

Year 4 Autumn 1 - Electricity Homework Project

In school this half term we are learning about electricity. Here are 9 learning challenges based on this topic. Children should aim to complete as many learning challenges as they wish and bring them in to share with the class. Children will be awarded 5 dojos for each one they complete!

Try to think of different ways to present your work and be as creative as possible! (Some of the challenges may be easier to do later in the half term once the children have more knowledge about electrical circuits.)

<p><u>Challenge 1</u> Research a famous scientist who created an important electrical invention and present your findings.</p>	<p><u>Challenge 2</u> Invent your own electrical item that has not yet been invented! Explain how it would be used, with pictures and labels.</p>	<p><u>Challenge 3</u> Make a list of as many electrical items you can find in your home as you can.</p>
<p><u>Challenge 4</u> Think about your usual day to day routine and record all the different ways you use electricity.</p>	<p><u>Challenge 5</u> Write about how different your life would be without electricity. What would you miss the most?</p>	<p><u>Challenge 6</u> Create a poster explaining the difference between a complete and incomplete circuit.</p>
<p><u>Challenge 7</u> Write a set of instructions on how to build an electrical circuit.</p>	<p><u>Challenge 8</u> Plan this online electrical safety game https://www.switchedonkids.org.uk/electrical-safety-in-your-home</p>	<p><u>Challenge 9</u> Design and create your own switch to be used in a circuit.</p>