What days are most suitable? Tues. thru Fri.
What hours? Morning How much time is needed for the tour? 40 min.
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
Do not touch equipment Notify business at least a week in advance.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Entire Country

Who is the director of this organization? Mr. Frank B. Wilson

In a few words tell what is to be shown to students taking the tour.
How books are bound.

Do you have people available to visit schools to give talks and demonstrations?
 Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization New England Container Co.

Address Meadow St., Chicopee, Mass.
(Street) (City) (Zip)

Nature of Organization Manufacturers of paper boxes.

Name and title of person to be contacted for tour arrangements:

Name Mr. Johnson Title Vice-President Tel. 533-3901

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Winter What days are most suitable? Anytime
What hours? 9-3 PM How much time is needed for the tour? 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

No smoking.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Pamphlets

What area or group does this organization service? New England and New York

Who is the director of this organization? Mr. Richard F. Carroll

In a few words tell what is to be shown to students taking the tour.

Actual manufacturing of corrugated boxes and shipping cartons.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization New England Tel. & Tel. Co.

Address 85 Chestnut St., Springfield, Mass. 01101
(Street) (City) (Zip)

Nature of Organization Telephone communications

Name and title of person to be contacted for tour arrangements:

Name Miss Catherine M. Canty Title School Representative Tel. 737-9989

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? April, May & June What days are most suitable? Tues. thru Fir.
What hours? _____ How much time is needed for the tour? 1/2 to 3/4 hour.
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Any special instructions would be given by a telephone guide accompanying
group.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Educational Telephone Films on numerous topics.
Teletrainer for loan.
Series of books and pamphlets covering speech, lasers, transistors etc.

What area or group does this organization service? 200,000 telephone subscribers in
the Springfield area.

Who is the director of this organization? Mr. Peter Stanley - District Comm. Manager

In a few words tell what is to be shown to students taking the tour.

The plant dept., the operating room and in some cases the commercial dept.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Palmer State Fish Hatchery (Comm. of Mass.)

Address 690 Ware St., Palmer Mass. 01069
(Street) (City) (Zip)

Nature of Organization Fish Propagation

Name and title of person to be contacted for tour arrangements:

Name Mr. Andrew S. Roman Title Culturist Tel. 1-283-7440

Which grade levels would profit by a visit to your organization? Primary, K-4
x Middle, 5-8 x Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? March - August What days are most suitable? Tues. and Thurs.
What hours? 10 to 12 AM How much time is needed for the tour? 1 hour
Are cameras allowed? x Yes No

May the teacher make a brief preview tour? x Yes No

What special instructions are necessary for visitors?

at least one adult to each ten children.

Is first-aid service available to visitors? Yes x No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

None

What area or group does this organization service? Commonwealth of Mass.

Who is the director of this organization? Mr. James Shepard

In a few words tell what is to be shown to students taking the tour.

Live fish of all sizes (Trout).

Do you have people available to visit schools to give talks and demonstrations?

x Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Park Photolab Inc.

Address 177 High St., Holyoke, Mass. 01040
(Street) (City) (Zip)

Nature of Organization Photofinishing

Name and title of person to be contacted for tour arrangements:

Name Rod Laport Title Manager Tel. 533-0111

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? _____ What days are most suitable? Mon. or Wed.
What hours? 10 AM to 4 PM How much time is needed for the tour? 1/2 to 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? Holyoke-Springfield and Conn.

Who is the director of this organization? Mr. Chester Hadnicki

In a few words tell what is to be shown to students taking the tour.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Rich Lithographing Co.

Address 60 Broadway Chicopee Falls, Mass. 01020
(Street) (City) (Zip)

Nature of Organization Printing

Name and title of person to be contacted for tour arrangements:

Name Mr. Rich Title President Tel. 594-4771

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Any
What hours? 10-5 How much time is needed for the tour? 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Can handle between 30 and 40 youngsters.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? Entire Country

Who is the director of this organization? Mr. Rich

In a few words tell what is to be shown to students taking the tour.

