

WHISTLESTOP SCIENCE WEEK



A ready-to-go mini science week based on **time**

	ACTIVITY	DETAILS AND LINKS TO RESOURCES
MONDAY	Explore making your own 30 second timer	PSTT's Starters for Science Video 11. <u>Pendulum Timers</u> www.pstt.org.uk/resources/curriculum-materials/Starters-for-Science
TUESDAY	Question of the week: How long ago?	Set the question – How long ago were these discoveries or inventions: The bicycle? The Steam train? Velcro? Chocolate? Anything else? What is the oldest scientific discovery you can find? What scientific discoveries are happening now? Can you place your discoveries on a timeline?
WEDNESDAY	Challenge of the week: Can you find a way to measure exactly 30 seconds?	Set the challenge – 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 sand timer, a pendulum, a marble run?
THURSDAY	Discover more about how seasons change through time	Explorify at Home: <u>Seasons and Time</u> www.explorify.wellcome.ac.uk/blog/explorify-at-home-earth-seasons-and-time
FRIDAY	Investigate reaction times – which of your hands is faster to react?	National Physical Laboratory – <u>Reaction Times</u> www.npl.co.uk/skills-learning/measurement-at-home/reaction-time/mah12-reaction-time-worksheet.aspx

WHAT TO DO

- * Choose your activities - for the week, for a day, or for anything in-between
- * Add or swap in any extra activities from the list overleaf
- * Download the resources and share with teachers, children and families

Encourage the children to share what they have been doing and finding out

draw pictures, take photos, make voice recordings, film videos, create a scrap book, keep a diary, make a model, phone a friend or relative

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ADDITIONAL OR ALTERNATIVE ACTIVITIES

PSTT	<p><u>Finding Stardust</u> - learn more about micrometeorites and how to find space dust in your local area – PSTT WhyHow Newsletter Spring 2021 www.pstt.org.uk/what-we-do/why-how-newsletter</p> <p>How many seconds will your straw plane stay in the air? Which design will fly for the longest time? Starters for Science Video 2. <u>Straw Planes</u> www.pstt.org.uk/resources/curriculum-materials/Starters-for-Science</p> <p>Find out more about the geological history of the Earth with activities from the <u>Big Jurassic Classroom</u> www.pstt.org.uk/resources/curriculum-materials/big-jurassic-classroom</p>
PSTT/WOW Science	<p><u>Why do we move our clocks forward and back</u> – find out more and learn how to make a sundial to tell the time www.wowscience.co.uk/why-do-we-move-our-clocks-forward-blog-post-by-kulvinder-johal/</p>
STEM Learning	<p><u>How did time begin?</u> Explore the evidence for the Big Bang Theory www.stem.org.uk/resources/elibrary/resource/26892/big-bang-evidence-suitable-home-teaching</p>
The Ogden Trust	<p><u>How have scientific ideas changed over time?</u> Find out more with these research cards, full of pictures and information www.ogdentrust.com/resources/resources?type=&age=&series=ideas-over-time</p>

What science conversations will happen during your Whistlestop Science Week?
Why not share them @pstt_whyhow or at the Great Science Share for Schools?

IMPORTANT NOTICE: The Primary Science Teaching Trust is not liable for the actions or activity of any person who uses the information in this resource. The Primary Science Teaching Trust assumes no liability with regard to injuries or damage to property that may occur as a result of using the information and carrying out the practical activities contained in this resource or in any of the suggested further resources. These activities are designed to be carried out by children working with a parent, guardian, teacher or other appropriate adult. The adult involved is fully responsible for ensuring that the activities are carried out safely.

