

Summer of STEM

Junk Modelling

Challenge:
Use recycled materials to build a model.



Materials you might need:

Cereal boxes

Cardboard tubes

Paper

Pens and pencils

Crisp tubes

Sticky tape

Paper cups

Scissors

Plastic bottles

Glue

Turn over for ideas!

an aeroplane

a forest

a house

a boat

a rocket



a castle

an animal

a playground

When you've finished
your challenge, take a
picture and upload it to
our website!

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Sweets experiment



Challenge:

1. Place sweets (like Skittles) around the edge of the plate.
2. Gently pour water into the middle of the plate until it touches the sweets.
3. Wait and see what happens (it might take a while).

Turn over for more ideas!

Science is about asking questions

How many colours can you see?

Does it work with different types of sweets?

What happens if you use warm water?

What do you think the sweets are made of?

What do you think is happening?

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House sparrow



Wood pigeon



Goldcrest



Common Gull



Swallow

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Bird watching

Find a quiet place to watch and listen. A garden, woods or park is ideal. Sit patiently and make a note of any birds that you see. You can tick the common birds shown on this postcard when you spot them.



Dunnock



Jay



Magpie



Blackbird



Blue tit



Starling



Robin

Science is about asking questions

Where did you find the most birds?

Do all the birds make the same sounds?

Can you find out what different birds eat?

Do the birds have anything in common?

Can you draw a bird?

Can you make a bird feeder out of a plastic bottle?

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