

University

Apprenticeships

Employment



June

Retakes of exam units if required

# Swanshurst School

BTEC Level 3 Applied Science  
Curriculum Road Map  
Year 13 Extended Certificate (Single) 2023-2024



**April**  
**Assignment 8A:** Understand the impact of disorders of the musculoskeletal system and their associated corrective treatments

**April**  
**Assignment 8C:** Explore the physiology of the digestive system and the use of corrective treatments for dietary related diseases.

**April**  
**Assignment 8B:** Understand the impact of disorder on the physiology of the lymphatic system and the associated corrective treatment.

**January**  
Unit 3 Exam

**December:** Unit 3 PPEs

**September: Start exam Unit 3:**

**A Planning a scientific investigation:** A1 Developing a hypothesis for an investigation; A2 Selection of appropriate equipment, techniques and standard procedures; A3 Health and safety associated with the investigation; A4 Variables in the investigation; A5 Method for data collection and analysis.

**B Data collection, processing and analysis/interpretation:** B1 Collection of quantitative/qualitative data; B2 Processing data.

**C Drawing conclusions and evaluation:** C1 Interpretation/analysis of data; C2 Evaluation.

**D Enzymes in action:** D1 Protein structure; D2 Enzymes as biological catalysts in chemical reactions; D3 Factors that can affect enzyme activity.

**E Diffusion of molecules:** E1 Factors affecting the rate of diffusion; E2 Arrangement and movement of molecules.

**F Plants and their environment:** F1 Factors that can affect plant growth and/or distribution; F2 Sampling techniques; F3 Sampling sizes

**G Energy content of fuels:** G1 Fuels; G2 Hazards associated with fuels; G3 Units of energy

**H Electrical circuits:** H1 Use of electrical symbols to design circuits; H2 Equations; H3 Energy usage

**September**  
Start exam unit 3  
Coursework unit 8

Year  
13

