

Subject: Science

Year Group: 7

Term One: Whilst studying Science students will undertake learning in the following topics;

- Cells,
- Plant and Photosynthesis
- Separating mixtures
- Particle model
- Forces
- Energy Resources

Students will be part of a rota system and will study these topics in different orders according to their class. They will also undertake literacy and numeracy in their Science lessons.

Term Two:

Science after Christmas continues with students studying further topics on the rota system. They will study a combination of topics from term one and the following additional topics:

- Food and Digestion
- Acids and Alkalis
- Waves

Extended writing and comprehension, research and presentation, graphic skills and calculations will continue to be taught as part of their development in science.

Term Three:

Students undertake the final three topics along with a combination of those from term two. These topics include:

- Reproduction in humans
- States of matter
- Non-contact forces

Both literacy and numeracy skills will continue to be taught as well as Science Investigation skills including planning, recording data, drawing conclusions and evaluating experiments.



Subject: Science

Year Group: 8

Term One: During the first term of year 8 students will study the following topics on a rota basis:

- **Photosynthesis, food chains and food webs**
- **Reproduction in plants and health**
- **The Periodic table**
- **The rock cycle**
- **Electricity**
- **Forces and motion**

Literacy and numeracy skills will also continue to be part of the lessons throughout the year.

Term Two: Students will continue to undertake topics from term one along with the following extra topics on the rota system:

- **Breathing**
- **Chemical energy changes**
- **Waves**

Skills which will allow independent learning and investigation in Science are extended throughout year 8 and will enable the exploration of the topics in more detail experimentally. Students will also learn how to collect, record, present and interpret data they have produced and from other scientists work.

Term Three: During this term students will complete the rota of topics from term two along with the following additional topics:

- **Movement**
- **Chemical reactions**
- **Energy transfers**

Revision activities and study skills will be taught and undertaken by students in preparation for the end of unit tests and examinations throughout the year. This will enable student to find the best active revision techniques for them and continue to use and extend these techniques over the future years.



Subject: Science

Year Group: 9

Term One: During year 9 students continue on a rota system, studying topics in depth that bridge the gap between KS3 and KS4. These topics include:

- **Genetics**
- **Atomic structure and the periodic table**
- **Space physics**

Students will also undertake investigations and experiments to prepare for future studies undertaken in KS4.

Term Two: The topics studied after Christmas will be:

- **Evolution**
- **The reactivity series**
- **Pressure resources**

Literacy and numeracy will still play a prominent part in all lessons to ensure that these skills are embedded in preparation for KS4.

Term Three: During the final term of year 9, students will complete their KS3 studies including the following topics:

- **Respiration**
- **Salts**
- **Moments and Hooke's law**

Revision techniques and Active revision will also be taught and students will be given the opportunity to try out these techniques in preparation for end of unit assessments and examinations.

