

2016

Farming the Future

Andrijka Holton
Grand Valley State University

Brittany Jacobs
Grand Valley State University

Cassie Swanson
Grand Valley State University

Hannah Swanson
Grand Valley State University

Taylor Young
Grand Valley State University

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Farming the Future

ANDRIJKA HOLTON , BRITTANY
JACOBS , CASSIE SWANSON ,
HANNAH SWANSON , & TAYLOR
YOUNG

S.A.P. needs more involvement +

Young students benefit from outdoor activities

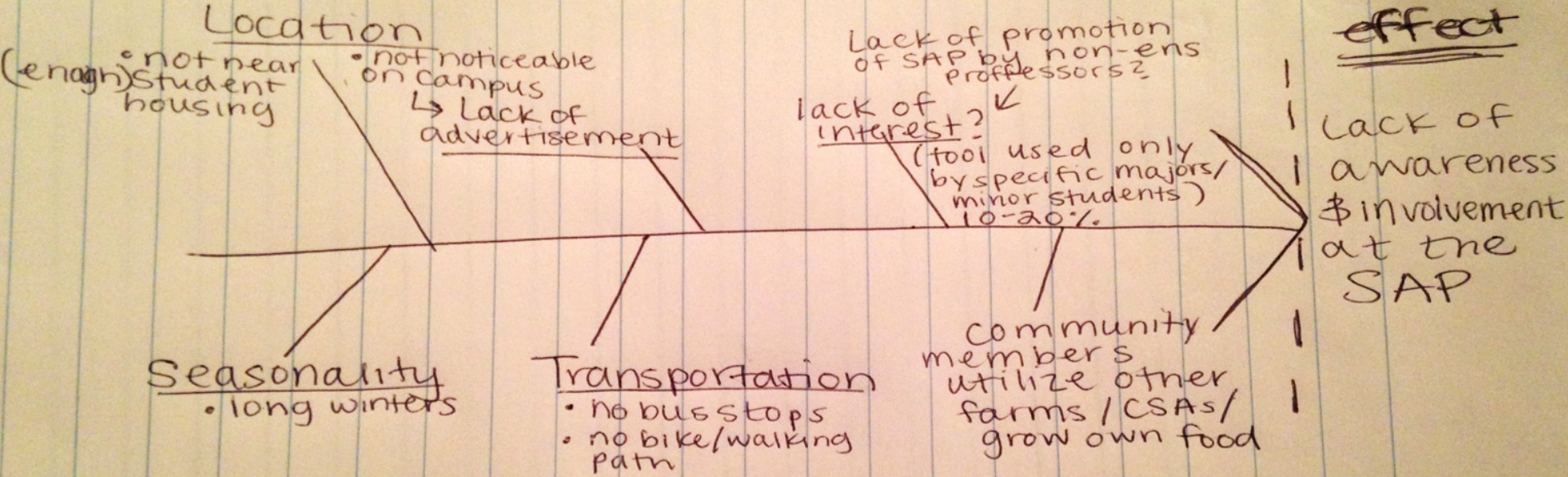
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**The S.A.P needs community and local
involvement**

Research/Reason &
(from grade school students)