Process of printing in color and ink.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization J. G. Roy Lumber Co.

Address 861 Meadow St., Chicopee, Mass. 01014
(Street) (City) (Zip)

Nature of Organization Retail and wholesale building materials

Name and title of person to be contacted for tour arrangements:

Name E. F. Schinek Title Sales Manager Tel. 594-4731

Which grade levels would profit by a visit to your organization? Primary, K-4
Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Early Fall What days are most suitable? Tues. Wed. Thurs.
What hours? morning How much time is needed for the tour? Approx. 1 hour
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Only to exercise care when near moving machinery or when negotiating stairs.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

No materials available for distribution unless it might be for information regarding some specific manufacturer's material we might handle.

What area or group does this organization service? Western Mass. and part of Conn.

Who is the director of this organization? J. G. Roy, President

In a few words tell what is to be shown to students taking the tour.

Tour of our lumber storage area and manufacturing facilities, such as our sash shop, cabinet shop, planing mill, house component manufacturing area, wood treating plant and mill storage area.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Shawinigan Resins Corp. (Monsanto)

Address 644 Monsanto Ave., Indian Orchard, Mass.
(Street) (City) (Zip)

Nature of Organization Plastic and Chemical Manufacturer

Name and title of person to be contacted for tour arrangements:

Name Mr. Robert Bogan Title Manager of Com. Rel Tel. 788-6911

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? 1:30 to 3:00 How much time is needed for the tour? 1 1/2 hours
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

None

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? Country

Who is the director of this organization? Plant Manager, Mr. Gerald Elsworth

In a few words tell what is to be shown to students taking the tour.

Tour of entire operation consisting of research and production areas.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization The H. B. Smith Co., Inc.

Address 57 Main St., Westfield, Mass. 01085
(Street) (City) (Zip)

Nature of Organization Manufacturers of Cast Iron Boilers

Name and title of person to be contacted for tour arrangements:

Name Edwin E. Smith Title Vice Pres. Sales Tel. 562-9631

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? 1 to 3:30 PM How much time is needed for the tour? 1 hour
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
Boys only. Sorry, no girls are allowed in the plant.
Not over 30 at one time.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Pamphlets and catalogs.

What area or group does this organization service? Nation wide

Who is the director of this organization? Edwin E. Smith

In a few words tell what is to be shown to students taking the tour.
Cast iron foundry.

Do you have people available to visit schools to give talks and demonstrations?
X Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Springfield Armory Museum

Address Federal St., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Museum of Firearms

Name and title of person to be contacted for tour arrangements:

Name Mr. Tom Wallace Title Museum Director Tel. 739-6911 Ext. 5114

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? _____ What days are most suitable? Tues. thru Fri.
What hours? A. M. How much time is needed for the tour? Varies with ages
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

None

What area or group does this organization service? Springfield

Who is the director of this organization? Mr. Tom Wallace

In a few words tell what is to be shown to students taking the tour.

Guns related to people, places events connected with their use.

Do you have people available to visit schools to give talks and demonstrations?

X Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Springfield Gas Light Co.

Address 2025 Roosevelt Ave., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Gas Utility

Name and title of person to be contacted for tour arrangements:

Name Mr. Robert E. Wight Title Dir. Ind. Educ. Bureau Tel. 781-3610

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? any How much time is needed for the tour? 1 to 1 1/2 hours
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Pamphlets, films and charts

What area or group does this organization service? General Public

Who is the director of this organization? Mr. Robert E. Wight

In a few words tell what is to be shown to students taking the tour.

Commercial office, general accounting, engineering, distribution
and all fields of general operations.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Springfield Newspapers

Address Cypress St., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Communications

Name and title of person to be contacted for tour arrangements:

Name James R. Crowe Title Personnel Dir. Tel. RE 23112

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? None What days are most suitable? Mon. thru Sat.
What hours? 9-3:00 How much time is needed for the tour? _____
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

What area or group does this organization service? Western Mass.

