

## Science Year 7

### Science Vision Statement:

*'Science will be engaging, exciting; developing skills that encourage students to think, observe, question, explore. Through giving opportunities within and outside the classroom context. So as to be inspired to understand the world they live in and achieve their potential to access next steps, broadening life choices.'*

### Aims for the Year

Students embark on science skills and investigation unit when they begin at Stopsley High school this prepares them for the diverse learning experiences they will participate in when the topics are more focused.

### Modules/Units to be Covered

	Key Learning covered this term:	Assessment will be:	Revision & resources	Further Reading	How parents could support students
Autumn 1	<ul style="list-style-type: none"> <li>Scientific Skills and investigation topic</li> <li>Misconceptions lessons</li> </ul>	Baseline test data. Practical skills assessment booklet. Investigation skills.	KS3 revision book and workbook BBC Bitesize KS3	KS3 Google classroom KS 3 Independent booklet	Scientific skills homework booklet
Autumn 2	<ul style="list-style-type: none"> <li>Particle model, Mixtures and separation techniques.</li> <li>Tissues and biological systems. Unicellular organisms. Food and nutrition</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	KS3 Google classroom KS 3 Independent booklet	Check SMH for topic homework Refer to resources and books
Spring 1	<ul style="list-style-type: none"> <li>Current electricity</li> <li>Muscles and bones. Breathing and respiration.</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	KS3 Google classroom KS 3 Independent booklet	Check SMH for topic homework Refer to resources and books
Spring 2	<ul style="list-style-type: none"> <li>Atoms elements and molecules. Periodic table.</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook	KS3 Google classroom KS 3 Independent	Check SMH for topic homework

			BBC Bitesize KS3	booklet	Refer to resources and books
Summer 1	<ul style="list-style-type: none"> <li>• Forces. Metals and uses.</li> <li>• Ecosystems</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	KS3 Google classroom KS 3 Independent booklet	Check SMH for topic homework Refer to resources and books
Summer 2	<ul style="list-style-type: none"> <li>• Forces and motion.</li> <li>• Acids and alkalis</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	KS3 Google classroom KS 3 Independent booklet	Check SMH for topic homework Refer to resources and books

*Students will regularly complete "Directed Reflection & Improvement Time" (DIRT) within modules of work*



STOPSLEY HIGH SCHOOL Key Stage 3 Curriculum - Year 8

Science Year 8

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**Aims for the Year**

## Modules/Units to be Covered

	Key Learning covered this term:	Assessment will be:	Revision & resources	Further Reading	How parents could support students
Autumn 1	<ul style="list-style-type: none"> <li>• Tissues and systems, food and nutrition</li> <li>• Muscles and bones, breathing and respiration</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	BBC Bitesize SAM Learning KS3 Google classroom	Ensure homework tasks are completed to a high standard
Autumn 2	<ul style="list-style-type: none"> <li>• Rocks and particle model</li> <li>• Forces and motion</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	BBC Bitesize SAM Learning KS3 Google classroom	Ensure homework tasks are completed to a high standard
Spring 1	<ul style="list-style-type: none"> <li>• Light and sound</li> <li>• Plant reproduction and plant growth</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	BBC Bitesize SAM Learning KS3 Google classroom	Ensure homework tasks are completed to a high standard
Spring 2	<ul style="list-style-type: none"> <li>• Energy and energy transfer</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	BBC Bitesize SAM Learning KS3 Google classroom	Ensure homework tasks are completed to a high standard
Summer 1	<ul style="list-style-type: none"> <li>• Atoms, elements, molecules – periodic table</li> <li>• Genetics and evolution</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	BBC Bitesize SAM Learning KS3 Google classroom	Ensure homework tasks are completed to a high standard
Summer 2	<ul style="list-style-type: none"> <li>• Combustion and making materials</li> <li>• Fluids, electromagnets</li> </ul>	End of topic test Extended writing task	KS3 revision book and workbook BBC Bitesize KS3	BBC Bitesize SAM Learning KS3 Google classroom	Ensure homework tasks are completed to a high standard

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## Science Year 9

### **Science Vision Statement:**

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### **Aims for the Year**

Students will begin the GCSE content of Edexcel Science course; whether they aim to embark on Separate Science (3 GCSE's) or Combined Science (2 GCSE's) they will all be introduced to the key concepts within Biology, Chemistry and Physics topics. They will be introduced to the format of the course; the topic layout and resources to support them through the 3 years. The units also include time to focus on skills to develop science application and enable students to reflect and develop within areas of challenge.

### **Modules/Units to be Covered**

	Key Learning covered this term:	Assessment will be:	Revision & resources	Further Reading	How parents could support students
Autumn 1	<ul style="list-style-type: none"><li>● SB 1 Key Concepts in Biology</li><li>● CC1 States of Matter</li><li>● CC2 Methods of separating</li></ul>	Topic tests Core practicals	Online textbook Google classroom Revision books (can be purchased from school) SAM Learning	Online textbook GCSEPod	Topic homework via SMH Refer to 'Independent booklet'
Autumn 2	<ul style="list-style-type: none"><li>● CP1 Motion</li><li>● CP2 Forces and motion</li><li>● Maths in Science</li></ul>	Topic tests Core practicals	Online textbook Google classroom Revision books SAM Learning	Online textbook GCSEPod	Topic homework via SMH Refer to 'Independent booklet'

Spring 1	<ul style="list-style-type: none"> <li>● SB2 Cells and Control</li> <li>● CP3 Conservation of Energy</li> <li>● Topic tracker review - PiXL approaches</li> </ul>	<p>Topic tests Core practicals</p>	<p>Online textbook Google classroom Revision books SAM Learning</p>	<p>Online textbook GCSEPod</p>	<p>Topic homework via SMH Refer to 'Independent booklet'</p>
Spring 2	<ul style="list-style-type: none"> <li>● CP4 Waves</li> <li>● CC3 Atomic Structure</li> <li>● CORE PRACTICAL review</li> </ul>	<p>Topic tests Core practicals</p>	<p>Online textbook Google classroom Revision books SAM Learning</p>	<p>Online textbook GCSEPod</p>	<p>Topic homework via SMH Refer to 'Independent booklet'</p>
Summer 1	<ul style="list-style-type: none"> <li>● CP5 Light and the EM Spectrum</li> <li>● CC4 The periodic table</li> <li>● Topic tracker review - PiXL approaches</li> </ul>	<p>Topic tests Core practicals</p>	<p>Online textbook Google classroom Revision books SAM Learning</p>	<p>Online textbook GCSEPod</p>	<p>Topic homework via SMH Refer to 'Independent booklet'</p>
Summer 2	<ul style="list-style-type: none"> <li>● SB3 Genetics</li> <li>● Thinking skills / CASE</li> <li>● END OF YEAR EXAM</li> </ul>	<p>Topic tests Core practicals End of year exam</p>	<p>Online textbook Google classroom Revision books SAM Learning</p>	<p>Online textbook GCSEPod</p>	<p>Topic homework via SMH Refer to 'Independent booklet'</p>

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