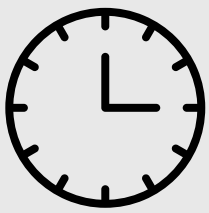
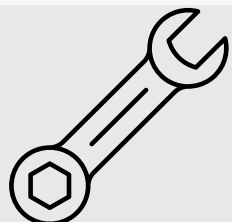
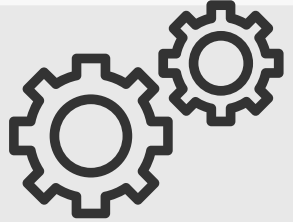


Rockets

Image credit: Alan Giltinan BCO

Keywords	Level	Time	Core Skills	Activity Type
				
Forces, motion	Senior Primary 3rd - 6th	1.5 h	Modelling Inquiry activity	Science experiments

Activity Summary

Students will design and test foam rockets and straw paper rockets. Students will use mathematical skills to measure and assemble rockets, then test to see how different factors affect the flight of the rocket.

Children will,

- Investigate how forces act on objects
- Identify and explore how objects and materials may be moved.

- Come to appreciate that gravity is a force.
- Investigate how materials may be used in construction.

This workshop can be made accessible to younger children with varying levels of prepreparing materials.

Learning Objectives and Curricular Links

Science: Materials: Materials and Change Science: Energy and Forces: Force

Materials

Foam Rockets: foam pipe insulation, duct tape, elastic band, cardboard

Straw Rockets: paper, straws, masking tape

Background Information / Skills required

- ESA's Up, Up, Up worksheets include background information about rockets: [Teacher Guide](#) , [Pupil Worksheets](#)
- [ESA Kids](#)

Additional Information / Follow on Activities

- DPSM activities on the theme of rockets include:
- [Make a Rocket](#) - a Pop Rocket powered by a fizzy tablet
- [Rocket Launch](#) - balloon on string rocket
- [Rocket Mouse](#) - is suitable for younger children
- [Heavy Lifters](#) - from Space Week