Who is the director of this organization? _____

In a few words tell what is to be shown to students taking the tour.

Complete tour of newspaper plant.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Springfield Science Museum

Address 236 State Street, Springfield, Mass. 01103
(Street) (City) (Zip)

Nature of Organization Natural Science Education Exhibits

Name and title of person to be contacted for tour arrangements:

Name Mrs. Alice Coach Title Curator - Jr. Dept. Tel. 732-7911

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? School year What days are most suitable? Tues. Wed. Thurs

What hours? 9-12 AM How much time is needed for the tour? 2 hours

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Call museum.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Call museum

What area or group does this organization service? All school groups through high school

Who is the director of this organization? Frank D. Korkosz

In a few words tell what is to be shown to students taking the tour.

Animals, astronomy, botany, birds, indians, man, minerals, animal habitats
snakes, shells etc. All conducted by staff members.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Standard Photo Service, Inc.

Address 616 Dwight St., Springfield, Mass. 01104
(Street) (City) (Zip)

Nature of Organization Wholesale Photofinisher

Name and title of person to be contacted for tour arrangements:

Name C. J. Bissell Title Personnel Manager Tel. 739-2521

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Weekdays

What hours? 8:30 to 5:00 How much time is needed for the tour? 1 hour

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

No smoking and no talking to employees.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

None

What area or group does this organization service? New England States

Who is the director of this organization? William F. Frye, President

In a few words tell what is to be shown to students taking the tour.

Processing and printing of black and white and color roll films.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Stanley Home Products Inc.

Address 116 Pleasant St., Easthampton, Mass.
(Street) (City) (Zip)

Nature of Organization Household Utensils

Name and title of person to be contacted for tour arrangements:

Name Nicholas Violante Title Personnel Manager Tel. 527-1000

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? F all What days are most suitable? Wednesdays

What hours? 10:30 AM How much time is needed for the tour? 2 hours

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

No high heels, comfortable clothing, and the group must be supervised by teachers.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

Pamphlets

What area or group does this organization service? Nationwide Sales Organization

Who is the director of this organization? Miss C. L. O'Brien, Chairman of Board

In a few words tell what is to be shown to students taking the tour.

Diversified manufacturing operation from steel handles to cosmetic products.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization The Stanley Park of Westfield, Inc.

Address 42 Arnold St., Westfield, Mass. 01085
(Street) (City) (Zip)

Nature of Organization Park

Name and title of person to be contacted for tour arrangements:

Name Mr. Frank Pac Title Superintendent Tel. 568-1634
526-3631

Which grade levels would profit by a visit to your organization? Primary, K-4

Middle, 5-3 Secondary, 9-12 / What special time, if any, of the year would the tour be most convenient? Mid June What days are most suitable? All day Fri.

What hours? Thurs. 1-3:30 Fri. 8-3:30 How much time is needed for the tour? _____

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
We would prefer to have the group stay together on the tour and we ask that the park be kept in good order, so that the next group may enjoy the beauty of the park

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?
Folders

We have groups from all sections of the United States, as well as from foreign countries.

What area or group does this organization service? _____
Mrs. Evelyn B. Russell, President
Who is the director of this organization? Mr. Homer C. Perkins, Treasurer

In a few words tell what is to be shown to students taking the tour.
Perennial and rose gardens, trails, rustic setting with covered bridge, millhouse, blacksmith shop. We also have a pavillion and dining area and acre lawn, arboretum, and color fountains.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization State Line Potato Chips Co.