Problem Statement

Cause

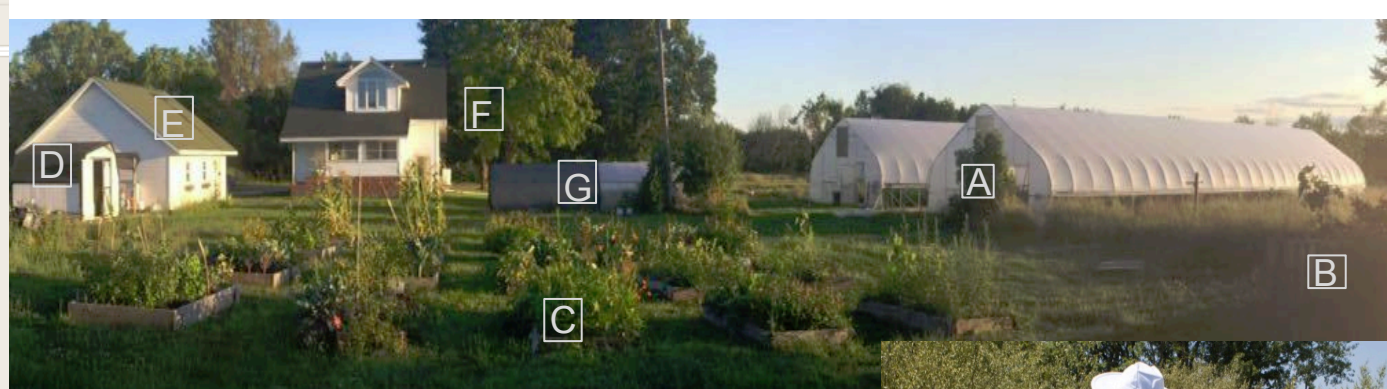


Problem Analysis

“We are going to make the S.A.P. a focal point for environmentally conscientious learning by providing experiential based workshops, so that learning can continue throughout the summer for students at GRPS schools”

Action





A: large hoop houses
B: compost pile
C: community raised beds
D: tool shed

E: garage
F: Wesley house

G: green house



H: Apolary

Where and What is the S.A.P.?



Youssef Darwich - Farm Manager

Yumi Jakobcic - Sustainability Coordinator

Amy McFarland - Sustainable Food Systems

**Community
Partners**



PUBLIC
MUSEUM
SCHOOL

GRAND RAPIDS PUBLIC **MUSEUM** SCHOOL

Christopher Hanks - Principle at
GRPM

Kimberly Rowland - Curriculum

Integration Specialist at GRPM

Kevin McLohan - CVSU Professor at
College of Education

Other
Connectio

- 1. To genuinely, effectively, and creatively teach students various workshops in order to expose them to sustainable agriculture practices.**
- 2. To facilitate experiences that can stretch each students' thinking, creativity, and understanding of our environment.**
- 3. To help students keep a report of their S.A.P. explorations in order for them to grasp a better sense of living growth.**
- 4. To provide strategies so that students may take what they learn from the S.A.P. workshops and integrate it into their own daily practices.**

Learning Objectives

- **Getting Students to the S.A.P.**
- **Teachers for Workshops**
- **Transportation From GVSU**
- **Dates/Time**



Proposed Solutions/ D 1 1

- **Other workshop ideas**
- **Materials**
- **Sky's the Limit**



Proposed Solutions/ D 1 1



May 1

Environmental



June : Crawling Critters



July : Busy Bees



August : Guardian Gardens



Experiment 1: Working with W



October : So-Long Showcase

Month	May	F	Cost	June	F	Cost	July	F	Cost	August	F	Cost	September	F	Cost	October	F	Cost	
Project	Environmental Explorers			Crawling Critters			Busy Bees			Guardian Gardens			Working with Worms			So-long Showcase			
Supplies	journal		\$1	magn. glass		\$10	saucer		\$2	pot		\$6	bins		\$3	baskets		\$15	
	binoculars		\$10	plastic bugs		\$5	marbles		\$7	succulents		\$2	worms		\$20	tables		\$20	
	post-its		\$3	note cards		\$3	cardboard		\$6	toys		\$3	newspaper		\$2	room rental?		\$100	
	seeds (4 pk. var.)		\$8	tank		\$15	peg pins		\$3				coffee grounds		\$3				
	color pencils		\$2										hole punch		\$6				
	pens/pencils (12)		\$2										spine		\$6				
	totes/bags		\$10																
	paint		\$3										individual						
	wood signs		\$10										reusable			4 groups of 3			
	stakes		\$1										shared						
	soil/compost		\$3																
	gloves		\$5																
Total			\$58			\$33			\$18			\$11			\$40			\$135	\$295
12 students			\$387			\$243			\$183			\$132			\$214			\$240	\$1,399
NY 1 student			\$32			\$18			\$18			\$11			\$34			\$100	\$213
NY 12 students			\$113			\$183			\$183			\$132			\$208			\$100	\$919

Budget



Flyer ..

