



# St Benedict's Catholic School

*The Catholic Secondary School for West Suffolk*

## Science Curriculum Guide

### Year 8

#### Autumn Taught Content

- Variation
- Human Reproduction
- Metals & Non-metals
- Acids and Alkalis
- Magnetism
- Electromagnets
- Contact Forces
- Pressure

#### Spring Taught Content

- Respiration
- Photosynthesis
- Chemical Energy
- Types of Reaction
- Wave effects
- Wave properties
- Work
- Heating and Cooling

#### Summer Taught Content

- Evolution
- Inheritance
- Climate
- Earth Resources
- Practical Investigations

#### 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 less formal assessments at other points during the year.

## **Homework Expectations**

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