

Science Investigations: suggested homework ideas

Elaine Dixon has collated a few interesting STEM (Science, Technology, Engineering & Maths) type activities that are linked to Spring term's Foundation topic:

The Great, The Bold and The Brave.

The intention is to encourage a love of Science and investigative processes. We have been doing lots of science investigations recently.

You might like to try these at home. Building a working sundial activity also links well to another of this term's topic: Light.

Feel free to adapt any of the suggested activities below.

Can you make a working catapult?

The Romans used a variety of catapults alongside swords and shields to attack their enemies. Investigate ways to make a working catapult – who can fire theirs the furthest?

Web links for ideas...

<https://www.youtube.com/watch?v=gwtMl6v9lug> YouTube video for a simple catapult

<https://www.youtube.com/watch?v=u2Zsa7i8-i0>

https://www.youtube.com/watch?v=WpLFC_SOpXs

Can you make a working sundial?

The Romans used sunlight to keep an accurate track on time. How did they do this? Can you make a similar tool to measure the passing of time accurately?

Investigate different designs and create your own working version.

Web links for ideas...

<http://www.raisingarizonakids.com/2015/06/how-to-make-sundial-clock/>

<https://www.youtube.com/watch?v=CsaV90smywQ> Child made YouTube video – How to make a sundial.

<https://www.youtube.com/watch?v=oSMsX7cwzjk> Step by step written instructions.

<https://www.youtube.com/watch?v=BTedGEZiSuk> Make a LEGO sundial

<https://www.youtube.com/watch?v=lCL2f-KlnWI> Make a sundial using a CD and CD case