

Combustion

Keywords:

pollution, global, environment, climate, combustion, complete, incomplete, fuel, oxygen

Science Submission

Weekly deadlines will be set by your teacher

Research	Produce a leaflet on global warming and climate change showing the causes, effects and solutions (300 words).	Find out what global warming and climate change are (200 words).	Find out what causes global warming (100 words).
Creative	Produce a poster to show how fireworks work, including the role of combustion and how different chemicals produce different colours. (300 words)	Produce a poster to show how fireworks work, including the role of combustion (200 words)	Produce a poster to show how fireworks work (100 words)
Literacy	Produce a poster to show the difference between complete and incomplete combustion, with real life examples and equations (300 words)	Produce a poster to show the difference between complete and incomplete combustion with real life examples (200 words)	Produce a poster to show the difference between complete and incomplete combustion (100 words).
	I	E	S

Connectives: and; because; also; furthermore; in addition.

Ordering: Firstly, secondly, finally.

Comparing: however, but, in contrast to, on the other hand.

Choose one task from each row- challenge yourself!
All work must be in your own words- not copied and pasted.
You can receive up to 5 merits for your homework based on how much effort you put in!

Food and Nutrition

Keywords:

Digestion, nutrient, carbohydrate, protein, fat, enzyme, energy, growth, repair, insulation

Science Submission

Weekly deadlines will be set by your teacher

Research	Find out what nutrients are in your favourite meal and what the body uses the nutrients for. Then design a healthier version of your meal, identifying why it is better for you (300 words)	Find out what nutrients are in your favourite meal and what the body uses the nutrients for (200 words).	Find out what nutrients are in your favourite meal (100 words).
Creative	Imagine you are a dietician for the British marathon and weightlifting team and produce a menu for each, explaining the similarities and differences. Include the calorific info.	Design a meal for 2 Olympians (a weightlifter and a long distance runner) and explain why it is suitable for them. Use a paper plate to help you!	Design a meal for an Olympian and describe the nutrients in it. Use a paper plate to help you!
Literacy	Produce an informative poster to explain what each organ in the digestive system does and what enzymes do (300 words).	Produce an informative poster to explain what each organ in the digestive system does (200 words).	Produce an informative poster to explain what organs are in the digestive system (100 words).
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The Periodic Table

Keywords:

Mendeleev, element, atom, particle, property, compound, solid, liquid, gas

Science Submission

Weekly deadlines will be set by your teacher

Research	Produce a timeline on the development of the Periodic Table. Include the work of at least 5 scientists (300 words).	Produce leaflet/poster on the development of the Periodic Table. Include the work of Johann Dobereiner, John Newlands and Dimitri Mendeleev (200 words).	Find out how Mendeleev developed the Periodic Table (100 words).
Creative	Make an 'element cube' for a metal and a non- metal from the periodic table. Your science teacher will give you a template. Produce a poster as well to show the properties of metals and non-metals.	Make an 'element cube' for a metal and a non- metal from the periodic table. Your science teacher will give you a template.	Make an 'element cube' for an element from the periodic table. Your science teacher will give you a template.
Literacy	Produce a poster to show how sodium chloride can be made in the lab. Identify the elements and compound and include a word and symbol equation (300 words)	Produce a poster to show the difference between an element and compound with examples (200 words)	Produce a poster to show the difference between an element and a compound (100 words).
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Unicellular Organisms

Keywords:

Unicellular, fungi, bacteria, yeast, pathogenic, respiration, transmission

Science Submission

Weekly deadlines will be set by your teacher

Research	Make a poster to show how unicellular organisms are useful and not useful. Include 2 uses (1 in biotechnology and 1 in health) and 2 diseases. (300 words)	Make a poster to show how unicellular organisms are useful and not useful. Include 2 uses and 2 diseases. (200 words)	Make a poster to show how unicellular organisms are useful and not useful. (100 words)
Creative	Make a model or collage comparing the 3 unicellular organisms. How are they adapted?	Make a model or collage of 2 different unicellular organism. How are they similar and different?	Make a model or collage of a unicellular organism. Label its key organelles.
Literacy	Write a report on a pathogenic disease. How is it caused and cured? Pick a disease that has caused a pandemic. (300 words)	Write a report on a pathogenic disease. How is it caused and cured? Pick a disease that has caused an epidemic.	Write a report on a pathogenic disease. How is it caused and cured? (100 words)
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