



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Science Curriculum Guide

Year 7

Autumn Taught Content

- Lab safety & Bunsen burners
- Organisms 1: Cells, Microscopes, Skeleton & Movement
- Matter 1: Particle Model, Changing states, Separation Techniques
- Energy 1: Energy stores & transfer, fuels, generating energy, renewable energies
- Forces 1: Speed, Motion

Spring Taught Content

- Forces 1: Forces around us, Gravity & weight
- Ecosystems 1: Food chains/webs, interdependence, Plant Reproduction
- Reactions 1: Metals/non-metals & their reactions, Acids & Alkalis
- Electricity: Circuits, series/parallel circuits, current, voltage resistance

Summer Taught Content

- Earth 1: Earth structure, rocks, seasons, solar system & universe
- Genes 1: Variation, adaptation, Human Reproduction
- Waves 1: Sound waves, Light

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. 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
Ender's Game – Orson Scott Card
The Hitchhikers Guide to the Galaxy – Douglas Adams