Address 2535 Boston Road, Wilbraham, Mass.
(Street) (City) (Zip)

Nature of Organization Potato Chip Manufacturer

Name and title of person to be contacted for tour arrangements:

Name Mr. A. M. Katz Title Director Tel. 596-6168

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Mon. thru Thurs.
What hours? 9-2 PM How much time is needed for the tour? 1/2 hour
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
None. Visitors must notify company at least one day in advance.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? All areas

Who is the director of this organization? Mr. A. M. Katz

In a few words tell what is to be shown to students taking the tour.
Entire trip through plant

Do you have people available to visit schools to give talks and demonstrations?
Yes X No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization 104th Tactical Fighter Group, Mass. Air National Guard

Address Barnes Airport, Westfield, Mass. 01085
(Street) (City) (Zip)

Nature of Organization Military - Air National Guard

Name and title of person to be contacted for tour arrangements:

Name Edward J. Rumanowski Title Lt. Col. Tel. 562-3691

Which grade levels would profit by a visit to your organization? Primary, K-4

X Middle, 5-3 X Secondary, 9-12 What special time, if any, of the year would the

tour be most convenient? May and June What days are most suitable? 1 1/2 hours

What hours? 8 to 4:30 How much time is needed for the tour? _____

Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?

The groups must be controlled. No running or climbing on objects. No smoking in hangar or vicinity of aircraft.

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?

Certain films on request in advance.

What area or group does this organization service? Westfield, Holyoke, Chicopee
Greater Springfield, Northampton

Who is the director of this organization? Col. John Stefanik

In a few words tell what is to be shown to students taking the tour.

Operation and maintenance of air Tactical Fighter Squadron.

Do you have people available to visit schools to give talks and demonstrations?

 Yes X No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization United States Envelope Corp.

Address 21 Cypress St., Springfield, Mass. 01101
(Street) (City) (Zip)

Nature of Organization Paper Converters

Name and title of person to be contacted for tour arrangements:

Name Mrs. Dorothy Fenton Title Public Realtions Tel. RE 67211

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Winter What days are most suitable? Early in week
What hours? AM How much time is needed for the tour? _____
Are cameras allowed? Yes X No

May the teacher make a brief preview tour? Yes X No

What special instructions are necessary for visitors?

Is first-aid service available to visitors? X Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Distribution of company information and product information
brochures. Showing of company films.

What area or group does this organization service? Entire U.S.A.

Who is the director of this organization? Harold A. Sutphen - President

In a few words tell what is to be shown to students taking the tour.

Machines and products.

Do you have people available to visit schools to give talks and demonstrations?

X Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Information Division 99 CXL - Hq. 99th Bomb Wing.

Address 99 CXL - Westover AFB, Mass. 01022
(Street) (City) (Zip)

Nature of Organization Air Force Base

Name and title of person to be contacted for tour arrangements:

Name Maj. William A. Hansen Title Major Tel. 557-3500

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? Weekdays
What hours? 9-2 PM How much time is needed for the tour? 2 to 2 1/2 hours
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No Not necessary

What special instructions are necessary for visitors?
Requests for tours must be made in writing before action will be completed.
A minimum of thirty days in advance notice is required to allow for scheduling
of static display of aircraft and to avoid unnecessary conflicts.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

pamphlets and photos of aircraft

What area or group does this organization service? Civic, school and church groups

Who is the director of this organization? Maj. William A. Hansen

In a few words tell what is to be shown to students taking the tour.
Static display of aircraft and a flight line tour only. This takes about
2 1/2 hours.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

The following should be included in your letter of request: Date and time.
An alternate date should be included. Number of people and mode of
transportation here when needed. Extent of tour desired. Age group of
children. Telephone of requestor.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization College of Agriculture-University of Massachusetts

Address Amherst, Mass. 01002
(Street) (City) (Zip)

Nature of Organization Farm

Name and title of person to be contacted for tour arrangements:

Name Bernard L. Hilton Title Farm Superintendent Tel. 545-2271

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Spring What days are most suitable? Weekdays
What hours? 9 AM to 2 PM How much time is needed for the tour? 1 hour plus
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?
Be careful of animals. Have enough adults to watch the children.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Western Massachusetts

Who is the director of this organization? Dean Arless S. Snielran

In a few words tell what is to be shown to students taking the tour.
Views of farm barns - cattle (possibly may see a cow being milked), calves
sheep and lambs, swine and babies, horses and colts and some animals used
for research.

