

End of
KS3

YEAR 8

9. Electromagnets
Magnetism,
Electromagnets

8. Forces
Contact and non-contact forces,
Pressure

7. Genes
Evolution,
Inheritance

6. Ecosystems
Respiration,
Photosynthesis

YEAR 8 1. Matter
Periodic table,
Elements

2. Energy
Work,
Heating and cooling

3. Organisms
Breathing,
Digestion

4. Reactions
Types of reaction,
Chemical energy

5. Earth
Earth's resources,
Climate

Key Assessment Pieces during KS3: Each topic has one KAP based around multiple choice, short and long answer questions or extended written work. Feedback and therapy tasks will follow each assessment. There will also be end of year 7 and 8 assessments.

6. Earth
Earth structure,
Universe

7. Ecosystems
Interdependence,
Plant reproduction

8. Genes
Variation,
Human reproduction

9. Forces
Speed,
Gravity

10. Electromagnet
Voltage & Resistance,
Current

Student Development Opportunities during KS3: Help out at open evening, Science club, Science week, Competitions.

5. Reactions (Chem)
Metals & Non-metals,
Acids & Alkalis

4. Organisms (Bio)
Movement,
Cells

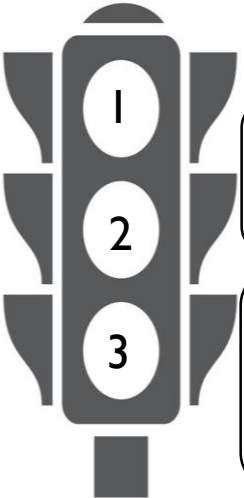
3. Waves (Phys)
Sound,
Light

2. Energy (Phys)
Energy transfers,
Energy costs

YEAR 7 1. Matter (Chem)
Particle model,
Separating mixtures

Start of
KS3

Top 3 tips for parents and carers during KS3

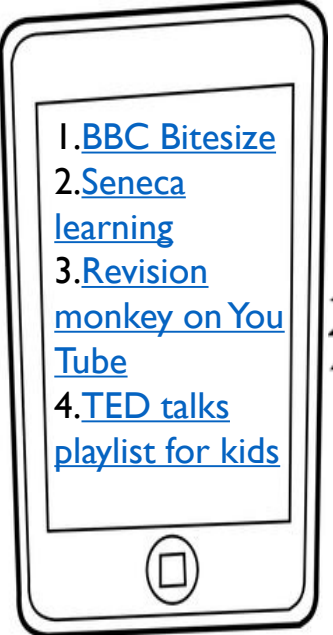


1. Buy a scientific calculator

2. Subscribe to BBC Science focus magazine/watch Royal Institution Christmas lectures

3. Read these books: The bacteria book, The element in the room, Kid Scientists: True tales of childhood, Planetarium

Online learning during KS3



1. [BBC Bitesize](#)
2. [Seneca learning](#)
3. [Revision monkey on YouTube](#)
4. [TED talks playlist for kids](#)

Places to visit during KS3



1. [Jodrell Bank](#)

2. Manchester Museum at University of Manchester or [Science and Industry Museum](#)

3. [Chester Zoo](#)

KS3 Learning Journey for Science