



Year 6 Home Learning Challenges

Here's a selection of homework ideas to support the topics we are covering at school. This homework is optional, but we strongly encourage our pupils to share their knowledge and ideas with adults at home so that we can all inspire a love of learning.

Year: 6 Term: Spring 2022 Topics: Light it up!

<p>Speaking, Listening & Writing</p> 	<p>You open a door...another world is on the other side. Describe what is there? What does it look like? Feel like? Are you alone?</p>	<p>What did Thomas Edison invent? Create a fact file about him and his inventions.</p>	<p>A world without electricity? Do you think we could manage this? Write down some of the things that are happening now to move away from electricity and some of your ideas for the future.</p>	<p>The world is being pictured as a gloomy place sometimes at the moment. Write down 10 things that light up your world and make it a better place!</p>	<p>Renewable energy is the future - create a poster persuading people to move towards renewable energy. Back renewable energy</p>
<p>Problems, Science & Maths</p> 	<p>Mathletics - all the Y6 have personal log-ins for Mathletics. Over the course of Y6, it will be important to work independently through all the Y6 units available.</p>	<p>Find out how a rainbow is formed? Try this investigation at home? Take a photo for evidence. https://www.funology.com/make-a-rainbow/</p>	<p>Try this cool light science refraction investigation at home. Post photos of you doing it on Showbie. Refraction investigation</p>	<p>Times tables - pick up some speed tables or the ultimate times table challenge in class. Can you improve your time each week? Use Times Tables Rock Stars online. trockstars.com</p>	<p>How do we see things? Draw a diagram showing how the eye works.</p>
<p>Art & Design</p> 	<p>Can we draw using only straight lines? Watch this artist show you and have a go yourself. Show us your work! Straight line art</p>	<p>Many artists live in the St.Ives bay area as they are inspired by the light bouncing off the sea. Take a sketchbook and draw or paint a local scene by the harbour, estuary or beach.</p>	<p>Redesign a current everyday object that runs off fuel or electricity so that it mainly runs off renewable energy. Present it anyway you like. Renewable energy</p>	<p>Create some artwork inspired by a rainbow. It can be drawn or made. Rainbow art projects for kids</p>	<p>Only electric cars will be sold from 2030. If you could design a car for the future, what would it look like and run on?</p>
<p>Constructing & Creating</p> 	<p>Design and make a sundial. Sundials were used for centuries to tell the time. There are many different ways to create one. Have a search online to find out!</p>	<p>Create static electricity - Can you separate salt and pepper? Can you make water bend? Have a go at these scientific investigations: Static electricity investigations</p>	<p>Create a shadow puppet video. You could use puppets, your hands or objects. You choose the storyline and upload it to Showbie. You can even make the theatre if you like. Shadow puppet theatre</p>	<p>Make a healthy snack which could go in a school packed lunch box. Think about the healthy lifestyles work we have been covering. Take a photo and upload to Showbie.</p>	<p>Create and construct something with an electrical circuit involving a bulb or buzzer for example. It could be linked to our topic work.</p>