




<u>Activity</u>	<u>Instructions</u>	<u>Extension Task</u>
<p>Paper aeroplane launcher</p> 	<p>A few weeks ago, for STEM Friday you experimented with paper aeroplanes and found a design which worked the best. Now make a launcher which should help your plane go even further!</p> <p>Use materials you have at home to create your own or follow this link to find instructions for how to make one.</p> <p>https://www.scientificamerican.com/article/build-a-paper-airplane-launcher/</p>	<p>Measure how far it goes using tape measure or ruler.</p> <p>Have a competition with family members, whose launcher works the best and sends your plane the furthest?</p>
<p>Make your own ice cream</p> 	<p>It has been very hot outside and we all enjoy a nice treat to cool us down.</p> <p>Did you know you can make your own ice cream without using a freezer or special equipment?</p> <p>Follow this link to find out how</p> <p>https://www.stem.org.uk/elibrary/resource/34520</p>	<p>Try making a variety of different flavours or even try mixing flavours and creative a new flavour!</p> <p>Can you use a similar method to make milkshake instead?</p>
<p>Shadow drawing</p> 	<p>Take your art outside in this very sunny weather and make shadow pictures!</p> <p>Choose a variety of items of different shapes and sizes. You could use toys, household items or anything you think will look good. Lie them in a line, facing in a way that they will cast a shadow onto the ground.</p> <p>Then draw around the shadow carefully with chalk.</p>	

Move the items away and see what you have created! You can then add some extra detail to your artwork if you like.

If you do not have chalk, you can lie a piece of paper on the ground and make sure the shadow casts onto that.

Junk model, wind powered car



Use everyday items you have at home to make a wind powered car.

Use what we have learned about friction, air resistance and forces to build a car and add features to it which will catch the wind and move by itself.

Challenge family members to join in and race your cars. Whose idea worked the best? Why do you think that is?

Can you adapt your car so you can steer it too?