



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

SCIENCE CURRICULUM GUIDE 2016

Year 10 Autumn

Students continue work on the Gateway Combined Science GCSE, which was started in Year 9. As a part of the requirement of this qualification they will complete various practical assessments and chapter tests during their normal teaching hours. Final assessment will be at the end of year 11 with the students sitting external exams. The following units will be covered in the autumn term:

P2 Forces

- P2.1 Motion
- P2.2 Newton's laws
- P2.3 Forces in action

P3 Electricity

- P3.1 Static and charge
- P3.2 Simple circuits

B2 Scaling up

- B2.1 Supplying the cell
- B2.2 Challenges of size

B3 Organism level systems

- B3.2 The endocrine system

C2 Elements, compounds and mixtures

- C2.1 Purity and separating of mixtures

- C2.2 Bonding

- C2.3 Properties of materials

Year 10 Spring

The spring term of Year 10 consists of a continuation of the OCR Gateway Combined Science GCSE course.

B3 Organism level systems

- B3.3 Maintaining internal environments

B4 Community level systems

- B4.1 Ecosystems

C3 Chemical Reactions

- C3.1 Introducing chemical reactions
- C3.2 Energetics
- C3.3 Types of reactions
- C3.4 Electrolysis

C4 Predicting and identifying reactions and products

C4.1 Predicting chemical reactions

P4 Magnetism

P4.1 Magnets and Fields

P4.2 Uses of magnetism

P5 Waves

P5.1 Wave behaviour

P5.2 Electromagnetic Spectrum

P5.3 Wave Interactions

Year 10 Summer

B4 Community level systems

B4.1 Ecosystems

B5 Genes, inheritance and selection

B5.1 Inheritance

B5.2 Natural selection

C4 Predicting and identifying reactions and products

C4.2 Identifying products

P6 Radioactivity

P6.1 Radioactive emissions

P6.2 Uses and hazards