

EDIBLE METEORITES



OVERVIEW

In this lesson, students will learn about the properties of the different types of meteorites.

They will then use this knowledge to make their own edible analogue of a chondrite meteorite to test their understanding.

This lesson can be used as a general introduction to meteorites prior to obtaining the loan box.

CURRICULUM LINKS

Observing objects, using simple equipment making accurate measurements using standard units using a range of equipment.

Classification.

Meteorite properties and origin.

Creating a model of a scientific object.

WHAT YOU NEED

A8 powerpoint

8.1 Edible meteorites worksheet

8.2 Meteorites! worksheet

8.3 Edible meteorites teacher sheet

Ingredients to make edible meteorites (please see teacher sheet)



8.3 Edible meteorites teacher sheet

EDIBLE METEORITES



STARTER

Go through the what is a meteorite slides with the students, focusing on how the names of the object change depending on whether they are in space, in the atmosphere, or on the Earth.

Introduce the idea that there are different types of meteorite, classified by what they are made of.



A8 PowerPoint



MAIN ACTIVITY 1

Hand out worksheets 8.1 to the students, and as you go through the presentation, ask them to complete and label the key features of the different types of meteorites. Tell them that they will be making an edible model of a chondrite meteorite and will need to label this, so they need to pay attention.



8.1 Meteorites! & 8.2 Edible meteorites



MAIN ACTIVITY 2

Students follow the instructions on the sheet to make their own edible meteorites.

These will then be allowed to cool and set, and at the end of the lesson/start of the next lesson they can cut through their meteorites and compare them to a real chondrite, drawing a picture of their meteorite and labelling it.

Students will need to be accompanied for this activity, so it is recommended that

a part of the classroom gets turned into a 'meteorite kitchen' so that the students can be together for this.



PLENARY

Ask the students to draw a comic strip detailing the journey of a meteorite from the Asteroid Belt to the surface

of the Earth. Ask them to include some of the key words from their worksheet.