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**Honors Expanded Learning Clubs** 

**Honors Program** 

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#### Origami Club - A Gateway Into the Art of Self Expression

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# Nebraska Honors Program CLC Expanded Learning Opportunity Clubs Information Sheet

Name of Club: Origami Club				
Age/Grade Level: Grades 3-5				
Number of Attendees: 12				
Goal of the Club: (learning objectives/outcomes)				
Foster hands-on working and creativity skills. Build a sense of collaboration among students. Build fun origami projects.				
Resources: (Information for club provided by)				
Minjae Song and Noah Rachwitz (first instructors), YouTube walkthrough tutorials				
Content Areas: (check all that apply)				
□ Literacy				
STEM (Science, Technology, Engineering &Math)				
□ Social Studies				
□ Wellness (Physical Education, Health, Nutrition & Character Education)				
Outputs or final products: (Does the club have a final product/project to showcase to community?)				
The crafts and projects that the students have created themselves!				
Introducing your Club/Activities:				
Typically, students are eager to figure out what they are making that day. Build up the tension, and make the big reveal at the proper time.				
General Directions:				
Once the daily project has been revealed, emphasize proximity for better learning and precision; students will then follow directions for each fold, ultimately creating the final product for that lesson.				
Tips/Tricks:				
Patience is key to the process, ensure all students are on the same step before				

continuing. Answer questions with hands-on demonstrations.



Theme: Airplanes	Activity Title: Whose plane can fly the furthest?			
Dates: 10 Feb 2023	Time: 3:00 – 4:00 PM			
<b>Audience:</b> K 1 2 3 4 5 6 7	8 9 10 11 12			
How does this lesson connect with past and future learning? Introduction to origami. Paper airplanes are one of the simplest things to construct, making them a perfect project to begin the semester-long curriculum. Furthermore, they are interactive and exposes the kids to origami in a fun way.				
Subject Area: (align with LPS, State, and/or Na	tional Curriculum Standards):			
<ul><li>□ Literacy</li><li>□ Social Studies</li><li>□ Character Building</li><li>□ Technology</li><li>□ Math</li></ul>	<ul> <li>□ Recreation</li> <li>□ Creative Arts</li> <li>□ Science</li> <li>□ Health/Nutrition</li> <li>□ Music</li> </ul>			
Lesson Objective(s):				
Create functional paper airplanes and fly them. Compete among each other to see whose flies the furthest				
Targeted Vocabulary (including kid-friendly definitions):				
Origami: the Japanese art or process of folding squares of paper into representational shapes (Merriam-Webster 2023)				
Materials:				
A4 paper				
Activity Plan (include Introduction, Body, and Conclusion):				

In this activity, students in the 3-5th grade origami club will learn to create paper airplanes and participate in a friendly competition to see whose airplane flies the furthest. Begin by introducing the history of origami and the goal of the activity. Provide materials and demonstrate step-by-step instructions for folding a basic paper airplane, allowing students to customize their designs. After practice and adjustments, organize a bracket-style competition with students competing head-to-head. Conclude the activity by congratulating the winner, discussing factors contributing to the

airplane's success, and encouraging students to share what they learned from the experience. This activity fosters creativity, collaboration, and friendly competition while teaching basic origami techniques.				
Reflection and Evaluation				
This plan promotes (check all that apply):  ☐ Exploration, Practice, and Reflection ☐ Expression and Creativity ☐ Group Membership ☐ Contribution and Service	How will growth and achievement of these objectives be measured and documented:  Demonstration Portfolio Presentation Written Product Other (please describe): Successful construction of the airplanes			
What did participants learn in this lesson?	Recommended Modifications:			
Basics of folding and brief history of origami.	Give notice to the staff beforehand about the competition. Find a bigger space (such as the cafeteria) to fly the planes.			



Theme: Boats and Fortune Tellers	Activity Title: Whatever Floats Your Boat				
Dates: 24 Feb 2023	Time: 3:00 – 4:00 PM				
<b>Audience:</b> K 1 2 3 4 5 6 7	8 9 10 11 12				
How does this lesson connect with past and fu	ture learning?				
The second session, the kids are starting to learn they must be in sync with their peers as the next s same fold. They are beginning to understand high	tep cannot be completed until everyone is on the				
Subject Area: (align with LPS, State, and/or Na	tional Curriculum Standards):				
<ul><li>□ Literacy</li><li>□ Social Studies</li><li>□ Character Building</li><li>□ Technology</li><li>□ Math</li></ul>	<ul> <li>□ Recreation</li> <li>□ Creative Arts</li> <li>□ Science</li> <li>□ Health/Nutrition</li> <li>□ Music</li> </ul>				
Lesson Objective(s):					
Create both a boat and fortune teller from paper, and interact with them after.					
Targeted Vocabulary (including kid-friendly de	finitions):				
N/A					
Materials:					
A4 Paper					

