

British Science Week Homework Grid (8th-17th March 2024)

This week is British Science Week. The theme this year is 'Time.' To help celebrate this, our homework this week will centre around this topic. Select one task (or more!) from the grid below to complete. We would **love** to see what you get up to, so please do send in any pictures, videos, posters, information leaflets etc. that you make.

CHALLENGE: Can you think of your own task/project/experiment that focuses on time?

Activity	Details
<p>Explore: make your own 30 second timer.</p>	<p>Can you explore how to make your own timer? Firstly, think about what timers are and how they work. Then, think about what materials and resources you may need?!</p> <p><i>*Hint*</i> - there are lots of useful websites and videos online which you can explore to help you out here!</p>
<p>Question of the week: How long ago were these inventions?</p>	<p>How long ago were these discoveries or inventions...The bicycle? The Steam train? Velcro? Chocolate? Can you place your discoveries on a timeline?</p> <p><i>*Extension*</i> - Are there any other cool/interesting inventions you can add to your timeline? What is the oldest scientific discovery you can find? What scientific discoveries are happening now?</p>
<p>Challenge of the week: Can you find a way to measure exactly 30 seconds?</p>	<p>Investigate things that could be used as a timer, e.g. rolling a ball along the floor between two people – how many rolls in 30 seconds? Can you make something that will time 30 seconds more accurately, e.g. a pendulum, a marble run?</p>
<p>Discover: How seasons change through time.</p>	<p>What season are we in now? Are we experiencing the weather we would typically 'expect' in this season? Record or discuss this however you would like. For example, take pictures, explore the plants in your garden/local area, create a weather diary, draw a season's poster.</p> <p><i>*Hint*</i> - The following link has some ideas to follow: https://explorify.uk/teacher-support/helpful-reads/explorify-at-home-earth-seasons-and-time</p>
<p>Investigate reaction times: Which of your hands is faster to react?</p>	<p>Follow the link to help you complete your investigation: https://www.npl.co.uk/skills-learning/measurement-at-home/reaction-time/mah12-reaction-time-worksheet.aspx</p> <p><i>*Extension*</i> - Can you expand your investigation to compare the reaction times of others in your family?</p>