Do you have people available to visit schools to give talks and demonstrations?
 Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Western Mass. Electric Co.

Address 174 Brush Hill Ave., West Springfield, Mass. 01089
(Street) (City) (Zip)

Nature of Organization Investor owned electric utility

Name and title of person to be contacted for tour arrangements: 785-5871

Name C. R. Dunklee Title Coordinator Tel. Ext. 245
Community Relations Brush Hill

Which grade levels would profit by a visit to your organization? Primary, K-4

Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? School year What days are most suitable? Weekdays

What hours? mornings How much time is needed for the tour? 1 to 1 1/2 hours

Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

2 week notice required. Women should wear low heels. Find own transportation
for groups and there should be at least one adult for each 8 to 10 children.

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?

Pamphlets on all three plants plus additional pamphlets on general subject of
electricity. Films also available. Model of Conn. Yankee Nuclear
available - its size 47" long, 27" high and 52" wide.

What area or group does this organization service? 55 communities in Western Mass.

Who is the director of this organization? Paul H. Methens, President

In a few words tell what is to be shown to students taking the tour.

How electricity is produced by either fossil or atomic fuels. Films
and slides are shown. Question period provided.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization WHYN - Radio and Television

Address 1300 Liberty St., Springfield, Mass.
(Street) (City) (Zip)

Nature of Organization Television and Radio Station

Name and title of person to be contacted for tour arrangements:

Name Mr. Gil Lekovich Title Production Manager Tel. 785-1911

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Mon. thru Thurs.
What hours? 2 PM to 3:30 How much time is needed for the tour? 45 min.
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?
None

Is first-aid service available to visitors? Yes y No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
None

What area or group does this organization service? Western Massachusetts

Who is the director of this organization? Jim Kontoleon - TV Program Manager

In a few words tell what is to be shown to students taking the tour.

News room, tv control room studios, projection studio and WHYN radio.

Do you have people available to visit schools to give talks and demonstrations?

X Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization Worthington Corp., Construction Equipment Div.

Address 37 Appleton St., Holyoke, Mass. 01040
(Street) (City) (Zip)

Nature of Organization Manufacturers of air compressors and construction equip.

Name and title of person to be contacted for tour arrangements:

Name Robert E. Moynihan Title Supervisor of Public Relations Tel. JE 60600

Which grade levels would profit by a visit to your organization? Primary, K-4
 Middle, 5-8 Secondary, 9-12 What special time, if any, of the year would the
tour be most convenient? Anytime What days are most suitable? Mid-month Wed.
What hours? 9:00 to 11:30 How much time is needed for the tour? 2 hours Thurs.
Are cameras allowed? Yes No

May the teacher make a brief preview tour? Yes No

What special instructions are necessary for visitors?

Safety Instructions

Is first-aid service available to visitors? Yes No

What materials are available for distribution or borrowing: pamphlets, films, charts,
models, etc.?
Pamphlets and other information on request

What area or group does this organization service? World Wide

Who is the director of this organization? Division President - Fred B. Seal

In a few words tell what is to be shown to students taking the tour.

20 minute film on "This is Worthington", and tour of shop and other dept.

Do you have people available to visit schools to give talks and demonstrations?

Yes No If yes, please complete the questions on the accompanying sheets,
using a separate sheet for each such person. Additional copies are available.

