

YETI STEM

SCIENCE TECHNOLOGY ENGINEERING MATHS

HOW ARE CRATERS MADE?

Did you know that the Moon has millions of craters, created when meteors crashed into it's surface? Some, are just a couple of meters wide and others are hundreds of kilometres across! Why don't you try this experiment at home to see how meteors were created.

You will need:

- . A Shallow Metal Tray or Pan
- . Flour
- . Powdered Drinking Chocolate
- . Different Sized Balls and Marbles

1. Fill the tray or pan with flour a couple of centimetres deep.
2. Lightly sprinkle drinking chocolate on the top to cover the surface.
3. Drop the balls and marbles onto the tray or pan and watch as the flour is brought to the surface making 'craters'. The white flour represents the rocks and dust below the Moon's surface.

Further Investigation:

Set up your tray again and choose one marble. Try dropping it from different heights to see if falling from a higher height makes a difference. The higher you release the marble, the faster it will be traveling when it hits the tray.

