

Learning objectives

- Recognise that most materials can be separated into solid, liquid and gas
- Understand that materials change when mixed, heated, or cooled
- Gain an appreciation that some changes are reversible, while some are irreversible
- Recognise melting and freezing are reversible changes
- Recognise burning as a non-reversible change that results in the formation of new materials

Workshop content - students will:

- Explore non-Newtonian materials with slime!
- Enjoy demonstrations using dry ice
- Watch the incineration of a rice crispy
- Be involved in the preparation of (and take away to eat) rice crispy cakes
- Make their own pop rockets
- Perform an experiment to make cheese

National Curriculum links

Sc1 Scientific enquiry

Sc3 Materials and their properties

2) Forces and motion

- a. to describe changes that occur when materials are mixed
- b. to describe changes that occur when materials are heated and cooled
- d. about reversible changes including dissolving, melting, boiling, condensing, freezing and evaporating
- f. that non-reversible changes result in forming new materials that may be useful
- g. that burning materials result in the formation of new materials and this change is not usually reversible

Picture gallery



Be amazed by dry ice demonstrations



Experiment to make cheese