



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	Spring Taught Content	Summer Taught Content
Unit P4: <ul style="list-style-type: none">• Radioactivity• Nuclear equations• Half-life Unit P5: <ul style="list-style-type: none">• Energy stores• Energy transfers	Unit P6: <ul style="list-style-type: none">• Motion calculations• Reaction times• Collisions• Energy resources• Mains electricity Revision from previous units in preparation for summer exams	Revision from previous units in preparation for summer exams.

Assessment

Students will be tested formally throughout the year. There will be mock exams in November, January & March. 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. 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