

Year 10

B4 - Bioenergetics
Photosynthesis
Respiration
Metabolism

B3 - Infection & Response
Pathogens
Diseases
Human Defence System
Vaccinations & Drugs

B2 - Organisation
Enzymes
Digestive, Circulatory,
Respiratory System
Plant Tissues & Organs
Cancer & Health Issues

B1 - Cells
Cell structure
Cell specialisation
Microscopes
Cell division
Stem Cells
Substance Exchange



Knowledge	Attributes / Character	Skills	Experiences
<p>Cells Organisation Infection Bioenergetics</p>	<ul style="list-style-type: none"> • Students are given opportunities to develop their oracy and literacy in method writing and presentations. This helps them to talk like a scientist. • Organisation - students will need to complete practical work in groups as well as produce methodical procedures for what they are doing. Homework is set on a regular basis and helps reinforce the knowledge students have learnt, students need to ensure it is complete. Extra support is provided to students in the form of booster/intervention sessions. Students should make time to attend these sessions, to help maximise their progress. • Resilience - after mock exams, DIRT lessons are embedded into the curriculum to help students close gaps and make progress. Students will also be attempting 2 step calculations for the first time, which require greater problem solving skills. • Empathy - students will learn the impact of faulty hearts and the different methods to treat such diseases. 	<ul style="list-style-type: none"> • Analysing models • Creating risk assessments • Rearranging equations • Using equipment- microscopes • Creating hypotheses 	<p>Cadbury World visit Required practicals</p>