

OA Suffolk Science Curriculum – KS2

Autumn											
1	2	3	4	5	6	7	8	9	10	11	12
LKS2 Animals including Humans UKS2 Animals Including Humans						LKS2 Plants UKS2 Evolution & Inheritance					
Spring											
1	2	3	4	5	6	7	8	9	10	11	12
LKS2 Light UKS2 Light						LKS2 Rocks UKS2 Electricity					
Summer											
1	2	3	4	5	6	7	8	9	10	11	12
LKS2 Forces and Magnets I UKS2 Linving Things and Their Habitats						LKS2 Forces and Magnets II UKS2 Earth and Space					

OA Suffolk Science Curriculum – KS3 Year 1

Autumn											
1	2	3	4	5	6	7	8	9	10	11	12
The Human Body 1 Levels of organization and Cell structure Digestive and circulatory systems Respiration						Energy, Forces and the Structure of Matter 1 Energy stores and transfers Reducing unwanted energy transfers Energy resources					
Spring											
1	2	3	4	5	6	7	8	9	10	11	12
Elements, Mixtures and Compounds 1 Atoms and elements Compounds and mixtures						The Human Body 2 Infectious diseases and the immune system Medical drugs The nervous and endocrine systems					
Summer											
1	2	3	4	5	6	7	8	9	10	11	12
Energy, Forces and the Structure of Matter 2 Types and effects of forces Speed and stopping distances Radioactivity						Elements, Mixtures and Compounds 2 Metals and Alloys Polymers					

OA Suffolk Science Curriculum – KS3 Year 2

Autumn											
1	2	3	4	5	6	7	8	9	10	11	12
Environment, evolution and inheritance 1 Plants and photosynthesis Adaptations and feeding relationships Environmental change and pollution						Electricity, magnetism and waves 1 Current Wiring a plug and energy transfers in electrical appliances					
Spring											
1	2	3	4	5	6	7	8	9	10	11	12
Chemistry in our world 1 Acids and metals pH and neutralization Rates of reaction						Environment, evolution and inheritance 2 Evolution, natural and artificial selection Sexual and asexual reproduction Genetics and genetic engineering					
Summer											
1	2	3	4	5	6	7	8	9	10	11	12
Electricity, magnetism and waves 2 Magnets and electromagnets Waves						Chemistry in our world 2 The Earth's atmosphere Crude oil and fuels Water for drinking					

OA Suffolk Science Curriculum – KS4 Year 1

Autumn

1	2	3	4	5	6	7	8	9	10	11	12
<p>The Human Body 1</p> <p>Levels of organization and cell structure Digestion and enzyme action Respiration TDA: Effect of exercise on heart rate</p>						<p>Energy, Forces and the Structure of Matter 1</p> <p>Energy stores and transfers Reducing unwanted energy transfers and electricity bills Energy resources TDA: Which material is the best insulator?</p>					

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1	2	3	4	5	6	7	8	9	10	11	12
<p>Elements, Mixtures and Compounds 1</p> <p>Atoms and elements Compounds and mixtures Chemical reactions TDA: Which ink contains the most dyes?</p>						<p>The Human Body 2</p> <p>Infectious diseases and the immune system Medical drugs The nervous and endocrine systems Contraception TDA: The effect of caffeine on reaction time</p>					

Summer

1	2	3	4	5	6	7	8	9	10	11	12
<p>Energy, Forces and the Structure of Matter 2</p> <p>Types and effects of forces Speed and stopping distances Radioactivity TDA: What factors affect stopping distance?</p>						<p>Elements, Mixtures and Compounds 2</p> <p>Metals and Alloys Chemical bonding Polymers TDA: Which metal is the best conductor of heat?</p>					

OA Suffolk Science Curriculum – KS4 Year 2

Autumn

1	2	3	4	5	6	7	8	9	10	11	12
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Environment, evolution and inheritance 1

Plants and photosynthesis
Adaptations and feeding relationships
Environmental change and pollution
TDA: Where do woodlice prefer to live?

Electricity, magnetism and waves 1

Current, potential difference and resistance
a.c. and d.c. current
Wiring a plug and energy transfers in electrical appliances
TDA: Does the length of a wire affect resistance in a circuit?

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1	2	3	4	5	6	7	8	9	10	11	12
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Chemistry in our world 1

Acids and metals
pH and neutralization
Rates of reaction
TDA: How can you make a chemical reaction go faster?

Environment, evolution and inheritance 2

Evolution, natural and artificial selection
Sexual and asexual reproduction
Genetics and genetic engineering

Summer

1	2	3	4	5	6	7	8	9	10	11	12
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Electricity, magnetism and waves 2

Magnets and electromagnets
Waves
TDA: which metals are magnetic?

Chemistry in our world 2

The Earth's atmosphere
Crude oil and fuels
Water for drinking
TDA: is water from the town or country more acidic?