

Dear Year 5,

How are you? We are missing you at school very much and you are in our thoughts. It really isn't the same without you. We love to know how you are so please continue to email us or add your learning to the blogs. We still want to see photos of your written work and learning that you are proud of.

This week we have added both an art and DT lesson; please don't feel you have to complete both. The DT lesson needs you to use different equipment that you may not have at home; we do not expect you to have to buy this. However, we felt some of you might like to make and test different materials.

This week:

**Maths:** Please continue with the White Rose Maths as well as your Mathematics homework.

**English:** Please continue with the Hamilton Trust learning. Don't forget to keep learning your spellings on Readitwriter.

**History:** This is our last week for this subject, so we are recapping the history of crime and punishment and comparing it to today. Read through the slides. How much can you remember about the different periods?

Please create your own poster or information booklet about crime and punishment throughout history. Can you make links between each period?

**Art:** This is a lesson for you to follow and then create a piece of art all about circles. How many circular objects can you think of? You will need to use your imagination and creativity to beat this challenge!

<https://classroom.thenational.academy/lessons/the-circle-challenge>

**Design and Technology:** Did you make the different cams last week? How did they work? Read through the slides. Choose one or two of the challenge cards to work through. Can you make as sturdy a structure as possible with the materials? How well did they work? What ways of strengthening your structure did you use?

This is a website where you can also investigate the movement of different shaped cams:

[http://www.mysteryproductions.com/hyper/Hypermedia\\_2003/Muirhead/website/toys.swf](http://www.mysteryproductions.com/hyper/Hypermedia_2003/Muirhead/website/toys.swf)

**Science:** Do all plants reproduce by producing seeds?

Why is it useful for plants to reproduce without producing seeds? What needs to take place for seeds to be produced? Can you think why this could sometimes be a problem? See if you can find out how the plants on the sheet reproduce and sort them by doing some research, or by asking an expert gardener in your family. If you are stuck, you could always ask on the blog. If you have access to some fresh mint (either from your garden, or from a shop) put a couple of stems in a glass of water and watch them for several days. What happens?

**Key information:** Reproducing other than by producing seeds saves a plant energy, although the process of seed production and dispersal ensures more genetic diversity within the population. Plants may reproduce themselves: **Below ground** – rhizomes, tubers, bulbs and corms. These are underground growths on the root or stem of a plant and contain stores of food to provide for the growing young plant. **Above ground** – the parent plant produces runners and new plants sprout along its length. These plants are 'clones' of the parent. **From stem, root or leaf cuttings** – when pieces of plant matter are placed in soil or water, new plants, complete with root systems, are produced.

**RE:** Please read through the attached sheet and power point. There is a reminder of last week's learning and a new task about mosques.

Keep working hard, but also enjoy the sunshine!

Mrs Russell, Mrs Tuson and Mrs Bolton.