

STEAM Lab Lesson Plans

Week of October 15-19

8:40-9:10 Morning Duties

9:10-10:10- RtI

11:50-12:20- Lunch

3:40-4:00 Afternoon Duties

Grade Level	Objectives/Learning Targets	Learning Activities and Instructional Strategies	Standards Assessed
2nd (10:10-11:00)	<p>I can <b>collaborate</b> in a group to create a paper chain using limited materials.</p> <p>I can measure a paper chain in inches using a ruler or a measuring tape.</p>	<p><b>Focus for the week:</b> Collaboration</p> <p><b>Vocabulary:</b> collaboration, synergize, critical thinking, problem solving, growth mindset, length, measure</p> <p><b>Discussion:</b> Whole group discussion on growth mindset, perseverance, problem solving, and collaboration.</p> <p>Students will be given the following materials to complete a STEM challenge.</p> <ul style="list-style-type: none"><li>- 1 piece of large construction paper</li><li>- Scissors</li><li>- 12 inches of tape</li></ul>	K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

		<p>- ruler</p> <p>Once given the materials, students will have 30 minutes to plan and create a paper chain. Students will use rulers to measure their paper chain when they are finished.</p>	
<p>3rd (11:00-11:50)</p>	<p>I can <b>collaborate</b> in a group to create a paper chain using limited materials.</p> <p>I can measure a paper chain in inches using a ruler or a measuring tape.</p>	<p><b>Focus for the week:</b> Collaboration</p> <p><b>Vocabulary:</b> collaboration, synergize, critical thinking, problem solving, growth mindset, length, measure</p> <p><b>Discussion:</b> Whole group discussion on growth mindset, perseverance, problem solving, and collaboration.</p> <p>Students will be given the following materials to complete a STEM challenge.</p> <ul style="list-style-type: none"> <li>- 1 piece of large construction paper</li> <li>- Scissors</li> <li>- 12 inches of tape</li> <li>- ruler</li> </ul> <p>Once given the materials, students will have 30 minutes to plan and create a paper chain. Students will use rulers to measure their paper chain when they are finished.</p>	<p>3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.</p>
<p>4th (12:20-1:10)</p>	<p>I can <b>collaborate</b> in a group to create a</p>	<p><b>Focus for the week:</b> Collaboration</p>	<p>3-5-ETS1-2. Generate and compare multiple</p>

	<p>paper chain using limited materials.</p> <p>I can measure a paper chain in inches using a ruler or a measuring tape.</p>	<p><b>Vocabulary:</b> collaboration, synergize, critical thinking, problem solving, growth mindset, length, measure</p> <p><b>Discussion:</b> Whole group discussion on growth mindset, perseverance, problem solving, and collaboration.</p> <p>Students will be given the following materials to complete a STEM challenge.</p> <ul style="list-style-type: none"> <li>- 1 piece of large construction paper</li> <li>- Scissors</li> <li>- 12 inches of tape</li> <li>- ruler</li> </ul> <p>Once given the materials, students will have 30 minutes to plan and create a paper chain. Students will use rulers to measure their paper chain when they are finished.</p>	<p>possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.</p>
K (1:10-2:00)	<p>I can <b>collaborate</b> in a group to create a paper chain using limited materials.</p> <p>I can measure a paper chain in inches using a ruler or a measuring tape.</p>	<p><b>Focus for the week:</b> Collaboration</p> <p><b>Vocabulary:</b> collaboration, synergize, critical thinking, problem solving, growth mindset, length, measure</p> <p><b>Discussion:</b> Whole group discussion on growth mindset, perseverance, problem solving, and collaboration.</p> <p>Students will be given the following materials</p>	<p>K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.</p>

		<p>to complete a STEM challenge.</p> <ul style="list-style-type: none"> <li>- 1 piece of large construction paper</li> <li>- Scissors</li> <li>- 12 inches of tape</li> <li>- ruler</li> </ul> <p>Once given the materials, students will have 30 minutes to plan and create a paper chain. Students will use rulers to measure their paper chain when they are finished.</p>	
1st (2:00-2:50)	<p>I can <b>collaborate</b> in a group to create a paper chain using limited materials.</p> <p>I can measure a paper chain in inches using a ruler or a measuring tape.</p>	<p><b>Focus for the week:</b> Collaboration</p> <p><b>Vocabulary:</b> collaboration, synergize, critical thinking, problem solving, growth mindset, length, measure</p> <p><b>Discussion:</b> Whole group discussion on growth mindset, perseverance, problem solving, and collaboration.</p> <p>Students will be given the following materials to complete a STEM challenge.</p> <ul style="list-style-type: none"> <li>- 1 piece of large construction paper</li> <li>- Scissors</li> <li>- 12 inches of tape</li> <li>- ruler</li> </ul> <p>Once given the materials, students will have 30 minutes to plan and create a paper chain.</p>	<p>K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.</p>

		Students will use rulers to measure their paper chain when they are finished.	
5th (2:50-3:40)	<p>I can <b>collaborate</b> in a group to create a paper chain using limited materials.</p> <p>I can measure a paper chain in inches using a ruler or a measuring tape.</p>	<p><b>Focus for the week:</b> Collaboration</p> <p><b>Vocabulary:</b> collaboration, synergize, critical thinking, problem solving, growth mindset, length, measure</p> <p><b>Discussion:</b> Whole group discussion on growth mindset, perseverance, problem solving, and collaboration.</p> <p>Students will be given the following materials to complete a STEM challenge.</p> <ul style="list-style-type: none"> <li>- 1 piece of large construction paper</li> <li>- Scissors</li> <li>- 12 inches of tape</li> <li>- ruler</li> </ul> <p>Once given the materials, students will have 30 minutes to plan and create a paper chain. Students will use rulers to measure their paper chain when they are finished.</p>	3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.