

Here are some ideas for how you could 'make' your own mountains. If you don't have the materials for these, be creative and see how else you could make your mountains.

Fold mountains

Have three materials in front of you for example three t-shirts.

Push from the outside of the materials in until they make a fold.

How easily do they fold?

What kinds of fold do they make?

What difference, if any, does using different types of material make?

Make a note of anything else you find interesting.

Fault block mountain

WASH YOUR HANDS!

Have a chocolate crispy slab that represents the rocks in the Earth's plates. Break it in half by pulling the two sides apart.

What happens to the 'rocks' in the middle?

Have all the 'rocks' moved downwards?

How many have moved upwards?

What would happen if you tried to push the plates back together again?

Make a note of anything else you find interesting.

Dome mountain

<https://www.youtube.com/watch?v=KL8fAnK6y6k>

Watch this video to see how you could make a dome mountain. If you don't have these materials at home, think about how you could use what you have to make a similar model.

Volcanic Mountain

WASH YOUR HANDS!

Get some aluminium foil and a bag with red icing in it.

Put the tin foil flat across the icing bag then slowly move the bag upwards. Make a small hole in the foil and release the icing.

Note what happens

Does the icing stay in one place?

What will happen if the icing dries?

What will happen if the icing is then pushed out again?

What happens to the tin foil?

What happens to the icing?

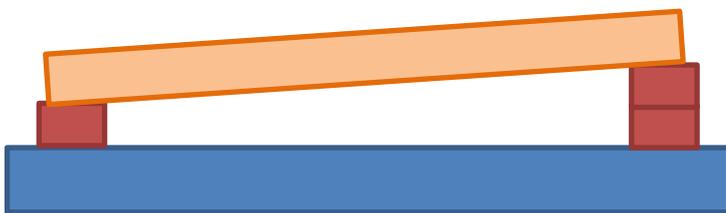
Make a note of anything else you find interesting.

Plateau mountains

You have some blocks, a tray of sand, a larger tray and a jug of water.

Put the tray of sand inside the larger tray.

Put your blocks so your tray of sand is slightly higher at one end than at the other.



Slowly pour the water into the higher end of the sand tray.

What happens to the sand?

What happens to the water?

If you carried on pouring the water what would happen?

Make a note of anything else you find interesting.

Use this space to describe how each type of mountain is formed

Fold mountains

Fault-block mountains

Dome mountains

Volcanic mountains

Plateau mountains