



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Chemistry Separate Science Curriculum Guide

Year 11

Exam Board: J248 OCR Gateway A (9-1) Chemistry

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

<https://www.ocr.org.uk/qualifications/gcse/gateway-science-suite-chemistry-a-j248-from-2016/>

Autumn Taught Content

Unit C6:

- Fertilizers
- Making Ammonia, Sulphuric acid & Ethanol
- Extracting metals
- Corrosion
- Materials
- Alkanes & Alkenes
- Crude Oil
- Polymers

Spring Taught Content

Unit C6 cont'd:

- Fuel cells
- The atmosphere
- Pollution and climate change

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

The Elements: A Visual Exploration of Every Known Atom in the Universe - Theodore Gray.

The Big Bang – A history of Explosives. – G.I. Brown

Chemistry: A Very Short Introduction. – Peter Atkins

The Atom: The building block of Everything. Jack Challoner.

Strange Chemistry: The Stories Your Chemistry Teacher Wouldn't Tell You. – Steven Farmer.

Stuff matters: the strange stories of the marvellous materials that shape our man-made world. Mark Miodownik.

Extra and Super Curricular Opportunities

Currently none available in Year 11.