



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Biology Separate Science Curriculum Guide

Year 10

Exam Board: J247 OCR Gateway A (9-1) Biology

To find out more about this particular course, follow the link below.

<https://www.ocr.org.uk/qualifications/gcse/gateway-science-suite-biology-a-j247-from-2016/>

Autumn Taught Content

Unit B2:

- Plant transport systems
- Revision of topics covered during school closure
 - Diffusion
 - Osmosis
 - Mitosis
 - Circulatory system

Unit B3:

- Nervous system (including the brain & the eye)
- Hormones
- Menstrual cycle
- Contraception & Fertility treatment
- Regulating body temperature, blood glucose & water levels

Spring Taught Content

Unit B2:

- Revision of topics covered during school closure
 - Diffusion
 - Osmosis
 - Mitosis
 - Circulatory system

Unit B4:

- Ecosystems
- Competition
- Biomass transfer
- Nutrient cycles
- Decomposition

Summer Taught Content

Unit B5:

- Variation
- Meiosis
- Genetic crosses
- Natural selection
- Evolution
- Classification systems

Assessment

Students will be tested formally throughout the year. This will be once per term, in the weeks either side of the half term breaks. Students will sit papers at either Higher or Foundation tier based on previous assessment. There will also be less formal assessments at other points during the year. Students will also be regularly tested on previous material from the GCSE course through low stakes quizzes.

Homework Expectations

Students should be set homework once every fortnight. This may include completing questions, research tasks or revision for upcoming assessments.

Reading List

What if? – Randall Monroe

The incredible human journey – Dr Alice Roberts

The greatest show on earth: The evidence for evolution – Richard Dawkins

Genome – Matt Ridley

Extra and Super Curricular Opportunities

Currently none available in Year 10.