#### Activity Plan (include Introduction, Body, and Conclusion):

In this week's origami club activity, 3-5th grade students will create paper boats and fortune tellers, followed by interactive play with their newly crafted fortune tellers. Begin by introducing the day's projects and explaining their significance in origami culture. Provide materials and demonstrate step-by-step instructions for folding paper boats, allowing students to customize their designs with colors and decorations. Next, guide students through the process of creating fortune tellers, encouraging them to write their own fun questions and fortunes. After completing the crafts,

facilitate a session where students can engage with each other using their fortune tellers, fostering communication, creativity, and collaboration. This activity not only teaches new origami techniques but also promotes social interaction and imaginative play. Reflection and Evaluation This plan promotes (check all that apply): How will growth and achievement of these objectives be measured and documented: ☐ Exploration, Practice, and Reflection Demonstration ☐ Expression and Creativity □ Portfolio ☐ Group Membership Presentation □ Contribution and Service □ Written Product ☐ Other (please describe): Successful construction of boats and fortune tellers What did participants learn in this lesson? Recommended Modifications: Prepare a "pool" of water where students could They learned how to keep going when things don't go their way (i.e. inaccurate folds); they float the boats. learned to work together and had interaction

when playing with the fortune tellers.



Theme: Blow Up Ball	Activity Title: On A Roll!				
Dates: 3 March 2023 Time: 3:00 – 4:00 PM					
<b>Audience:</b> K 1 2 <b>3 4 5</b> 6 7	8 9 10 11 12				
How does this lesson connect with past and fu	ture learning?				
This lesson transitions the students from using rectangular A4 paper to standard, colored origami squares. With their understanding of perseverance and higher quality folding, the kids now are applying more complicated techniques to their crafts.					
Subject Area: (align with LPS, State, and/or Na	tional Curriculum Standards):				
<ul><li>□ Literacy</li><li>□ Social Studies</li><li>□ Character Building</li><li>□ Technology</li><li>□ Math</li></ul>	<ul> <li>□ Recreation</li> <li>□ Creative Arts</li> <li>□ Science</li> <li>□ Health/Nutrition</li> <li>□ Music</li> </ul>				
Lesson Objective(s):					
Create a blow-up ball from paper.					
Targeted Vocabulary (including kid-friendly definitions):					
N/A					
Materials:					
Square origami paper.					

#### **Activity Plan (include Introduction, Body, and Conclusion):**

In week 3 of the origami club for 3-5th graders, students will create blow-up paper balls, learning a new origami technique that involves inflating their crafts to form spherical shapes. Begin by introducing the blow-up paper ball project, emphasizing the unique aspect of inflating the origami creation. Provide materials and demonstrate step-by-step instructions for folding and inflating the blow-up balls, ensuring that students understand each fold and crease. Encourage students to choose their preferred colors and patterns for the paper, adding a personal touch to their creations.

As students complete their blow-up balls, facilitate a group discussion about the challenges they faced and the techniques they found most helpful in the process. Afterward, organize an interactive activity where students can gently toss and play with their blow-up balls, promoting teamwork and communication. This week's activity introduces students to a different facet of origami, combining folding techniques with the element of inflating the paper, resulting in a fun and engaging experience.

#### **Reflection and Evaluation**

#### This plan promotes (check all that apply):

- ☐ Exploration, Practice, and Reflection
- Expression and Creativity
- □ Group Membership
- ☐ Contribution and Service

## How will growth and achievement of these objectives be measured and documented:

- Demonstration
- □ Portfolio
- Presentation
- □ Written Product
- Other (please describe): Successful creation of paper ball

#### What did participants learn in this lesson?

Students learned about the use of proper materials and their personal effect on the outcome of a product. They also learned about unique ways of interacting with their final product ("blowing up" the ball).

#### **Recommended Modifications:**

Project might've been too quick for the allotted time frame of teaching; include extra, small craft or activity. Students suggested filling them up with water to make water balloons.



