

Curriculum

Students in Year 6,7 and 8 will have three science lessons per week and follow a totally unique thematic scheme of work which aims to bring to life real-world scenarios so that pupils are able to appreciate the importance of Science in the modern era.

Year	Autumn	Spring	Summer
6	Theme Park <ul style="list-style-type: none">• Energy (inc. Static)• Electrical circuits• Human Body• Light & Sound• Physical vs Chemical Reactions	Animation <ul style="list-style-type: none">• Microscope• Habitats/Ecosystems• Plants• Adaptations• Life Cycles	Top Gear/World Cup <ul style="list-style-type: none">• Calculating Speed• Maths in Science• Outdoor Learning
7	Celebrities <ul style="list-style-type: none">• Forces• Diet• Reproduction• Inheritance & Variation	CSI <ul style="list-style-type: none">• Particle Theory• Acids & Alkalis• Separation Methods	Myths & Legends <ul style="list-style-type: none">• Microbes & Disease• Cells• Classification• Evolution• Magnets• Space
8	Hollywood <ul style="list-style-type: none">• Forces• Light & Colour• Sound• Energy	Olympics <ul style="list-style-type: none">• Life Processes• Circulation, breathing and respiration• Atoms, elements, compounds & mixtures• Periodic Table	Superheroes <ul style="list-style-type: none">• Chemical Reactions• Electro-magnets• Heat Transfer• Rocks & Weathering

Students will begin their three-year GCSE science course at the start of Year 9. All students will have five science lessons per week which will be split between the three subjects.

“Every pupil that I spoke with was animated and keen about their science, and your science ambassadors especially so; they were so eager to show me everything about their school we quite lost track of the time. They are very proud to be at Goldington Academy, and to have the opportunities that you all create for them.”

Platinum Science Mark Assessor- December 2017

All students will follow the Pearson Edexcel GCSE qualification and every half term will be taught two of the three sciences. Students will either have one or two science teachers depending on their specialisms.

In Year 9, students are initially taught in mixed-ability groups for the Combined science course.

In Year 10, students are then set with two groups studying Separate Science (3 GCSE's) and four groups studying Combined Science (2 GCSE's). Students will be selected for the most appropriate tier (i.e. higher or foundation) in Year 11.

Year	2 Lessons	3 Lessons
9	Biology	Chemistry or Physics
10	Physics	Biology or Chemistry
11	Chemistry	Physics or Biology