



## Key Stage 4: Years 11 and 12

Academic studies become more focused when pupils start studying for GCSEs in Year 11 and 12 (or for some Yr10 Mathematics students). We place a huge emphasis on choosing the right GCSE subjects as we see it as fundamental for success. Through extensive work completed by the careers department pupils are encouraged to choose subjects which they enjoy, suit their learning style and that engages them. As part of this process we hold Options Information Evenings to allow us to work closely with both students and parents to enable them to make the best decisions. This is clearly successful given our excellent examination results.

The school provides all pupils at Key Stage 4 with the opportunity to follow a diverse and stimulating curriculum. When pupils have made their selection of subject choices we then design our timetable around this to allow for a best fit approach. As far as reasonably possible pupils who have made a free choice are accommodated.

We currently offer 3 programmes of study at Key Stage 4 with some slight variations available which are tailored to meet the needs of the pupil:

### **Various Pathways available:**

- A full GCSE programme, with pupils studying for 8 – 9 GCSEs, through the offer of approximately 27 subjects.
- A blend of GCSE and BTEC courses delivered in school
- Pupils study GCSE English and Maths along with a range of equivalent qualifications. They have the opportunity to study Occupational Studies, OCN, Princes Trust or BTEC courses in various areas of learning.

### **Core Subjects:**

English

Maths

Science- both single and double award are available (available as an option to AEP students)

RE

Personal Development (Preparation for Adult Life)

PE

Careers



## **Optional Subjects:**

Art & Design

Business Studies

Child Development

English Literature- only chosen following consultation with English Department

Further Maths- only chosen following consultation with the Maths Department

Digital Technology

Drama

Geography

Health and Social Care

History

Home Economics

Hospitality

Learning for Life and Work (GCSE)

Music

Physical Education (GCSE)

Religious Education (GCSE)

Spanish

Technology & Design

BTEC Agriculture (equivalent to 4GCSEs)

BTEC Business (equivalent to 3 GCSEs)



**Occupational Studies:**

Childcare

Construction

Engineering

Environment and Society

**OCN:**

Religious Education

IT Applications

**Alternative Qualifications:**

Food Preparation

Prince's Trust



## Key Stage 4

### Single Award Science

The course offers all GCSE grades up to A\*. There are 3 modular exams worth 25% each over 2 years (Biology, Chemistry and Physics). Practical Skills unit is externally assessed and is comprised of a practical skills assessment worth 7.5% and an external written exam worth 17.5%.

### What will I study?

**Students will study the CCEA Specification comprising of a wealth of topics from all three science disciplines: Biology, Chemistry and Physics.**

Modular exams are taken in February of Year 11, November of Year 12 and May of Year 12.

### Double Award Science

Double Award Science covers extensive topics from Biology, Chemistry and Physics and allows pupils to progress to study Science at KS5. It involves practical investigations and application of knowledge. It prepares pupils for the Scientific Age within which we are constantly evolving. Pupils will sit modular exams during Year 11 and Year 12 in Units B1, C1 and P1, and will then have 3 terminal exams at the end of year 12 in each Units B2, C2 and P2. Practical skills will be assessed through 3 practical activities followed by a written external examination.

## What will I study?

### **Biology:**

Unit B1: Cells, Living Processes  
and Biodiversity

Unit B2: Body Systems, Genetics,  
Microorganisms and Health

### **Chemistry:**

Unit C1: Structures, Trends,  
Chemical Reactions, Quantitative Chemistry  
and Analysis.

Unit C2: Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic  
Chemistry.

### **Physics:**

Unit P1: Force and Motion, Energy, Moments, Density, Kinetic Theory, Radioactivity  
and Nuclear Fission/Fusion.

Unit P2: Waves, Light, Electricity, Magnetism and Electromagnetism and Space  
Physics.



## OCN Science

The OCN NI Level 2 Applied Science qualifications will provide learners at CHS with the opportunity to develop their knowledge, skills and understanding in a range of key concepts within Biology, Chemistry and Physics, and builds upon the Key Stage 3 science curriculum. It will require learners to complete 3 assessed coursework booklets over a two-year period focusing on Biology, Chemistry and Physics. In each topic learners will be required to do a mixture of assessed theory work and practical work that will enable them to progress to further learning or training in a science related area.

