Curriculum Journey - Biology

Holyhead
Teach What Matters

Year 7

Interdependence
Food Chains
Adaptations
Sampling
Abiotic & Biotic Factors
Water Cycle

Reproduction
Reproductive Organs
Menstrual Cycle
Sex & Fertilisation
Pregnancy
Puberty

Simple Cells
Tissues, Organs & Organ Systems
Plant & Animal Cells
Specialised Cells
Microscopes
Diffusion

Working Scientifically
Working Safely
Units & Conversions
Mean & Range
Variables
Graphs

Year 7 - Biology

Holyhead
Teach What Matters

Knowledge	Attributes / Character	Skills	Experiences
Working Scientifically Simple Cells Reproduction Interdependence	• Confidence -students will encounter and experience a variety of new knowledge including the structure of cells through a scaffolded approach. Helping to build fluency and confidence. • Organisation - students must work collaboratively in a group during projects and practicals e.g using a microscope to observe cells. They need to communicate effectively to ensure outcomes are met. Homework is set on a regular basis and helps reinforce the knowledge students have learnt. • Resilience - When working on reproduction, students will need to identify and be open to asking and answering questions on this topic, to enable students to gain a good grasp of the topic. • Empathy - Understanding the amount of work/time that goes into developing understanding of more difficult topics.	• Draw and label equipment • Draw and annotate cells. • Draw and interpret line graphs, pie charts and bar charts • Follow methods • Identify variables • Use scientific equipment- microscopes • Unit conversions • Use scientific vocabulary through writing and oracy	• Science club • Big Bang Fair visit • Design a specialised cell-competition • Electric maze game • British Science Week • Science practicals