

Educator's Info

Thank you for your interest in Navigating Our World.

This workshop was developed by the Learning Team at Dynamic Earth, with funding from Maths Week Scotland, to highlight the maths in the world around us and relate it to topics such as space, map reading, and world history.

In this workshop we give an introduction to navigation; discuss the history and uses of latitude and longitude; visit Edinburgh's One O'clock Gun and discuss the speed of sound; look at how satellite navigation works; and wrap it all up with a timeline of the entire history of navigation.



A note on risk assessing:

We have tried to ensure all activities are safe and suitable for learners aged S1-3, however, as we don't know your spaces please make sure you test out or assess the activities yourself.

If you have any questions about the activities, please feel free to get in touch with us at enquiries@dynamicearth.co.uk and mention the Navigating Our World workshop.

Workshop format

This workshop will be available online, on-demand, for free, from the start of Maths Week Scotland 2021: Monday the 27th of September until forever more.

It comprises five videos interspersed with 4 PDF resource packs. These packs contain additional information and plenty of activities to complement the video content.

Some activities will need an outdoor space (a large hall will probably also work), but all are designed not to need any specialist equipment beyond pen, paper, metre rulers, tape measures, stopwatches, compasses, and bean bags/cones.

Some of the indoor activities will require downloading free software or apps, so please check your school's IT will allow this.

The workshop could be run in one go as roughly a day's worth of activities, or each video and supporting activity pack could be run as a single lesson.

Please see the curriculum links document for how these activities will fit into the curriculum.