



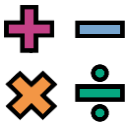


Year 4 – Summer 1

<p>Science</p> 	<p>Shadow Investigator:</p> <ul style="list-style-type: none"> - Explore how shadows change during the day. - Place a toy or object outside or in direct sunlight. - 2 or 3 times a day (different times of the day), draw around the shadow of the object. You must make sure that the object is in the same place to make it a fair test. - Measure the size of the shadows and look at the location of them compared to the object. - Write down at least one thing that you noticed has changed.
<p>Technology</p> 	<p>Create a digital poster</p> <ul style="list-style-type: none"> - Use SeeSaw, PowerPoint, Google Slides or Paint to make a poster that teaches younger children how to stay safe online. - You should include at least 3 tips and 2 images.
<p>Engineering</p> 	<p>Marble Run Masterpiece</p> <ul style="list-style-type: none"> - Use any materials around your house (such as cardboard, tubes or foil) to design a marble run. - Try to make the marble travel for at least 10 seconds. - Time your best run – how long can you keep it going for? - Add a video of your attempt onto SeeSaw.
<p>Arts</p> 	<p>Photography Challenge – Patterns in Nature</p> <ul style="list-style-type: none"> - Take some photos of patterns that you can find outdoors. - Choose your favourite and explain why it's interesting. <p>Challenge – can you edit your photograph in Word like we have been learning in Computing? Add a picture of your edits onto SeeSaw.</p>
<p>Maths</p> 	<p>Fraction Pizza Challenge!</p> <p>(Use a piece of paper, paper plate or real pizza!)</p> <ul style="list-style-type: none"> - Divide your pizza into different amounts of equal pieces. - Add toppings to your pizza. - Look carefully at how many pieces of your pizza have each topping. For example, $\frac{1}{2}$ of my pizza has mushrooms, $\frac{1}{4}$ has pepperoni. <p>Challenge – can you explain your pizza using equivalent fractions?</p>

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