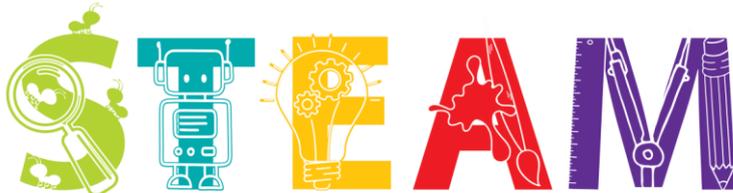


WHOLE SCHOOL SPRING PROJECT!



Science • Technology • Engineering • Arts • Mathematics

Complete any or all of these fun challenges with your families this holiday! Please send your photos to rgreaves@pauntley.gloucs.sch.uk

S

Question, experiment, test and observe

Scraps re-growth!

Have a go at some self-sustainable food growing! Celery is one of the easiest plants to regrow from scraps. You simply have to cut off the bottom of the celery and place it in a shallow container with a little warm water in the bottom. The bowl should be kept in a sunny and relatively warm place. After a week or so, leaves will begin to grow, and you can wait and harvest these as required, or replant the celery in your garden and allow it to grow into another full-sized plant. Which other vegetable scraps can you regrow? We can't wait to see your efforts!



T

Process and connect information

Microscope Apps!

Have you ever looked at the world up close? You may have a physical magnifying glass or microscope at home but if not, below are some app suggestions for your devices at home. Send us your zoomed in images, photos of yourself using your own magnifying equipment, or both!
What do you notice about the textures of different man-made items? Why are these surfaces manufactured like this?
Supervision+ , Magnifier and Microscopes, Magnifying Glass + Flashlight (all available on Apple Store or Google Play).



E

Invent, evaluate and improve

Paper Plane Launcher!

To make the launcher, you'll need a wooden board and two large nails - ADULT SUPERVISION NEEDED WITH THESE MATERIALS but what else could you use if these aren't available? The planes work best launched at an angle, so what is the best angle and what will you use to create it? With an elastic band stretched between the nails and a paperclip on the nose of the plane, you're ready for the launch! Building and testing the planes involves all kinds of science, too - what does your greatest distance measure in at?



A

Explore and express

Snack Art!

Usually it's not good manners to play with your food, but how fun would it be to make an image from your snack before you eat it? The possibilities are endless with this activity... What will you create?
A landscape, an animal, a season, words, slogans, an imitation of a famous piece of art, your own face...

Will you need to find snacks of a particular colour? Will you use whole snacks or find a way to change the shape of them? How healthy is your snack art?



M

Use tools and structures

Let's Count!

Use the data collected from the previous two census' (on the reverse) to create a graph - either hand drawn or digitally! Can you predict what this year's data will look like (assuming it follows a trend)?

Alternatively, inspired by the recent Great British Bird Watch, can you make a pictogram of how many different birds you've seen in your garden? There's an ID guide on the reverse to help you spot them!

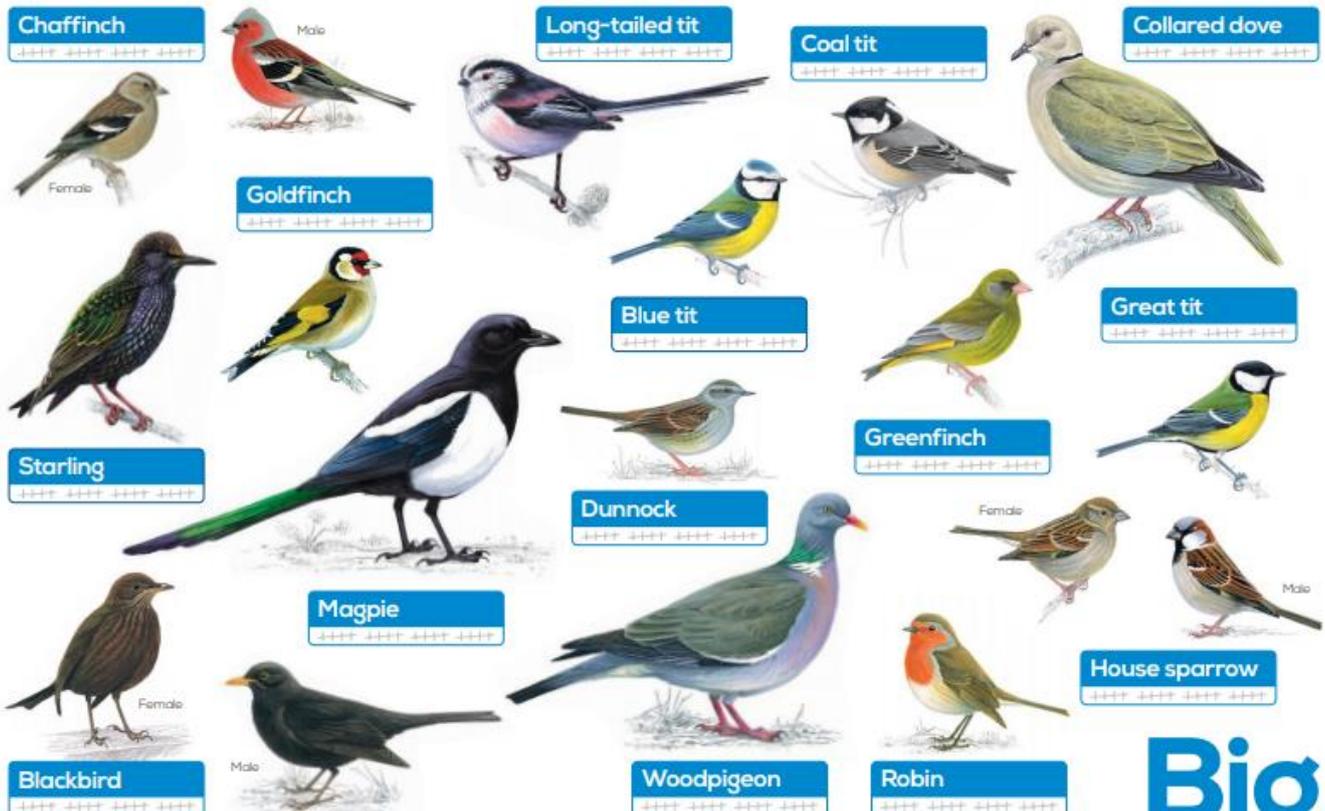


Let's compare the 2001 and 2011 census in our area.

Let's count the children in this area from the last two censuses.
Which group has fewer? Which have more?
Which shows the biggest change?



Ages of Children	From Census 2001	From Census 2011
Children aged 0 to 4 years	695	741
Children aged 5 to 7 years	527	486
Children aged 8 to 9	344	266
Children aged 10 - 14	936	831



These are some of the birds that you might see. You can use the tally to help you count. You'll find lots of tips on identifying birds as well as their calls at rspb.org.uk/birdwatch

The RSPB is a registered charity in England and Wales 207076, in Scotland SC037654.

Illustrations by Mike Langman (rspb-images.com)

Big
Garden
Birdwatch
29-31 January 2021