Chicopee Public Schools

AREA EDUCATIONAL RESOURCES SURVEY

EDUCATIONAL TOURS

Name of Organization WWLP - Channel 22 TV

Address P.O. box 2210, Springfield, Mass. 01101 (Studios located at Provincetown Mt. (Street) (City) (Zip))

Nature of Organization Television

Name and title of person to be contacted for tour arrangements:

Name Robert F. Donahue Title Promotion Manager Tel. 785-1201

Which grade levels would profit by a visit to your organization? Primary, K-4
X Middle, 5-8 X Secondary, 9-12 What special time, if any, of the year would the tour be most convenient? Anytime What days are most suitable? Weekdays
What hours? 9:30 to 2:00 How much time is needed for the tour? 1 hour
Are cameras allowed? X Yes No

May the teacher make a brief preview tour? X Yes No

What special instructions are necessary for visitors?

Groups limited to 40 persons: smaller groups preferred.

Is first-aid service available to visitors? Yes X No

What materials are available for distribution or borrowing: pamphlets, films, charts, models, etc.?
Pamphlets

What area or group does this organization service? General public in Western Mass.

Who is the director of this organization? William L. Putnam, President

In a few words tell what is to be shown to students taking the tour.

Facilities for live, film and videotape programming: master control room.

Do you have people available to visit schools to give talks and demonstrations?

 Yes X No If yes, please complete the questions on the accompanying sheets, using a separate sheet for each such person. Additional copies are available.

APPENDIX C

FIELD TRIP INFORMATION

FIELD TRIP INFORMATION

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APPENDIX D

INDIVIDUAL RESULTS OF FIELD
TRIP SURVEY QUESTIONNAIRES

Individual Results of Field Trip Survey Questionnaires

<u>Organization's Name</u>	<u>Address</u>	<u>Status of Questionnaires</u>
Acme Chain Corp.	821 Main St., Holyoke	Not returned
Adam's Nursery Inc.	Springfield Rd., Westfield	Returned - yes
American Abrasive Co.	Union St., Westfield	Not returned
American Airlines	Bradley International Airport Windsor Locks, Conn.	Returned - yes
American Pad & Paper	75 Appleton St., Holyoke	Returned - yes
Amherst College	Amherst	Returned - yes
Amherst Creamery Co.	113 Sunset Ave., Amherst	Returned - yes
Asselin's Dairy	44 Dublin St., Chicopee	Not returned
Atwater Quarry	Westfield	Returned - address unknown
Bay State Plating Co.	39 Lyman St., Holyoke	Not returned
John H. Breck Inc.	115 Dwight St., Springfield	Not returned
Birch "N" Bend Gardens	896 Main St., Chicopee	Returned - yes
Blue Bird Acres	739 Parker St., East Longmeadow	Not returned
Hermann Bosbach Inc.	146 Brown Ave., Holyoke	Returned - yes
Brown Co. Eagle-A-Paper Div.	10 Eagle Ave., Holyoke	Not returned
Buxton Inc.	265 Main St., Agawam	Returned - no

Organization's Name	Address	Status of Questionnaires
Casper Ranger Construction Co.	6 Newton St., Holyoke	Returned - no
Chicopee Millwork and Lumber Co.	60 Emerald St., Chicopee	Not returned
Chicopee Provision Co., Inc.	19 Sitarz St., Chicopee	Returned - no
Cinema 1 & 2 & 3	864 Riverdale Rd., Springfield	Returned - yes
City of Chicopee Elec. Light Works	725 Front St., Chicopee	Returned - yes
City of Chicopee Fire Dept.	Cabot St., Chicopee	Returned - yes
City of Chicopee Flood Control	Call St., Chicopee	Not returned
City of Chicopee Health Dept.	City Hall, Chicopee	Returned - yes
City of Chicopee Highway Dept.	City Hall, Chicopee	Not returned
City of Chicopee Water Dept.	27 Tremont St., Chicopee	Not returned
Coca-Cola Bottling Co.	33 Plainfield St., Springfield	Returned - yes
Cole's Poultry Farm Inc.	Loudville Rd., Westhampton	Returned - yes
Columbia Manufacturing Co.	Westfield	Returned - yes
Comm. of Mass., Chicopee Memorial State Park	Burnett Rd., Box 208, Chicopee	Returned - yes
Comm. of Mass., Div. of Air Pollution	1414 State St., Springfield	Not returned
Comm. of Mass., Div. of Fisheries & Game, Wilbraham Game Farm	883 Tinkham Rd., Wilbraham	Not returned

Organization's Name

Address

Status of Questionnaire

Continental Baking Co.