Theme: Frogs								Activity Title: I Toad You So							
Dates	: 24 Ma	rch 2	2023						Time	e: 3:	00 – 4	:00 PI	И		
Audie	nce: K	1	2	3	4	5	6	7	8	9	10	11	12		
How does this lesson connect with past and future learning?															
The jumping paper frogs lesson connects with past and future learning by reinforcing foundational origami skills and introducing a functional element (jumping) that adds interactivity. This activity promotes creativity, collaboration, and problem-solving, preparing students for more complex projects and artistic expression in future sessions.															
Subject Area: (align with LPS, State, and/or National Curriculum Standards):															
_ _ _	Literac Social Charac Techno Math	Studi cter B		9						Cı Sc He	cience	ion Arts  lutritio	n		
Lesson Objective(s):															
Create a frog from paper, then test out far it hops.															
Targeted Vocabulary (including kid-friendly definitions):															
N/A															
Materials:															
Square origami paper															
Activi	Activity Plan (include Introduction, Body, and Conclusion):														

In this origami club session for 3-5th graders, students will create jumping paper frogs, an engaging activity that combines origami techniques with a playful outcome. Begin by introducing the day's project: crafting paper frogs with the ability to "jump" when pressed. Provide materials and demonstrate step-by-step instructions for folding the jumping frogs, ensuring that students understand the proper folding and creasing methods to create the jumping mechanism.

Encourage students to personalize their frogs by selecting different colors and patterns for their paper, as well as adding eyes or other creative touches. As students complete their jumping frogs, allow time for practice and adjustments to improve the frog's jumping capabilities.

Organize a friendly competition where students can test their frogs' jumping abilities, such as a distance contest or an obstacle course. This activity not only teaches students a new and entertaining origami technique but also fosters a sense of friendly competition and collaboration while promoting creativity and problem-solving skills.

#### Reflection and Evaluation

#### This plan promotes (check all that apply):

- ☐ Exploration, Practice, and Reflection
- Expression and Creativity
- ☐ Group Membership
- □ Contribution and Service

## How will growth and achievement of these objectives be measured and documented:

- Demonstration
- □ Portfolio
- Presentation
- □ Written Product
- Other (please describe): Successful creation of paper frog

#### What did participants learn in this lesson?

Students grasped the concept of paying close attention to our moves and folds; there was also interaction when a student fell behind and another student was able to help them.

#### **Recommended Modifications:**

We did not have time to do a competition at the end. Efficient and careful organization of time is crucial for successfully carrying out the action plan.



Theme: Cranes	Activity Title: The Face of Origami			
Dates: 31 March 2023	Time: 3:00 – 4:00 PM			
<b>Audience:</b> K 1 2 <b>3 4 5</b> 6 7	8 9 10 11 12			
How does this lesson connect with past and fu	ture learning?			
This session was the most complex so far. The kids experienced moderate difficulty as we demonstrated each move up-close to the students, but were reasonably able to keep up. In this way, the students learned to deal with failure, and overcame adversity through trial.				
Subject Area: (align with LPS, State, and/or Na	tional Curriculum Standards):			
<ul><li>□ Literacy</li><li>□ Social Studies</li><li>□ Character Building</li><li>□ Technology</li><li>□ Math</li></ul>	<ul> <li>□ Recreation</li> <li>□ Creative Arts</li> <li>□ Science</li> <li>□ Health/Nutrition</li> <li>□ Music</li> </ul>			
Lesson Objective(s):				
Create cranes from golden, square origami paper.				
Targeted Vocabulary (including kid-friendly definitions):				
N/A				
Materials:				
Golden, square origami paper				

#### **Activity Plan (include Introduction, Body, and Conclusion):**

In this week's origami club, students will create cranes using golden foil paper. Start by welcoming the students and introducing the crane folding activity, briefly discussing the cultural significance of cranes as symbols of peace and happiness. Show a completed crane as an example. Guide students through the step-by-step process of folding their own cranes, ensuring they follow along and understand each step. As the activity concludes, encourage students to share their finished cranes with the group and display them in the classroom or take them home as a keepsake.

Reflection and Evaluation					
This plan promotes (check all that apply):  ☐ Exploration, Practice, and Reflection ☐ Expression and Creativity ☐ Group Membership ☐ Contribution and Service	How will growth and achievement of these objectives be measured and documented:  Demonstration Portfolio Presentation Written Product Other (please describe): Successful creation of paper crane				
What did participants learn in this lesson?  Students learned to handle adversity; golden paper folds are increasingly precise and thin, and the cranes are a step up from prior projects.	Recommended Modifications:  Slow down teaching, perform each step in proximity so that the students can visualize what exactly is happening.				



