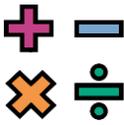


## Year 4 - Spring 2

<p><b>Science</b></p> 	<p>Sinking &amp; Floating Test:</p> <ul style="list-style-type: none"> <li>- Collect 5–7 small household items (e.g. spoon, Lego brick, coin, rubber, bottle lid).</li> <li>- Predict which will sink and which will float.</li> <li>- Test them in a bowl of water.</li> <li>- Write down one surprise result and why you think it happened.</li> </ul>
<p><b>Technology</b></p> 	<p>Design a useful app idea</p> <ul style="list-style-type: none"> <li>- Imagine an app that would help children your age at home or at school.</li> <li>- Draw the main screen and label at least 3 features (e.g., homework helper, pet care tracker).</li> <li>- Add one sentence explaining why it would be helpful.</li> </ul>
<p><b>Engineering</b></p> 	<p>Earthquake-Proof Tower</p> <ul style="list-style-type: none"> <li>- Build a tower using spaghetti and marshmallows, or straws and tape.</li> <li>- The tower must: <ul style="list-style-type: none"> <li>• Stand at least 40 cm tall</li> <li>• Survive being placed on a tray that is gently shaken for 10 seconds</li> </ul> </li> <li>- Take a photo before and after the “earthquake”.</li> </ul>
<p><b>Arts</b></p> 	<p>Colour &amp; Mood Exploration</p> <ul style="list-style-type: none"> <li>- Create a piece of art (drawing, painting or collage) using only warm colours (reds, yellows, oranges) or cool colours (blues, greens, purples).</li> <li>- In one sentence, describe the “mood” your colours create (e.g., calm, energetic).</li> </ul>
<p><b>Maths</b></p> 	<ul style="list-style-type: none"> <li>- Draw one regular 2D shape (triangle, square, pentagon, hexagon).</li> <li>- Cut it into pieces (triangles, rectangles, or other shapes).</li> <li>- Rearrange the pieces to make a different shape — for example, turn a square into a rectangle or a hexagon into a triangle-based pattern.</li> <li>- Stick your final design down and label: <ul style="list-style-type: none"> <li>• The original shape</li> <li>• The new shape</li> <li>• How many pieces you used</li> </ul> </li> </ul>

Children in Year 4 can bring any STEAM Challenge work they complete into school or submit it on Seesaw.