Applied Science
BTEC Preparation Work

Consolidation of GCSE

Starting the course feeling you know what you are doing will help. These are the main topics that we will build on in Unit 1 so are a good place to start.

You can either use the links below to Bitesize or your revision guide from GCSE (Combined Science or Single Sciences are fine)

Biology

Unit	Link
4.1.1 Cell Structure	Link
4.5.2 The Human Nervous System	Link (just pp1-3)

Biology Knowledge Quiz

Use this QR code or follow this link to complete the self-marking knowledge quiz

(N.B. you can only complete this once and you need to do it all in one go, there are 10 questions)

Chemistry

Unit	Link
5.1.1 Atomic Structure	Link
5.2 Bonding and Structure	Link

Chemistry Knowledge Quiz

Use this QR code or follow this link to complete the self-marking knowledge quiz

(N.B. you can only complete this once and you need to do it all in one go, there are 10 questions)

Physics

Unit	Link
6.6.1 Waves in air, fluids and solids	Link
6.6.2 Electromagnetic Waves	Link1 Link2 Link3

Physics Knowledge Quiz

Use this QR code or follow this link to complete the self-marking knowledge quiz

(N.B. you can only complete this once and you need to do it all in one go, there are 10 questions)

Cell Specialisation Research – Single Part of the Course

Prepare 1 or 2 slides or ½ or 1 side of A4 on how a particular type of specialised cell is adapted for it's function. Research your cell type so you have detail(s) beyond GCSE. We will share these in class.

To extend yourself: Find a cell type that is not on the GCSE specification. You could chose a cell type that means something to you (eg. Pancreatic cells if you are interested in diabetes, muscle cells if you are interested in sport).

Any Questions?

Feel free to email me (Dr Parker, rparker@ikbacademy.org.uk). If you want the links, email me and I will send you an electronic copy of this sheet ☺

The course really benefits from hard work and organisation and we look forward to working with you☺