Theme: Modular Paper Boxes	Activity Title: New Dimensions				
Dates: 14 April 2023	Time: 3:00 – 4:00 PM				
<b>Audience:</b> K 1 2 <b>3 4 5</b> 6 7	8 9 10 11 12				
How does this lesson connect with past and fu	ture learning?				
This lesson displayed how multiple pieces of origami can work into one. Students were working through the smaller parts to reach the bigger solution. Here, the body of the product was created from six figures (thus, six individual pieces of paper) and then combined into one.					
Subject Area: (align with LPS, State, and/or Na	tional Curriculum Standards):				
<ul><li>□ Literacy</li><li>□ Social Studies</li><li>□ Character Building</li><li>□ Technology</li><li>□ Math</li></ul>	<ul> <li>□ Recreation</li> <li>□ Creative Arts</li> <li>□ Science</li> <li>□ Health/Nutrition</li> <li>□ Music</li> </ul>				
Lesson Objective(s):					
Create a modular paper box from multiple components.					
Targeted Vocabulary (including kid-friendly definitions):					
N/A					
Materials:					
Square origami paper					

#### **Activity Plan (include Introduction, Body, and Conclusion):**

In this week's origami club session, students will create modular origami boxes by assembling multiple pieces together. Begin by welcoming the students and introducing the concept of modular origami, which involves crafting individual units that are combined to form a larger structure. Show a completed modular origami box as an example and explain that it consists of six separate figures assembled together. Provide each student with six square sheets of paper and guide them through the step-by-step process of folding a single modular unit. Once students have folded all six units,

demonstrate how to connect the pieces to form the final box. Encourage students to personalize their boxes with colors, patterns, or decorations, and discuss how this activity teaches problemsolving and collaboration by working through smaller parts to achieve a bigger solution. Reflection and Evaluation This plan promotes (check all that apply): How will growth and achievement of these objectives be measured and documented: ☐ Exploration, Practice, and Reflection Demonstration ■ Expression and Creativity □ Portfolio ☐ Group Membership Presentation □ Contribution and Service □ Written Product ☐ Other (please describe): successful creation of modular paper boxes What did participants learn in this lesson? **Recommended Modifications:** Students understood that taking on smaller Start right away for the construction of the final challenges first can help conquer a bigger one, boxes, the six pieces take a big duration of time

to create.

this lesson allowed repeated production as well

for better mastery of folding.



Theme: Ninja Stars	Activity Title: The Final Battle				
Dates: 21 April 2023	Time: 3:00PM – 4:00PM				
<b>Audience:</b> K 1 2 <b>3 4 5</b> 6 7	8 9 10 11 12				
How does this lesson connect with past and fu	ture learning?				
This lesson was the final lesson, the kids have learned perseverance and their quality of work determines the quality of their product; this final construction was meant to show that a product created by paper can have technical use.					
Subject Area: (align with LPS, State, and/or Na	tional Curriculum Standards):				
<ul><li>□ Literacy</li><li>□ Social Studies</li><li>□ Character Building</li><li>□ Technology</li><li>□ Math</li></ul>	<ul> <li>□ Recreation</li> <li>□ Creative Arts</li> <li>□ Science</li> <li>□ Health/Nutrition</li> <li>□ Music</li> </ul>				
Lesson Objective(s):					
Create ninja stars from square origami paper.					
Targeted Vocabulary (including kid-friendly definitions):					
N/A					
Materials:					
Square origami paper					

#### **Activity Plan (include Introduction, Body, and Conclusion):**

In this origami club session, students will create exciting and dynamic origami ninja stars. Start by welcoming the students and introducing the concept of origami ninja stars as traditional Japanese throwing weapons, also known as "shuriken." Emphasize that the origami versions are for decorative purposes and not for throwing. Provide each student with two square sheets of paper in contrasting colors for added visual appeal. Guide them through the step-by-step process of folding each individual half of the ninja star. Once both halves are complete, demonstrate how to interlock

the two pieces to create the final ninja star. Encourage students to explore different color combinations and patterns to personalize their creations. Conclude the activity by highlighting the importance of precision and patience in origami and how this project can enhance students' fine motor skills and creativity.				
Reflection and Evaluation				
This plan promotes (check all that apply):  ☐ Exploration, Practice, and Reflection ☐ Expression and Creativity ☐ Group Membership ☐ Contribution and Service	How will growth and achievement of these objectives be measured and documented:  Demonstration Portfolio Presentation Written Product Other (please describe): Successful creation of ninja star			
What did participants learn in this lesson?  The students learned that something they create can have potential use in life; the students learned that their quality of work surmounts to the usefulness of their work.	Recommended Modifications:  Emphasize caution from the beginning to end as the product could be pointy.			