

Topics that must be covered (following NC guidelines)

Year 1

<u>National Curriculum Topic</u>	<u>Planbee Name / Resources</u>	<u>Term in which it is covered</u>	<u>Famous Scientist/Inventor</u>
Animals including humans	My body	Autumn 1	Linda Brown Buck - noses detect smells
Animals including humans	Identifying animals	Autumn 2	George Mottershead - founded Chester Zoo
Seasonal changes	Seasonal changes	Spring 1	George James Symons - invented the rain gauge
Everyday materials	Everyday materials	Spring 2	Ole Kirk Christensen - inventor of Lego (materials)
Plants	Identifying plants	Summer 1	
	Investigations and Scientists	Summer 2	

Year 2

<u>National Curriculum Topic</u>	<u>Planbee Name / Resources</u>	<u>Term in which it is covered</u>	<u>Famous Scientist</u>
Use of everyday materials	Exploring everyday materials	Autumn 1	Charles Macintosh - first waterproof material
Animals including humans	Growth and survival	Autumn 2	Elizabeth Garrett Anderson - first woman doctor Louis Pasteur - discovered germs
Plants	Growing plants	Spring 1	Jane Colden - first woman botanist Tim Smit / Nicholas Grimshaw - Eden project / biomes

Living things and their habitat	Living in habitats	Spring 2	Rachel Carson - studied ocean habitats.
	Super Scientists	Summer 1	James Blythe - Wind Turbine

Year 3

<u>National Curriculum Topic</u>	<u>Planbee Name / Resources</u>	<u>Term in which it is covered</u>	<u>Famous Scientist</u>
Rocks	Rocks fossils and soils	Autumn 1	William Smith - patterns of fossils Mary Anning - fossils
Animals including humans	Health and movement	Autumn 2	Marie Curie - developed the use of x-rays to help us see skeletons
Light	Light and shadow	Spring 1	Thomas Eddison - lightbulb and benefits of electricity
Forces and Magnets	Forces and magnets	Spring 2	
Plants	How plants grow	Summer 1	George Washington Carver - came up with more than 100 uses of a peanut David Douglas - introduced pines and the flowering currant to Britain. Tom Hart Dyke hunts rare plants such as orchids.

			Jeanne Baret - introduced 70 plants to Europe Sir Joseph Banks - introduced 80 species of plants
Scientists and Investigations		Summer 2	Inge Lehmann - waves of energy caused by earthquakes.

Year 4

<u>National Curriculum Topic</u>	<u>Planbee Name / Resources</u>	<u>Term in which it is covered</u>	<u>Famous Scientist</u>
Sound	Changing Sound	Autumn 1	Alexander Graham Bell - invention of the telephone James West and Gerhard M. Sessler - invented microphones used in phones
States of matter	States of matter	Autumn 2	William Thomson/ Lord Kelvin - discovery of absolute zero (coldest temperature)
Living things and their habitats	Living in environments	Spring 1	David Attenborough - animals groups / habitats Gerard Durrell - conservationist who worked hard to protect Madagascar's plants and animals
Animals including humans	Eating and Digestion	Spring 2	Washington Sheffield - American dentist and he

			was famous for inventing the first modern toothpaste in a tube.
Electricity	Circuits and Conductors	Summer 1	Thomas Edison - Electricity Garrett Morgan - traffic lights Lewis Howard Latimer - development of the modern lightbulb with a carbon filament
	Scientists and Investigations	Summer 2	Maria Telkes - discoveries around solar power Antoine Lavoisier and Joseph Priestley - discovery of oxygen

Year 5

<u>National Curriculum Topic</u>	<u>Planbee Name / Resources</u>	<u>Term in which it is covered</u>	<u>Famous Scientist</u>
Properties of changes and materials	Properties and changes of materials	Autumn 1	Ruth Benerito - invented wrinkle free cotton Maria Beasley - invented life rafts Stephanie Kwolek - invented Kevlar - cars / bulletproof vests
Forces	Forces in action	Autumn 2	Isaac Newton - Forces / Gravity

			Galileo Galilei - Forces
Earth and Space	Earth and Space	Spring 1	Albert Einstein - theory of relativity - stars Mae Jemison - first black woman to go to space Stephen Hawking - Black Holes Margaret Hamilton - worked for NASA / Apollo Neil de'Grasse Tyson - reclassified Pluto as a dwarf planet
Animals including humans	Changes and reproduction	Spring 2	
Living things and their habitat	Life Cycles	Summer 1	Eva Crane - life cycle of bees Jane Goodall
	Scientists and Investigations	Summer 2	David Attenborough - animals and their behaviours Leonardo da Vinci

Year 6

<u>National Curriculum Topic</u>	<u>Planbee Name / Resources</u>	<u>Term in which it is covered</u>	<u>Famous Scientist</u>
Evolution and inheritance	Evolution and inheritance	Autumn 1	Charles Darwin - evolution Mary Leakey - fossils as evolution

Animals including humans	Healthy Bodies	Autumn 2	Edward Jenner - vaccines Alexander Fleming - invented penicillin Dr Daniel Hale Williams - first person to do open heart surgery Marie Maynard Daly- heart and circulatory system affected by sugar
Electricity	Changing circuits	Spring 1	Andre Marie Ampere - invented electro currents Nikola Tesla - currents Steve Jobs - electricity and computers
Living things and their habitat	Classifying organisms	Spring 2	Libbie Hyman - classifying invertebrates
Light	Seeing light	Summer 1	
	Scientists and Investigations	Summer 2	Stephen Hawking - universe and black holes