16 Commercial St., Holyoke

Returned - yes

Couture's Tree Farm

373 East State St., Granby

Returned - yes

Crocker Farm

West St., Amherst

Not returned

Crucible Steel Co.

53 Second Ave., Chicopee

Returned - no

Diamond Match

125 Paridon St., Springfield

Returned - no

Dorleva Poultry Farm

Belchertown Rd., Amherst

Not returned

Dreikorn Bakery

320 Park St., Holyoke

Returned - yes

Dunlop Florists

62 Grape St., Chicopee

Returned - yes

Eastern Etching & Manufacturing
Company

Grape St., Chicopee

Returned - no

Forest Park Zoo

Springfield

Returned - yes

Friendly Ice Cream Corp.

1855 Boston Rd., Wilbraham

Returned - yes

General Instrument Corp., F. W.
Sickles Div.

165 Front St., Chicopee

Not returned

General Offset Printing Co.

157 Chestnut St., Springfield

Returned - yes

Glendale Turkey Farm

1063 Glendale Rd., Wilbraham

Returned - yes

Gosselin's Dairy Inc.

Marion St., Chicopee

Returned - yes

Haarman Steel Co.

Meadow St., Chicopee

Returned - no

Hampden Brass

262 Liberty St., Springfield

Returned - no

Organization's Name	Address	Status of Questionnaires
Hampden College of Pharmacy	694 Chicopee St., Chicopee	Returned - yes
Holyoke Lithograph Co. Inc.	642 Summer St., Holyoke	Returned - no
Holyoke Water Power Co.	1 Canal St., Holyoke	Returned - yes
H. P. Hood & Sons	233 Main St., Agawam	Returned - yes
H. R. Huntting Book Co.	300 Burnett Rd., Chicopee	Returned - yes
Kollmorgan Corp.	347 King St., Northampton	Returned - no
Lane Press	79 Springfield St., Chicopee	Returned - no
Lane Traprock Quarries	311 East Mountain Rd., Westfield	Returned - no
Liberty Bakeries	799 Liberty St., Springfield	Returned - no
Loudville Lead Mine	Southampton	Returned - address unknown
Ludlow Fish & Game	Sportsman Rd., Ludlow	Not returned
Ludlow Textile Products	State St., Ludlow	Not returned
Mass. Plastics	West Ave., Ludlow	Not returned
McClelland Gardens	123 Academy St., Chicopee	Not returned
McKinstry Metal Works Inc.	285 McKinstry Ave., Chicopee	Returned - no
Mercury Plastics	672 Fuller Rd., Chicopee	Returned - no
Mercy Hospital	233 Carew St., Springfield	Returned - yes
Metropolitan District Commission Quabbin Reservoir	Belchertown	Returned - yes

Organization's Name	Address	Status of Questionnaires
Monsanto Co., Plastics Div.	812 Monsanto Ave., Indian Orchard	Returned - yes
Moore Dropforge	38 Walter St., Springfield	Returned - no
Nash Quarry Dinosaur Tracks	Amherst Rd., South Hadley	Returned - yes
National Blank Book Co.	Water St., Holyoke	Returned - no
New England Bindery Inc.	Burnett Rd., Chicopee	Returned - yes
New England Container	Meadow St., Chicopee	Returned - yes
New England Tel. & Tel. Co.	295 Worthington St., Spfld.	Returned - yes
New York Central & New Haven R. R.	Columbus Ave., Springfield	Returned - no
Daniel O'Connell & Sons Lumberyard	Meadow St., Chicopee	Returned - yes
Package Machinery Co.	330 Chestnut St., East Long.	Not returned
Palmer State Fish Hatcheries	Palmer	Returned - yes
Park Photolabs Inc.	177 High St., Holyoke	Returned - yes
Pepsi-Cola-Bottling Co.	10 Main St., Florence	Returned - no
Piel Brothers Inc.	45 North Chicopee St., Chicopee	Returned - no
Pioneer Packaging Inc.	165 Front St., Chicopee	Returned - no
Plastic Coating Co.	37 Winter Street, Holyoke	Returned - no
Precision Products Corp.	5 Springfield St., Chicopee	Returned - no
Production Pattern & Foundary Inc.	McKinstry Ave., Chicopee	Returned - no
Pro-Phy-Lac-Tic Brush Co.	Pine St., Florence	Returned - no

