



**STOP** End of Year 8 Science  
End of Key Stage 3 Science

Beginning of GCSE Science

**P8.5 Sound**  
How do sound waves work?

**P8.4 Light**  
What is reflection?  
What is refraction?  
How do we see?

Investigating light

Investigating substances cooling

**P8.2 Magnets and Electromagnets**  
What are magnetic fields?  
What are electromagnets and their uses?

Investigating electromagnets

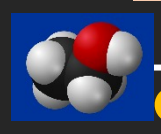
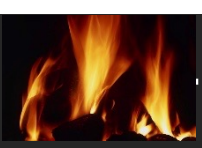
**Physics**

**P8.3 Pressure and Levers**  
What is pressure?  
How do levers work?

**P8.1 Heating and Cooling**  
How is heat energy transferred?  
How can houses be insulated?

Making Compounds

**C8.2 Elements, Compounds and Mixtures**  
How do we name compounds?  
How do we use chemical formulae?



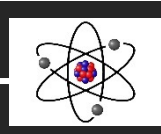
**C8.4 Types of Chemical Reaction**  
What are the differences between physical and chemical change?  
What happens in combustion?

Investigating reactions of metals

**Chemistry**

**B8.4 Inheritance**  
How do we inherit features?  
What are different genetic technologies?

**B8.5 Plants and Climate**  
How do plants reproduce?  
What is photosynthesis?  
How do plants contribute to global cycles?



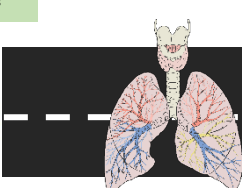
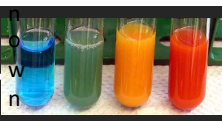
**C8.3 Metals and Non-metals**  
What are key properties of metals and non-metals?  
What are key reactions of metals?

**Biology**

**C8.1 Periodic Table**  
What are the key parts of the periodic table?  
What are the properties of group 0, 1 and 7 elements?

**B8.1 Digestion**  
What is needed for a balanced diet?  
How does the digestive system perform its function effectively?

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**START**

**B8.3 Evolution**  
What is natural selection?  
Why do we want to preserve biodiversity?

Investigating food for energy and food groups.

**B8.2 Breathing and Respiration**  
How does the respiratory system perform its function effectively?  
What are the different types of respiration?