



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Physics Combined Science Curriculum Guide

Year 11

Exam Board: J250 OCR Gateway A (9-1) Combined Science

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

<https://www.ocr.org.uk/qualifications/gcse/gateway-science-suite-combined-science-a-j250-from-2016/>

Autumn Taught Content

Unit P5:

- Waves & wave behaviour
- Electromagnetic waves

Unit P6:

- Radioactivity
- Nuclear equations
- Half-life

Unit P8:

- Motion calculations

Spring Taught Content

Unit P8 cont'd:

- Reaction times
- Collisions
- Energy resources
- Mains electricity

Revision from previous units in preparation for summer exams.

Summer Taught Content

Revision from previous units in preparation for summer exams.

Assessment

Students will be tested formally throughout the year. There will be mock exams in October & in January. 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.

Reading List

Almost Like a Whale – Steve Jones

Cosmos - Carl Sagan

Storm in a Teacup: The Physics of Everyday Life – Helen Czerski

Stephen Hawking: A Graphic Guide – JP McEvoy & Oscar Zarate