

Kibblesworth Academy Class plan - Birch 2023 2024



Dynamic Dynasties

History



Firedamp and Davy Lamps

History



Sow, Grow and Farm

Geography



Groundbreaking Greeks

History

		History		
Suggested text	Bronze and Sunflower – Cao Wenxuan. [Investigating Our World] - Collins Junior Atlas - Stephen Scoffham and Collins Kids		The Secret Garden - Frances Hodgson Burnett	Who Let the Gods Out? - Maz Evans
Memorable experience	The Yellow Emperor and the Xia Dynasty. [Moving Mechanisms] - Exploring pneumatics. [Taotie] - Exploring taotie motifs	Mining museum visit - Woodhorn Museum	Allotment visit	Time team
Innovate challenge	Life after the Shang Dynasty. [Moving Mechanisms] - Designing and making a pneumatic prototype. [Taotie] - Making taotie pieces	Exhibition of mining heritage	Market gardeners	The ancient Greeks' greatest idea
Geography	[Investigating Our World] - Ordnance Survey maps; Contour lines; Six-figure grid references; Time zones; Climate zones; Vegetation belts; Biomes; Human geography; World cities; Sustainable manufacturing processes; Relatives locations and distances; Transport networks; Settlement hierarchy; Local enquiry; Fieldwork	Natural resources; Sketch maps; Energy	Land use in the UK; Allotments; Farming in the UK; Maps; Grid references; Climate zones; Physical features of North and South America; Farming in North and South America; Food transportation	Interpreting geographical sources
English	Narrative poems; Biographies; Stories from another culture	Explanations; Inference	Non-chronological reports; Diaries; Leaflets; Balanced arguments	Greek myths; Balanced arguments; Playscripts; Odes
Art and design	[Tints, Tones and Shades (Y5)] - Colour theory; Colour wheel; Mixing tints, shades and tones; Landscapes. [Taotie] - Taotie motifs; Casting methods; Watercolour	Art appreciation – Pitmen Painters; Sketching	Still life	
Design and technology	[Moving Mechanisms] - Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes		Seasonality	



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Ancient China; Timelines and chronology; Shang Dynasty; Sources and artefacts; Oracle bones and religious beliefs; Bronze Age in ancient China; Historical enquiry; Significance of jade and silk; Power and social hierarchy; Everyday life; Warfare; Significant individual – Di Xin; End of the Shang Dynasty; Bronze Ages around the world; Life after the Shang Dynasty; Legacy

Timelines; The Industrial Revolution; Mining disasters; Mining strikes Dig for Victory

Ancient Greek periods -Minoan civilisation, Mycenaean civilisation, Dark Age, Archaic period, Classical period, Hellenistic period; Chronology and timelines; Primary and secondary sources; City states; Democracy; Role of men and women; Social hierarchy; Great Athenians; the Acropolis; Greek art, culture, architecture, philosophy, medicine and mathematics; Olympic Games; Alexander the Great; End of the Greek Empire; Legacy

Personal, social and health education

Science

Health and safety rules; Opinions

Rocks; Properties of materials

Debating topical issues

Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming



Interconnected World





Science

Food and the Digestive System



Sound





States of Matter

Science

Suggested text	Collins Primary Atlas - Collins Kids			
Innovate challenge		Let's investigate focus: Planning and carrying out	Let's investigate focus: Planning and carrying out	Let's investigate focus: Observing, measuring and recording
Geography	Compass points; Four and six- figure grid references; Tropics of Cancer and Capricorn; Countries, climate and culture of North and South America; Significant physical features of the UK; Renewable and non- renewable energy; National Rail network; UK canal network; Fieldwork; Local enquiry			

Science

Producers and consumers; Ecosystems; Food chains and food webs; Changes in ecosystems; Digestive system; Teeth types – incisors, canines, premolars, molars; Teeth health and dental hygiene; Working scientifically – Identifying and classifying, Observing changes over time, Comparative test, Pattern seeking, Research Sound facts; Investigating sound; Sound waves; How we hear sounds; Muffling sound investigation; Volume and distance investigation; Changing the volume of sound investigation; Changing the pitch of sound investigation; Investigation sound further; Working scientifically – Identifying and classifying, Comparative test, Pattern seeking, Research

Classifying solids, liquids and gases; Unusual materials; Particle theory; Change of state; Melting, freezing, evaporation and condensation; States of water; Measuring temperature; Investigating melting; Line graphs; Researching melting and boiling points; Working scientifically – Observing changes over time, Identifying and classifying, Pattern seeking, Comparative test, Research



Grouping and Classifying

classifying, Pattern seeking,

Research

Science





Science

Electrical Circuits and Conductors



Y5 Computing





Y4 WRM - Spring (v3.0)

Mathematics

Mathematics				Block 1: Number – Multiplication and division; Block 2: Measurement – Length and perimeter; Block 3: Number – Fractions; Block 4: Number – Decimals
Innovate challenge	Let's investigate focus: Reporting and concluding	Designing and making a nightlight		
Geography		Sustainable energy sources		
Design and technology		Making switches; Programmable technologies; Programming a micro:bit; Designing and making a nightlight; Incorporating programming and circuits in products		
Computing			Staying safe online; Evaluating digital content; Algorithms and debugging; Using data	
Science	Types of classification; Taxonomy; Understanding and creating classification keys; Animal kingdom; Plant kingdom; Classifying new discoveries; Working scientifically – Identifying and classifying Pattern cooking	Sources of electricity; Electrical devices; Electrical components; Series circuits; Complete and incomplete circuits; Conductivity; Conductors and insulators; Wired plugs; Incandescent		

scientifically – Identifying and classifying, Pattern seeking, Comparative test, Research

light bulbs; Future of

electricity; Working

Mathematics



Passover

Religious education



Holi

Religious education



Pentecost

Religious education

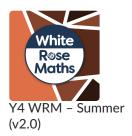


Y4 WRM - Autumn (v3.0)

Mathematics

Block 1: Number - Place value; Block 2: Number - Addition and subtraction; Block 3: Measurement - Area; Block 4 Number - Multiplication and division

Memorable experience	Special meal	Meaning of colour	Learning languages
Innovate challenge	Thinking about freedom	Exploring needs	Exploring communities



Mathematics

Mathematics

Block 1: Number – Fractions, decimals and percentages, Recognise, order and compare decimals; Block 2: Measurement – Problems (measurement), Money, Converting units; Block 3: Measurement – Time, Converting units; Block 4: Statistics – Construct, read and interpret, Problems (statistics); Block 5: Geometry – Shape, Patterns and symmetry, Angles; Block 6: Geometry – Position, direction and coordinates