

GCSE (Separate) Science

Exam Board - Edexcel

The presentation will begin shortly, can we ask that cameras and microphones are switched off.

If you have any questions please type in the chat box and we will answer as many questions as possible.

After the presentation, if you have any other questions, please contact jubair.ahmad@stepneyallsaints.school who will be available up until 6pm



Science Department Management

Member of Staff	Role	Contact Detail
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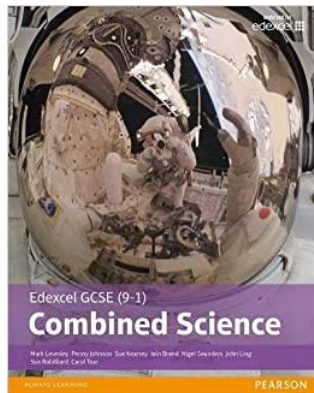
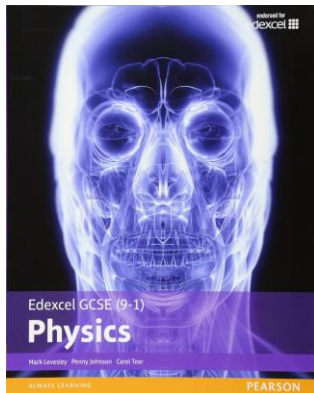
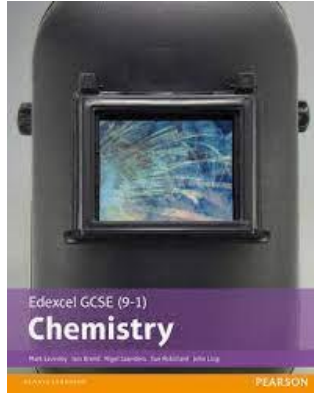
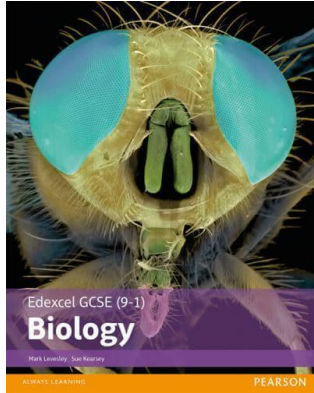


Course Overview:

Year	Biology	Chemistry	Physics
Year 10	Key Concepts Cells and Control Genetics Natural Selection and Genetic Modification Health, Disease and Medicine Plant Structures and Functions	States of Matter Atomic Structure and Periodic Table Bonding Acids Electrolytic Processes Equilibria Chemical and Fuel Cells	Motion Forces Energy Waves Light and the EM Spectrum Radioactivity Astronomy
Year 11	Animal Coordination and Hormones Exchange and Transport in Animals Ecosystems Material Cycles	Groups Enthalpy Changes Fuels Atmosphere Hydrocarbons and Polymers Quantitative Analysis Chemical Tests	Forces and Work Electric Circuits Static Electricity Magnetism and Induction Particles Gases and Springs



What to expect:



- 14 lessons of Science every fortnight when studying Separate Science
- 9 lessons of Science every fortnight when studying Combined Science
- All three sciences learnt by all
- Incorporates practicals and experimental skills as well as calculations and data/graph analysis
- Separate science has additional content in each topic and sometimes whole additional topics



Assessment:

- | | |
|---|--|
| <ul style="list-style-type: none">*Pupils sit regular exam style questions in lesson and complete regular extended writing responses as formative assessment.*Pre-learning tasks are set for each week of lessons on Century Tech.*All GCSE examinations are linear and sat at the end of year 11; there will be 6 papers in total (2 for each science) . | |
| Separate science papers are 1hr 45mins each whereas combined science papers are 1hr 10mins each. | |

Where you can find out more: Pearson Edexcel GCSE (9-1) Sciences

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html>



Why study science?

SKILLS:

Practical skills in designing, completing and analysing experiments; calculating values by rearranging and substituting values into equations; application of science learnt to its uses; analysis of information in tables and graphs and drawing correlations and conclusions

CAREERS:

Potential careers include: Architect, biochemist, chemist, conservation officer, dietician, engineer, forensic scientist, healthcare professional, marine biologist, meteorologist, pharmacist, radiologist, research scientist, teacher, veterinary nurse, and physicist.



Future pathways with science:

- Universities and employers have a high regard for science.
- There are some careers as mentioned in the previous slide that require specific courses at A Levels and University to be undertaken.
- In addition to this, many careers still benefit from undertaking science studies due to the transferable skills developed and displayed.

