

Summer Work: A Level Biology

Task 1: Introduce yourself

Write a paragraph introducing yourself and your goals to your A Level biology teacher. Make sure you include:

- Why you want to study A Level Biology
- What biology topics you find the most interesting
- What you want to be doing in 6 years' time

Task 2: Prepare for lessons

This will be preparation for lessons you will complete in the first half term. Produce a poster or a set of notes (with diagrams) showing the structure of various biological molecules. Answer the following questions in your poster or notes.

- 1) What is a **polymer** and **monomer**?
- 2) What is a **condensation reaction** and a **hydrolysis reaction**?
- 3) Draw out the structure of the following molecules:
 - a. **Alpha glucose & beta glucose**
 - b. **Triglyceride & phospholipid**
 - c. **Amino acid**
 - d. **DNA & RNA Nucleotides**

Task 3: Organise yourself

Make sure you have all the correct equipment you need for your lessons:

- Black/blue, red and purple pens
- Notepaper
- Scientific calculator (e.g. Casio FX-83GT)
- 30 cm ruler, sharp pencil & pencil eraser
- Lever arch file or ring binder folders to keep your completed Biology work in. You will be provided with a plastic wallet to use as a 'working folder' to transport your current work to and from college, so can leave your lever arch file / ring binder at home

Task 4: Be curious

Over the summer keep yourself up to date with current biological research and read around the subject. Keep a record of what you have read/listened to so you can refer to it in the future e.g. university applications and job interviews. Use our Biology Extended Study Padlet link on this page for ideas.

Make sure you bring your completed tasks to your first Biology lesson in September. This work is the first impression that your new teacher will have of you, so make sure it is good!! Present it nicely, put a good effort into completing it and have it ready to hand in on time.

