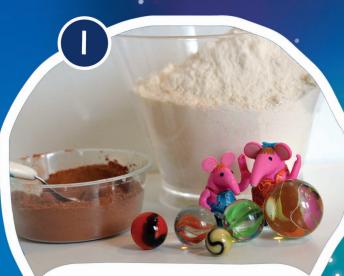


MAKING MOON CRATERS!

LIKE THE CLANGERS PLANET, THE SURFACE OF THE MOON HAS MILLIONS OF CRATERS. SOME ARE JUST A FEW METRES LONG AND SOME HUNDREDS OF KILOMETRES! THIS ACTIVITY DEMONSTRATES HOW CRATERS CAN FORM.



GRTHER ALL YOUR MATERIALS YOU WILL NEED:

- DIFFERENT SIZED MARBLES OR BALLS
 - DRINKING CHOCOLATE POWDER
 - A MEDIUM SIZED TRAY
 - FLOUR



FILL THE PRN RBOUT 2 CM DEEP WITH FLOUR RND LIGHTLY FLATTEN THE SURFACE. NOW SPRINKLE SOME CHOCOLATE POWDER OVER THE FLOUR SO IT COVERS THE ENTIRE SURFACE.



DROP R MARBLE INTO THE TRAY,
OBSERVING THE SIZE AND SHAPE OF
THE CRATER YOU'VE CREATED!









TRY DROPPING DIFFERENT SIZED
MARBLES AND BALLS INTO THE TRAY
AND COMPARE THE DIFFERENCE IN
SIZE AND DEPTH OF THE CRATERS.



SEE IF YOU CAN PREDICT THE SIZE OF THE CRATER IF YOU DROP THE SAME MARBLE FROM DIFFERENT HEIGHTS.



IF YOU DROP THE SAME MARBLE
FROM DIFFERENT HEIGHTS, THE ONE
THAT HAS FURTHEST TO FALL WILL
BE LARGER. IT HAS MORE ENERGY,
MAKING THE CRATER BIGGER!



Thanks to Emma from Science Sparks, a website full of fun, creative and inspiring science activity ideas for kids. www.science-sparks.com