March 26, 2016

Growing Workshops For GRPM

GVSU's Sustainable Agriculture Project invites you to join us this growing season!

The Sustainable Agriculture Project (SAP) at Grand Valley State University is a student-run farm on the outskirts of campus. It's a physical place, and a scientific station, where students can go to research plants, the environment, human-environmental interaction, systems thinking, and community. It's also a laboratory in that it is a space where students can (literally) get their hands dirty while learning quantitative and critical thinking skills relating to soil, water, plant life, climate change, and the environment. It's also a working studio space and gallery for artists, a field site with a ready-made community of people on a small working farm perfect for sociological study. It's also a business that produces and sells food to support the activities of the SAP.

GVSU students have used this space for much experiential based learning but there is a need for more community involvement at the SAP, especially involvement from graduate students. We eagerly wish to gain more community involvement at the SAP but to also inspire and teach the younger populations about the importance of sustainable food systems and practices in hopes that they will carry this knowledge into the future.

We are offering a 6 month, monthly workshop experience to the students at GRPM. The workshops will encapsulate the whole growing process from planting to harvest. Your student will be offered a plot of land to grow vegetables of their choice. They will keep journals and measurements of their plot's progress and will also participate in workshops and lectures in which they will learn about the importance of bees, water, and other garden related subjects. We plan on building compost bins, rain gardens, and bee hotels, that the students can take home and set up in their own back yards.

Spots are limited ! Apply Today @ GRPM

Students will need the following items to participate: empty 1-liter pop bottle, a empty milk gallon, small planting pot, a used soup can and a filled out consent form to interact on the bee farm.



Workshops offered

- Environmental Explorers
- Working with Worms
- Guardian Gardens
- Bug Boo
- Crawling Critters
- So-long Showcass

Date and Time (Subject to Change)

- 10:00 am - 12:00 pm
- May 1st
- June 1st
- July 1st
- August 1st
- September 1st
- October 1st

Location

455 Luce St. Grand Valley State University
Twp, MI 49426



- **Get Flyers to Students**
- **Talk to GRPM Students**
- **Have Kim Tour the SAP**
- **Administer Partnership/ Contract**
- **Format internship for future students**
- **Expand to other schools**



Next Steps

- **Funding**
- **Time**
- **Communication**
- **Resources**



Barriers

<http://pcwallart.com/fruits-and-vegetables-wallpaper-2.html>

<http://www.fanagrams.com/blog/2011/02/worms-in-dirt/>

<http://newtopwallpapers.com/category/rain-on-flowers/>

Author: [Alvesgaspar](#) Wikipedia

Toad : NatureNorth.com Doug Collicutt

Bugs: [Ton Rulkens](#) from Mozambique

Kids: Urbanrootsgr.org

<http://detroit.cbslocal.com/2012/08/27/grand-valley-expands-sustainable-agriculture/>

<http://geodesic-greenhouse-kits.com/michelle-obama-and-growing-spaces-working-toward-a-common-goal/>

http://www.gardenofthesenses.com/?page_id=1278

<http://www.mystatesman.com/news/local/one-garden-at-a-time-two-worms-help-planters-grow-fresh-foods/nbP7J/>

SOURCES FOR

UTILIZED

DIAGRAMS

Andrijka Holton (mackokea@mail.gvsu.edu)

Brittany Jacobs (jacobbri@mail.gvsu.edu)

Cassie Swanson (swansoca@mail.gvsu.edu)

Hannah Swanson (swanshan@mail.gvsu.edu)

Taylor Young (youngtay@mail.gvsu.edu)

Contact

Information