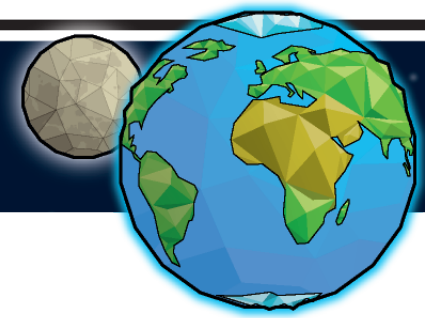


4.2 EDIBLE ROCK MAKING GUIDE



SEDIMENTARY ROCK

These are formed from deposits settling at the bottom of seas, lakes and rivers.

-  Water bed: for this use blue fondant icing (have slices ready at the beginning of the class)
-  Fossilized bones (possibly dinosaurs): for this you can use coloured sprinkles.
-  The bones get covered in layers of mud and sediment. For this use vanilla yoghurt and alternate with layers of chocolate mousse until you have up to six layers.
-  Pupils can then look through the side of the cup and describe what they see – layers built up over time, just like with sedimentary rocks.

METAMORPHIC ROCK

These are rocks that have been changed by heat and pressure.

-  For this you will need different coloured fondant icing (3 or more colours).
-  Have slices of coloured icing portioned out ready for each group (if you want to eat these later you will need to use a plastic bag and make sure that pupils wash their hands first).
-  Squeeze and fold the layers of icing.
-  Once the rocks have been made, cut them in half and describe what can be seen – can you see swirls or layers where the rocks have been pushed together?

IGNEOUS ROCK

These are formed when molten (melted) rock or magma is cooled.

-  Children to mix up mini marshmallows, broken up biscuits and chocolate drops in a heat-proof bowl.
-  An adult will then need to heat for long enough to melt the chocolate and then leave until it has solidified again. This may be towards the end of the session.

! **WARNING!** Check with your teacher about food allergies before you do this activity. **!**