



Science - Year 8



Autumn (Michaelmas) Term

What we are learning...
Chemical reactions
Interdependence
Voltage, resistance & current
Chemical energy

Consolidation
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BBC Bitesize Ecosystems & habitats
BBC Bitesize Current & p.d.
BBC Bitesize Exothermic & endothermic reactions

Deepen & Challenge
Lesson on chemical reactions
Use coins and fruit to make a battery. Build it, test it at school with the voltmeter and see if you can get on the Leader Board.

Spring (Lent) Term

What we are learning...
Digestion
Electromagnets & magnetism
Photosynthesis
The Earth's Structure and resources

Consolidation
Digestion - BBC Bitesize
BBC Bitesize
Bitesize text, videos and quiz on Photosynthesis
Bitesize looking at finite and renewable resources -have a look

Deepen & Challenge
Make a 10 question Kahoot quiz to be used in class.
A booklet on electricity and Magnetism - try 3 or 4 sheets
Visit this FAQ page and use it to make a booklet to help educate people on Climate change
Visit the Earth Science page - pick a classroom activity of interest

Summer (Trinity) Term

What we are learning...
Pressure
Breathing
Circulation
Respiration

Consolidation
BBC Bitesize Guide & quiz
BBC Bitesize Breathing system BBC Bitesize Breathing mechanism
BBC Bitesize Circulatory system
BBC Bitesize Difference between respiration & breathing

Deepen & Challenge
Gas pressure - BBC Bitesize
Research how emphysema, smoking and asthma each affect the breathing system
Brilliant.org Video presentation
Watch the video and write a paragraph to explain the difference between breathing and respiration