

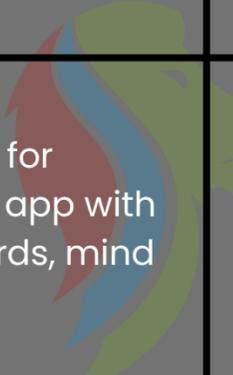
Science Curriculum Guide

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| <p>Curriculum Intent Year 7</p> | <p>Develop scientific knowledge, skills and conceptual understanding through the specific disciplines of biology, chemistry and physics.</p> | | |
| <p>Curriculum Content</p> | <p>Half Term 1 The Scientific Method Half Term 4 Forces and Motion</p> | <p>Half Term 2 Movement and Organisation Half Term 5 Genes and Reproduction</p> | <p>Half Term 3 Matter and Mixtures Half Term 6 Reactions: Metals and no-metals / Acids and Alkalis</p> |
| <p>Assessment</p> | <p>Progress in Science test are completed at the start of the year. Assessments are then undertaken at the end of each half term.</p> | | |
| <p>What can you do to support your child in Science</p> | <p>Support with Tassomai homework, make sure weekly goals are completed. Discuss how lessons are progressing and link science to the wider world.</p> | | |
| <p>Links to useful revision aids or online revision resources</p> | <p>https://www.tassomai.com/ for homework and knowledge retrieval https://www.bbc.co.uk/bitesize/subjects/zng4d2p BBC Bitesize will support with lesson content</p> |  | <p>Stamford Welland Academy</p> |

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| <p>Curriculum Intent Year 8</p> | <p>Develop scientific knowledge, skills and conceptual understanding through the specific disciplines of biology, chemistry and physics.</p> | | |
| <p>Curriculum Content</p> | <p>Half Term 1 Respiration and Photosynthesis Half Term 4 Electricity</p> | <p>Half Term 2 Energy Half Term 5 Earth and the Universe</p> | <p>Half Term 3 Periodic Table and Reactions Half Term 6 Waves</p> |
| <p>Assessment</p> | <p>Progress in Science test are completed at the start of the year. Assessments are then undertaken at the end of each half term.</p> | | |
| <p>What can you do to support your child in Science</p> | <p>Support with Tassomai homework, make sure weekly goals are completed. Discuss how lessons are progressing and link science to the wider world.</p> | | |
| <p>Links to useful revision aids or online revision resources</p> | <p>https://www.tassomai.com/ for homework and knowledge retrieval https://www.bbc.co.uk/bitesize/subjects/zng4d2p BBC Bitesize will support with lesson content</p> |  | <p>Stamford Welland Academy</p> |

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| <p>Curriculum Intent Year 9</p> | <p>AQA: GCSE Combined Science Trilogy or GCSE Separate Science Biology, Chemistry and Physics.</p> | | |
| <p>Curriculum Content</p> | <p>Half Term 1 Respiration and Photosynthesis Half Term 4 Electricity</p> | <p>Half Term 2 Energy Half Term 5 Earth and the Universe</p> | <p>Half Term 3 Periodic Table and Reactions Half Term 6 Waves</p> |
| <p>Assessment</p> | <p>Progress in Science test are completed at the start of the year. Assessments are then undertaken at the end of each half term. End of unit assessments after each topic.</p> | | |
| <p>What can you do to support your child in Science</p> | <p>Support with Tassomai homework, make sure weekly goals are completed. Discuss how lessons are progressing and link science to the wider world.</p> | | |
| <p>Links to useful revision aids or online revision resources</p> | <p>https://www.tassomai.com/ for homework and knowledge retrieval https://cognitoedu.org/home for support with understanding content and application https://mpp.c2dev.co.uk/ My Past Paper, an app with full past papers and mark schemes https://www.physicsandmathstutor.com/ free online flash cards, mind maps, knowledge and exam questions, by paper and topic</p> |  <p>Stamford Welland Academy</p> | |

