



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Science Curriculum Guide

Year 9

Autumn Taught Content	Spring Taught Content	Summer Taught Content
<p>Biology</p> <ul style="list-style-type: none">• Microscopes & Cells• Enzymes• Respiration• Photosynthesis <p>Chemistry</p> <ul style="list-style-type: none">• Particle model• The atomic model• Purity• Formula masses• Separation techniques <p>Physics</p> <ul style="list-style-type: none">• Development of Atomic models	<p>Chemistry</p> <ul style="list-style-type: none">• Metals and non-metals• Periodic table• Chemical bonding• Polymers• Allotropes of Carbon <p>Physics</p> <ul style="list-style-type: none">• Density• Specific Latent Heat• Specific Heat Capacity• Pressure	<p>Biology</p> <ul style="list-style-type: none">• Diffusion & Osmosis• Mitosis• Specialised cells <p>Physics</p> <ul style="list-style-type: none">• Speed & Velocity• Forces• Equations of motion• Newton's Laws

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. There will also be a less formal assessments at other points during the year. At the end of the year, students will be advised if they will be completing the GCSE Separate science or combined science course in year 10. Students should be set homework once every fortnight. This may include completing questions, research tasks or revision for upcoming assessments.

Reading List

Thing Explainer: Complicated Stuff in Simple Words – Randall Munroe
The Elements: A Visual Exploration of Every Known Atom in the Universe – Theodore Gray
The Diversity of Life – E. O. Wilson
The new way things work – D Macauley
Cosmos – Carl Sagan
Storm in a Teacup – Helen Czerski
Bad Science – Ben Goldacre