



Over the summer we want you to immerse yourself in some subject related tasks that will get you ready for your new course in **Agriculture**.

The below activities have been designed to keep you up to date with latest developments in **Agriculture** and come to college in September with some ideas and information to share with your new classmates and lecturers.

We do not require that you produce much physical work but we encourage you to keep some notes, perhaps a diary and where relevant take some photographs on your phone as a way of retaining what you have learnt.

## CHALLENGES

**Plant science** – Photograph and identify as many agricultural crops as you can this summer and group them into monocotyledons and dicotyledons.

**Soil Science** – Find out what an ‘ideal soil’ is composed and present it as percentages in a pie chart.

**Crops** – Find out a low, average and high yield of wheat, barley, oats and oilseed rape and what each crop is used for.

**Agriculture & Environment** – Photograph any features of farmland e.g. a hedge and find out what habitats they support.

**Machinery** – Find an internal photograph of a tractor and label up the parts. Do the same for the external parts of a tractor using the internet to help you.

**Livestock (Sheep)** - Identify and record (photograph) 6 different breeds of sheep and group them into native breeds and continental breeds where appropriate.

**Livestock (Beef)** - Identify and record (photograph) 4 different breeds of cattle and group them into native breeds and continental breeds where appropriate.

**Livestock Production** - Considering the current Ag Bill and new trade agreement with Australia - compare the similarities and differences of livestock production methods used in Australia and here in the UK.

**Professional working relationships** - Using the **Yellow Wellies** website, create a health and safety poster for moving livestock safely on-farm.

**Business** - What is an 'invoice'? State three pieces of information an invoice must contain.

**Business** – To increase income, many farmers have diversified in the products they produce or in services they provide. Research **farm diversification** and share the most random (but viable) idea you can find!

**Work experience** – The agricultural sector is vast and consists of many different career paths. Research agricultural careers on and off farm and make a list of 5 job roles that are of interest to you.