



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Physics Combined Science Curriculum Guide

Year 10

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
<p>Unit P2:</p> <ul style="list-style-type: none">Forces and SpringsPotential EnergiesRevision of P2 topics; Equations of motion, Forces, Newtons Laws <p>Unit P3:</p> <ul style="list-style-type: none">ElectrostaticsCurrentPotential differenceCircuitsResistancePower	<p>Unit P3 cont'd:</p> <ul style="list-style-type: none">MagnetsCurrent and fieldsUses of magnetism <p>Unit P4:</p> <ul style="list-style-type: none">Wave propertiesWaves speed	<p>Unit P4 cont'd:</p> <ul style="list-style-type: none">Electromagnetic waves <p>Revision of previous units.</p>

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. 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