

Science - Year 2

Uses of Everyday Materials – Block 2UEM

Materials Matter

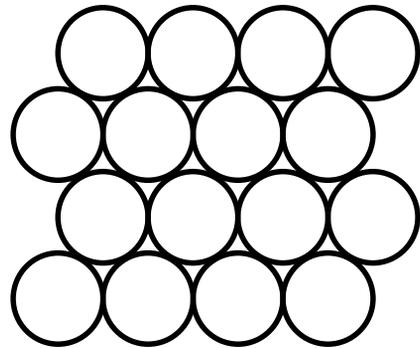
Session 6

Resource Pack

Particles Role-Play

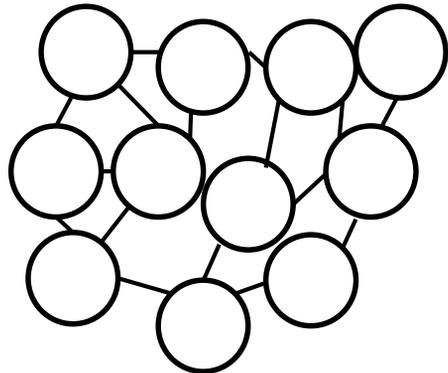
Ask the children to make a solid object by standing closely together, linking arms and in rows.

Say: Each one of you is a particle; that is, a tiny part of a solid object. Everything is made up of particles. All solid things are made of particles that are linked tightly together.



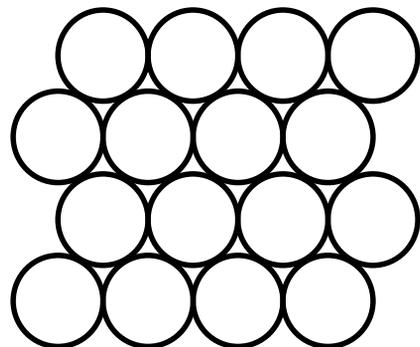
Ask the children to move apart a bit, at arms length and holding hands.

Say: When some solids are heated up, (e.g. chocolate or wax) they start to melt. They turn from a solid object to a liquid one. The particles get warm and move around. They are still linked but aren't packed together tightly any more.



Ask the children to move around together, holding hands but moving more fluidly than before.

Then ask the children to cool down; that is, slow down and start to move more closely together. You may want to encourage them to form a different shape than they were in before. They still need to be standing close together, but can be forming a different shape.





- 1. Peel the paper wrappers off the crayons.**
- 2. Sort the crayons according to colour.**
- 3. Use a pair of scissors to cut the crayons into smaller pieces (about 1 cm long).**
- 4. Put the crayon pieces into a microwave-safe container.** You can use a glass jar or even an old coffee mug.
- 5. Microwave the crayons for 2 minutes, pausing every 30 seconds to stir.** Do not step away from the microwave; keep an eye on the melting crayons. Each microwave is different, and your crayons may melt sooner.
- 6. Pour into silicone moulds and leave to set.** Be very careful when you are pouring – the wax will be very hot.