How To...

Day 30: Celebrate the Royal Astronomical Society's 200th birthday!

Ask and answer scientific questions about space, the moon, the planets, space travel and the stars

Can you count the stars? How far would a rocket mouse go?

Ideas

Create and build a rocket mouse using a plastic milk bottle and some paper. How far can it travel?

Find out about the moon and the moon landings.

Research the planets and our solar system and make a model of it or create a poster or information leaflet.

'Estimate the stars' using images from the Hubble telescope.

Create a piece of art all about space.

Questions

What materials are the 'best' for spacesuits? What properties do they need to have?

What effect does UV light have on the human body?

How are craters formed on the moon? Can you investigate them?

How can we tell the time without a clock or a watch? (or a phone or iPad!)

What factors affect shadows?

Links to Resources and Investigations

Rocket Mice - https://learning.sciencemuseumgroup.org.uk/resources/rocket-mice/
Making craters - https://www.science-sparks.com/craters/
Moon landing card sort - https://www.ogdentrust.com/resources/timeline-card-sort-game-moon-landings
More moon landings - https://www.ogdentrust.com/resources/research-cards-moon-landings
Playdough planets - https://www.ogdentrust.com/resources/phizzi-practicals-playdough-planets

Shadow size - https://www.stem.org.uk/resources/elibrary/resource/315603/what-factors-affect-size-shadow-shadow-theatre

Time and sundials - https://communityforest.org.uk/treesforlearning/wp-content/uploads/2019/08/Natural-Time-And-Sundials.pdf

UV light and materials for spacesuits - https://edu.rsc.org/resources/mission-starlight/2073.article

Counting stars using the Hubble telescope - https://education.theiet.org/secondary/teaching-resources/counting-stars-using-estimation/

Space art collage - https://www.sunspaceart.org/art-worksheets/mixed-media-abstract-collages/