

Science Learning



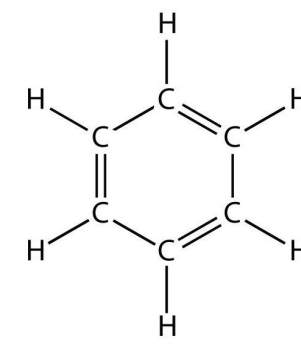
Possible future career paths: *Environmentalist, Astronomer, Pilot, Archaeologist, Marine Biologist, Medical Sciences, Research Scientist, Teacher, Vet*



How cells work together to do different jobs in their body, for example the digestive system

The structure of an Atom and the patterns of reactivity

How atoms bind together to make new compounds



Hydrocarbons, what they are and how was use them

Build on your knowledge of cells, learning how they divide, grow and specialise.

The Periodic Table

Periodic Table of Design

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90

Environmental Chemistry

How is pressure in liquids and gases different to solids?

How is respiration similar and yet different to photosynthesis?

Year 9

PRESSURE & MOMENTS

PHOTOSYNTHESIS

How materials are transported in and out of cells

How do we get energy from food?

What factors affect our breathing?

What is neutralisation?

How we explain resistance to the flow of electricity?

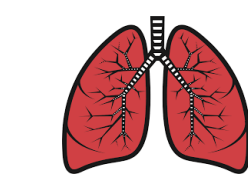
REPRODUCTION & GENETICS

ACIDS & ALKALIS

ELECTRICITY

Year 8

How do organisms affect, or are affected by, their environment?

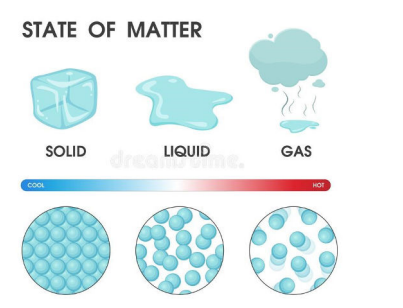


Moving, breathing & respiration

How do compounds react?

How does resistance affect the movement of an object?

How does diet affect my body?



How are mixtures different and what is purity?

ENERGY

FORCES AND MOTION

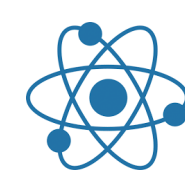
DIGESTION

PARTICLES

How can I show what is happening in a chemical reaction?



Atoms, Elements, Compounds & Mixtures



How are shadows formed?

How can we fine tune our groupings until we have a single "species"?

Why am I different but similar to my parents?

How do organisms survive in different habitats?

How does the balance of nutrients affect my health?

Year 7

EVOLUTION

LIVING THINGS

How do we see things?

How does light travel?



How does the number of batteries in a circuit affect the components in it?

How do we organise organisms into similar groups?

What are the life cycles of an amphibian, insect, bird and mammal?

How do as humans develop in to old age?

Why do boats and planes need to be streamlined?

ELECTRICITY

LIVING THINGS

Are all objects sources of light?



How do scientists draw circuits?

Do all components in a circuit work the same way?

Why do we use different materials?

What are different objects in space like?

Why do objects always fall to the Earth?

What is a force multiplier?

Year 5

MATERIAL CHANGES

EARTH & SPACE

Used results to draw simple conclusions, make predictions, suggest improvements

Record your findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables

Make systematic and careful observations and taken accurate measurements using a range of equipment

Set up simple practical enquiries, comparative and fair tests

Ask relevant questions and use different types of scientific enquiries to answer them.

Year 4 and Below

'If I have seen further, it is because I have stood on the shoulders of giants.' ISACC NEWTON