Organization's Name	Address	Status of Questionnaire
Providence Hospital	1233 Main St., Holyoke	Not returned
Raynham Cotton Products	60 Depot St., Chicopee	Returned - no
Rex Chain Belt	369 Plainfield St., Springfield	Returned- no
Rich Lithographing	60 Broadway, Chicopee	Returned - yes
Rivers Ice Cream Co.	309 Grattan St., Chicopee	Returned - no
J. G. Roy Lumberyard Co.	861 Meadow St., Chicopee	Returned -yes
Savage Arms Corp. Westfield	Westfield	Returned - no
Sealtest Milk & Ice Cream	80 First St., Chicopee	Returned - no
Seven-up Bottling Co.	136 Nursery St., Springfield	Not returned
Shawinigan Resins Corp.	644 Monsanto Ave., Incian Orchard	Returned - yes
H. B. Smith Boilers	Westfield	Returned - yes
A. G. Spalding Brothers Inc.	Meadow St., Chicopee	Returned - no
Springfield Armory Museum	Federal St., Springfield	Returned - yes
Springfield Gas Light Co.	2025 Roosevelt Ave., Springfield	Returned - yes
Springfield Museum & Planetarium	236 State St., Springfield	Returned - yes
Springfield Newspapers	32 Cypress St., Springfield	Returned - yes
Standard Photo Service	616 Dwight St., Springfield	Returned - yes
Stanley Home Products	116 Pleasant St., Easthampton	Returned - yes
Stanley Park of Westfield Inc.	42 Arnold St., Westfield	Returned - yes

Organization's Name	Address	Status of Questionnaire
State Line Potato Chips	2535 Boston Rd., Wilbraham	Returned - yes
Stevens Paper Mills Inc.	North Main St., S. Hadley Falls	Not returned
Strathmore Paper Co.	Woronoco	Not returned
Szydlo's Bakery	194 Wheatland Ave., Chicopee	Returned - no
Tactical Fighter Group 104th Air Nation Guard	Westfield	Returned - yes
Tecnifax Corp.	195 Appleton St., Holyoke	Not returned
United States Envelope Co.	21 Cypress St., Springfield	Returned - yes
United States Government Westover Air Force Base	Chicopee	Returned - yes
United States Rubber Co.	154 Grove St., Chicopee	Not returned
University of Mass. School of Agriculture	Amherst	Returned - yes
Van Norman Machine Co.	3640 Main St., Springfield	Returned - no
Wesson Memorial Hospital	140 High St., Springfield	Returned - no
Western Mass. Electric Co.	174 Brush Hill Ave., W. Spfld.	Returned - yes
Western Union Tel. Co.	180 Worthington St., Spfld.	Not returned
Westfield Clay Products Co.	North Rd., Westfield	Not returned
Westover Florists & Gardens	443 Chicopee St., Chicopee	Not returned
W H Y N Radio & Television Sta.	1300 Liberty St., Springfield	Returned - yes

Organization's Name

Address

Status of Questionnaires

Worthington Corp.

W W L P Channel 22 Television
Station

37 Appleton St., Holyoke

Springfield

Returned - yes

Returned - yes

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Approved by:

(Problem Committee)

Date: _____