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| <p>Curriculum Intent Year 10</p> | <p>AQA: GCSE Combined Science Trilogy or GCSE Separate Science Biology, Chemistry and Physics. 6 exam papers: 2 Biology, 2 Chemistry and 2 physics. Combined Science 1hr 15mins Separate 1hr 45mins</p> | | |
| <p>Curriculum Content</p> | <p>Half Term 1 Biology: Bioenergetics Chemistry: Energy Changes Physics: Electricity Half Term 4 Biology: Homeostasis/Inheritance Chemistry: Rates Physics: Forces</p> | <p>Half Term 2 Biology: Bioenergetics/Homeostasis Chemistry: Quantitative Chemistry Physics: Electricity/Forces Half Term 5 Biology: Inheritance Chemistry: Organic Chemistry Physics: Forces/Waves</p> | <p>Half Term 3 Biology: Bioenergetics/Homeostasis Chemistry: Quantitative Chemistry/Rates Physics: Forces Half Term 6 Biology: Inheritance Mocks/Work Exp Chemistry: Organic Chemistry Mocks/Work Exp Physics: Waves Mocks/Work Exp</p> |
| <p>Assessment</p> | <p>End of unit assessments after each topic. Summer Mock Exam: Paper 1 Biology, Chemistry and Physics (3 papers in total)</p> | | |
| <p>What can you do to support your child in Science</p> | <p>Support with Tassomai homework, make sure weekly goals are completed. Discuss how lessons are progressing and link science to the wider world.</p> | | |
| <p>Links to useful revision aids or online revision resources</p> | <p>https://www.tassomai.com/ for homework and knowledge retrieval https://cognitoedu.org/home for support with understanding content and application https://mpp.c2dev.co.uk/ My Past Paper, an app with full past papers and mark schemes https://www.physicsandmathstutor.com/ free online flash cards, mind maps, knowledge and exam questions, by paper and topic</p>  <p>Stamford Welland Academy</p> | | |

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| <p>Curriculum Intent Year 11</p> | <p>AQA: GCSE Combined Science Trilogy or GCSE Separate Science Biology, Chemistry and Physics. 6 exam papers: 2 Biology, 2 Chemistry and 2 physics. Combined Science 1hr 15mins Separate 1hr 45mins</p> | | |
| <p>Curriculum Content</p> | <p>Half Term 1 Biology: Inheritance Chemistry: Chemistry of the Atmosphere Physics: Electromagnets Half Term 4 Biology: Exam Prep Chemistry: Chemical Analysis Physics: Exam Prep</p> | <p>Half Term 2 Biology: Ecology Chemistry: Using Earths Resources Physics: Electromagnets Half Term 5 Biology: Exam Prep/GCSEs Chemistry: Chemical Analysis/Exam Prep/GCSEs Physics: Exam Prep/ GCSEs</p> | <p>Half Term 3 Biology: Ecology Chemistry: Using Earths Resources Physics: Exam Prep Half Term 6 Biology: GCSEs Chemistry: GCSEs Physics: GCSEs</p> |
| <p>Assessment</p> | <p>End of unit assessments after each topic. November Mock Exams: Paper 1 Biology, Chemistry and Physics (3 papers in total) February Mock Exams: Paper 2 Biology, Chemistry and Physics (3 papers in total)</p> | | |
| <p>What can you do to support your child in Science</p> | <p>Support with Tassomai homework, make sure weekly goals are completed. Discuss how lessons are progressing and link science to the wider world.</p> | | |
| <p>Links to useful revision aids or online revision resources</p> | <p>https://www.tassomai.com/ for homework and knowledge retrieval https://cognitoedu.org/home for support with understanding content and application https://mpp.c2dev.co.uk/ My Past Paper, an app with full past papers and mark schemes https://www.physicsandmathstutor.com/ free online flash cards, mind maps, knowledge and exam questions, by paper and topic</p>  <p>Stamford Welland Academy</p> | | |