#### **LESSON PLAN**

# **EDIBLE MODEL ROCKS**



# **OVERVIEW**

In this activity, students will learn about the three main types of Earth rocks and make edible analogues to help explain how they form.

They will then use the ideas from this activity to investigate and suggest what some of the samples in the meteorite hunters boxes might be. **URRICULUM LINKS** 

Performing simple tests.

Identifying and classifying.

Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Compare and group together a variety of everyday materials on the basis of their simple physical properties.

### WHAT YOU NEED

- Meteorite hunter's boxes
- A4 PowerPoint
- 4.1 Edible rock diagram sheet
- 4.2 Rock making guide
- 4.3 Rock bingo cards
- **Clear plastic cups** (one per group shot glasses are best)
  - **Different coloured Fondant icing** (sliced up before the lesson)
  - **Coloured sprinkles**
  - Different types of biscuit crumbs
    - Mini marshmallows, chocolate
    - Plastic (microwavable) bowl and spoon
    - **Clear resealable sandwich bags** (one per group)



### STARTER

Using the powerpoint to help, introduce the three main different types of rock and how they are formed.

Explain that students are going to make edible versions of these to explain how they form. Hand out some of the rock samples to students to look at. As a class discuss what they look like and feel like and create a word bank of key words on the white board.



A4 PowerPoint

#### **LESSON PLAN**

#### **EDIBLE SPACE ROCKS**





## MAIN ACTIVITY

Use sheet 4.2 – Rock making guide to see how to make the edible rocks. For this activity work as a class to

make the igneous rock sample. This requires a large amount of time to cool, so it is best to start with this one.

In small groups of 2 or 3, students can then make the metamorphic and sedimentary rocks.

Pupils can then work in groups to draw a diagram of each of their different types of rocks using sheet 4.1.





# PLENARY

Ask pupils to look at the following rock samples from the meteorite hunter's boxes using the hand lenses:

#### Dark blue

Black

Pink Red

Reu

#### Yellow

#### Brown.

(You may wish to remove these beforehand and place in a separate tray to aid counting back in).

Ask them to guess which types of rock they might be on the basis of the activity they have just done.

### **EXTENSION**

Play a game of rock bingo using cards 4.3



ROCKS

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