

**Bowmansgreen Primary School**  
**Year 4 – Home Learning Grid**  
**Autumn Term 2**



Choose one Home Learning activity to complete each week. You can choose which task to complete and the order in which you do so. Once you have completed an activity, please ask a parent/carer to initial and date in the appropriate space. You may wish to include photographs of larger pieces of work and/or practical activities. Home learning is to be handed in by **Tuesday** each week.

<p style="text-align: center;"><b><u>Task One</u></b></p> <p>You will need to watch the following video on BBC Bitesize:  <a href="https://www.bbc.com/bitesize/articles/zs7g4j6">https://www.bbc.com/bitesize/articles/zs7g4j6</a>            Draw and label a diagram of a circuit with a lit bulb. Your diagram must include these key symbols: wire, bulb, switch and battery.</p> <p><b><u>Challenge!</u></b>            Can you draw another circuit with the switch open? In which circuit would the bulb be glowing? Why?</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>	<p style="text-align: center;"><b><u>Task Two</u></b></p> <p>You will need to research materials that are good conductors of electricity and ones that are good insulators. (Try and find at least six of each.)  <a href="https://www.bbc.com/bitesize/articles/zxv482p">https://www.bbc.com/bitesize/articles/zxv482p</a>            Write your research up in a table.</p> <p><b><u>Challenge!</u></b>            Can you design a safety suit that would not conduct electricity? Make sure you choose a material that would be a good insulator.</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>	<p style="text-align: center;"><b><u>Task Three</u></b></p> <p>You will need to make an electricity safety poster for a room in your home. Make sure you include dos and don'ts on your poster.  <a href="http://www.switchedonkids.org.uk/electrical-safety-in-your-home">http://www.switchedonkids.org.uk/electrical-safety-in-your-home</a></p> <p><b><u>Challenge!</u></b>            Can you present your poster to your family and teach them about being safe with electricity? If you can, take a photo of you doing this.</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>	<p style="text-align: center;"><b><u>Task Four</u></b></p> <p>You will need to draw a diagram of the earth's layers, including the: crust, upper mantle, lower mantle, outer core and inner core.  <a href="https://www.natgeokids.com/uk/discover/%20/%20geography/physical-geography/structure-of-the-earth/">https://www.natgeokids.com/uk/discover/%20/%20geography/physical-geography/structure-of-the-earth/</a></p> <p><b><u>Challenge!</u></b>            Can you create a 3D model of the five different layers that the Earth is made of?</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>
<p style="text-align: center;"><b><u>Task Five</u></b></p> <p>You will need to define a volcano, tsunami and an earthquake. Then research the names of two volcanoes, two tsunamis and two earthquakes and where they happened.  <a href="https://superbrainybeans.com/geography/earthquakes/">https://superbrainybeans.com/geography/earthquakes/</a>  <i>(You can also use the tabs on volcanoes and tsunamis to help you.)</i></p> <p><b><u>Challenge!</u></b>            Can you bake a volcano or earthquake cake? Take a picture and stick it in your book. (Don't forget, your teachers like to try your cake!)</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>	<p style="text-align: center;"><b><u>Task Six</u></b></p> <p>You will need to create an advert for a holiday to visit a dormant volcano. You need to include its location and key features, as well as persuasive selling points. Your advert must be at least two paragraphs in length.  <a href="https://www.bbc.com/bitesize/clips/zhfr87h">https://www.bbc.com/bitesize/clips/zhfr87h</a></p> <p><b><u>Challenge!</u></b>            Can you explain the difference between a dormant and an active volcano and the dangers of living near an active volcano?</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>	<p style="text-align: center;"><b><u>Task Seven</u></b></p> <p>You will need to create an earthquake survival pack. Please take a photograph of your survival pack or draw a picture of it. Then, label the items you have chosen to include.  <a href="http://www.weatherwizkids.com/weather-safety-earthquake.htm">http://www.weatherwizkids.com/weather-safety-earthquake.htm</a></p> <p><b><u>Challenge!</u></b>            Can you write a safety instruction manual about what to do in the event of an earthquake?</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>	<p style="text-align: center;"><b><u>Task Eight</u></b></p> <p>You will need to write a two paragraph report on the eruption of the volcano Eyjafjallajökull. Make sure you include: when it happened, where it happened, what volcanic ash is and the effect it had on Iceland.  <a href="http://news.bbc.co.uk/cbbcnews/hi/newsid_8640000/newsid_8644500/8644587.stm">http://news.bbc.co.uk/cbbcnews/hi/newsid_8640000/newsid_8644500/8644587.stm</a></p> <p><b><u>Challenge!</u></b>            Can you include an extra paragraph in your report about the effect the eruption had on aeroplanes?</p> <p><b><i>Parent/carer signature and date:</i></b>            .....</p>

