

Science Long Term Plans 2017 – including AstraZeneca units
EYFS, KS1 and KS2

Year Group	AUTUMN	SPRING	SUMMER
A1	<i>“Art Attack”</i> [Focus:- Colour and shape]	<i>“Let’s Go”</i> [How Do I Get There?]	<i>“There’s No Place Like Home”</i> [Who Lives Here?]
A2	<i>“Let’s Party”</i> [Celebrations]	<i>“The Clothes Show”</i> [What We Wear]	<i>“Ready, Steady Grow”</i> [Food and Growth]
B1	<i>“Marvellous Me and Much More”</i> [People I Meet at Home and School] Science curriculum strand: Animals including humans Topic focus: Animals basic needs. Animals have offspring. Food/hygiene/exercise	<i>“Let’s Pretend”</i> Science curriculum strands: Seasonal changes :Materials Topic focus: Seasonal changes Changing materials	<i>“Old McDonald”</i> [Farming] Science curriculum strand: Plants Topic focus: Plant identification, structure and needs Growing
	AstraZeneca units Humans: 1.3 Food, drink and exercise 1.4 Life cycle and growth 1.8 Health	AstraZeneca units Materials 1.3 Changing (No AZ unit for ‘seasonal changes’)	AstraZeneca unit Animals and plants 3.1 Plants
B2	<i>“Toy Story”</i> [Toys] Science curriculum strand: Materials Topic focus: Types of everyday materials Describe and group	<i>“Yummy in my Tummy”</i> [What I Eat] Science curriculum strand: Living things and their habitats Topic focus: Food chains Living, dead, never alive Habitats meet needs of living things	<i>“Splishing and Splashing”</i> [Seaside] Science curriculum strand: Animals including humans Topic focus: Animals, naming and sorting Parts of the human body
	AstraZeneca Units Materials 1.1 Exploring Materials 1.2 Grouping Materials 1.4 separating	AstraZeneca units Animals, plants and environment 2.2 Life cycles and growth 2.1 Body parts 4.2 Further afield	AstraZeneca units: Animals, plants and environment 2.3 food, teeth, claws 4.1 local environment Humans 1.2 Body parts

C1	<p>“What a Load of Rubbish” 2. How does Your Garden Grow?” [Being Green]</p> <p>Science curriculum strands: Materials Light</p> <p>Topic focus: Properties, changing and separating Topic focus: Light</p>	<p>1 “Up, Up and Away!” 2. “Wish You Were Here” [Journeys]</p> <p>Science curriculum strands: Earth and Space Forces and magnets</p> <p>Topic focus: movement of earth, moon, planets Magnetic materials</p>	<p>“Creature Comforts” [Habitats]</p> <p>Science curriculum strand: Living things and their habitats</p> <p>Topic focus: Grouping, classification, similarities and differences – animals and plants</p>
	<p>AstraZeneca units Materials 1.2 Grouping 1.4 Separating Physical processes 1.3 Light Materials 1.1 Grouping and Classifying 1.3 Separating materials Physical processes 1.3 Light</p>	<p>AstraZeneca units Physical processes 1.2 Forces and motion Physical processes 1.2 Forces and motion 1.5 Earth and beyond</p>	<p>AstraZeneca units Animals, plants, environment 4.1 Local Environment Plants & animals 4.5 Living things in their Environment 4.2 Variation</p>
C2	<p>“Horrible Histories” [Past and Present]</p> <p>Science curriculum strands: Evolution and inheritance Rocks</p> <p>Topic focus: Dinosaurs, fossils and rocks</p>	<p>“Emergency 999” [People who Help Us]</p> <p>Science curriculum strands: Electricity Sound</p> <p>Topic focus: appliances, circuits Vibration, pitch, volume</p>	<p>“The Circle of Life”</p> <p>Science curriculum strands: Living things and habitats Animals including humans</p> <p>Topic focus: Life cycles – humans, animals, plants</p>
	<p>AstraZeneca unit Materials 1.5 rocks and weathering (no AZ unit for dinosaurs and fossils)</p>	<p>AstraZeneca units Physical processes 1.1 Electricity 1.4 sound Physical processes 1.1 Electricity 1.4 sound</p>	<p>AstraZeneca units Animals, plants, environment 2.2 Life cycle and growth Humans 1.4 Life cycle and growth Humans 3.1 Life cycles Plants and animals: 4.1 Living things</p>
C3	<p>“Super Heroes and Super Heroines” [Famous People]</p> <p>Science curriculum strand: Animals including humans</p> <p>Topic focus: skeletons, muscles, circulation</p>	<p>“Machines and Monsters” [Things That Move]</p> <p>Science curriculum strands: Electricity Light</p> <p>Topic focus: Circuits and their components, conductors and insulators Topic focus: Light travelling, shadows, Earth’s movement</p>	<p>“Town Mouse and County Mouse” [Towns and Villages]</p> <p>Science curriculum strand: Forces</p> <p>Topic focus: Gravity, resistance, friction, pulleys, levers, gears</p>
	<p>AstraZeneca units Humans 1.5. the heart 1.6 skeleton Humans as organisms 1.3 human skeleton 2.2 Heart and circulation</p>	<p>AstraZeneca units Physical processes 1.1 Electricity 1.3 Light Physical processes 1.1 Electricity 1.3 Light</p>	<p>AstraZeneca units Physical processes 1.2 Forces and motion Physical processes 1.2 Forces and motion</p>

C4	<p>“Brilliant Bodies” [How does My Body Work]</p> <p>Science curriculum strand: Animals including humans</p> <p>Topic focus: The digestive system, teeth Drugs, exercise, lifestyle, nutrition</p>	<p>“The World on My Plate”</p> <p>Science curriculum strand: Living things and their habitats</p> <p>Topic focus: Plants, including reproduction Food chains</p>	<p>“Water, Water Everywhere!” [Rives and Coasts]</p> <p>Science curriculum strands: Materials (states of matter) Rocks</p> <p>Topic focus: Materials. Solids, liquids, gases. The water cycle</p>
	<p>AstraZeneca units</p> <p>Humans 1.8 Health 1.3 Food, drink and exercise</p> <p>Humans 1.2 Teeth and dental care 1.1 Body parts and senses 2.3 Drugs and medicines</p> <p>Plants and animals 4.3 Microbes</p>	<p>AstraZeneca units</p> <p>Animals and plants 2.2 Life cycle and growth 3.1 Plants</p> <p>Plants and animals 4.4 Plants 4.2 variation</p>	<p>AstraZeneca units</p> <p>Materials 1.3 Changing, 1.4 Separating Materials 1.2 Changing 1.3 Separating 1.5 Rocks and weathering</p> <p>(No AZ unit for the water cycle)</p>

A = EYFS B = KS1 C = KS2

AstraZeneca units are given as suggestions for most topics but it is not a requirement that these are used. They are not a prescription for what to teach but may be useful starting points.

In some cases there are no AZ units that cover certain topics, in other cases there are several. Teachers are free to base their MTPs on any resources which meet the need of their pupils and of the NC.

AstraZeneca units listed in brown cover levels P1 to Step 1. Those in silver cover Steps 1 to 4

AstraZeneca units can be found in Docs/curriculum/curriculum2014/science/resources

Or Springwooddocs/science