**Family Gardening Challenge**

**So many of you have been enjoying growing things in your garden already.**

**Who will take on the family gardening challenge this Summer?**

**The Family Challenge:**

**Who can grow the tallest sunflower/ greatest length of runner bean/ greatest number of broad beans?**

Science

* Investigate the question "Which conditions are best for a plant to grow?".
* Decide whether to grow sunflowers, broad beans, runner beans.... Everyone must choose the same plant to make the test fair.
* Decide how many seeds each person has to grow.  I would suggest 6.
* Then decide on the different places you will place the planted seeds in order to test the question.
* Will a seed placed in the fridge grow more quickly than one placed in the dark?

Art

* Make your own pot
* Decorate your pots
* Draw your plants as they grow
* Create a watercolour of your adult plant
* Photograph the different stages of your plants growth
* Can you make a time-lapse video of your plant?

English

* Keep a diary of your challenge.
* Write about the different stages of your plant's growth.
* Describe what it looks like.
* Write a poem about it.

Maths

* Record the growth of your plants in a table.
* Measure them at the same time every week.
* Keep a record of how many beans you harvest - you could weigh them or count them or both.
* When you have finished, use the data in your table to draw a graph.  Which kind of graph would be best?  A bar chart?  A line graph?  Why?

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*Ideas provided by the fantastic Mrs Haylock who many of you will remember!*