



Kibblesworth Academy

Class plan - Year 5 2023 2024



Dynamic Dynasties

History



Firedamp and Davy Lamps

History



Sow, Grow and Farm

Geography



Groundbreaking Greeks

History

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. [Line, Light and Shadows] - Continuous line drawing; Significant artists – Pablo Picasso and Rembrandt; Shading techniques; Drawing on black paper; Black and white photography. [Nature's Art] - Land art; Natural materials; Relief sculpture; Installations	[Mixed Media] - Paper crafts; Papermaking; Paper, fabric, mixed media and surreal photo collage; Mixed media artwork. [Expression] - Expressionist art movement; Significant artist – Edvard Munch; Portrait photography; Expression; Self-portraits
Suggested text	Bronze and Sunflower – Cao Wenxuan		The Secret Garden - Frances Hodgson Burnett	Who Let the Gods Out? – Maz Evans
Memorable experience	The Yellow Emperor and the Xia Dynasty. [Taotie] - Exploring taotie motifs. [Moving Mechanisms] - Exploring pneumatics	Mining museum visit	Allotment visit. [Line, Light and Shadows] - Line up!. [Nature's Art] - Working outdoors. [Eat the Seasons] - Seasonality	Time team. [Mixed Media] - Paper craft. [Expression] - What is Expressionism?. [Architecture] - Architecture over time
Innovate challenge	Life after the Shang Dynasty. [Taotie] - Making taotie pieces. [Moving Mechanisms] - Designing and making a pneumatic prototype	New exhibition	Market gardeners. [Line, Light and Shadows] - Creating artwork with line, light and shadows. [Nature's Art] - Creating an installation. [Eat the Seasons] - Seasonal soups	The ancient Greeks' greatest idea. [Mixed Media] - Creating mixed media artwork. [Expression] - Creating an Expressionist-style painting. [Architecture] - Building design
Geography		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
History	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; 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		Health and safety rules; Opinions	Debating topical issues	



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Science		Rocks; Properties of materials	Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming	
English	Narrative poems; Biographies; Stories from another culture	Explanations; Inference	Non-chronological reports; Diaries; Leaflets; Balanced arguments	Greek myths; Balanced arguments; Playscripts; Odes
Design and technology	[Moving Mechanisms] - Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes		Seasonality. [Eat the Seasons] - Cooking; Nutrition	[Mixed Media] - Fabric and mixed media collage; Stitching and embellishment. [Architecture] - Architecture over time; Greek architecture; Structural support, stiffness and stability; Computer-aided design; Building design



Investigating Our World

Geography



Forces and Mechanisms

Science



Earth and Space

Science



Human Reproduction and Ageing

Science

Suggested text	Collins Junior Atlas - Stephen Scoffham and Collins Kids			
Innovate challenge		Let's investigate focus: Observing, measuring and recording	Let's investigate focus: Research	Let's investigate focus: Reporting and concluding
Geography	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			
Science		Contact and non-contact forces; Gravity; Mass and Weight; Discovering gravity – important scientists; Friction; Air resistance; Water resistance; Mechanisms – levers, pulleys, gears; Investigating forces and mechanisms; Working scientifically – Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking	The Solar System; Scientists of the past who discovered how the Solar System works; The Earth, Sun and Moon; Planets and stars are spherical; Daytime and night time; Sundials; Day length and the seasons; Times of the day around the world; The phases of the Moon; Lunar and solar eclipses; Working scientifically – Identifying and classifying, Research, Changes over time, Pattern seeking	Animal life cycles; Stages and processes; Classifying mammals; Mammalian life cycles; Interpreting scatter graphs; Human life cycle; Human gestation stage; Human juvenile stage; Human adolescent stage; Puberty; Venn diagrams; Interpreting line graphs; Human sexual reproduction; Human ageing; Working scientifically – Observing changes over time, Identifying and classifying, Pattern seeking, Comparative test, Research



Properties and Changes of Materials

Science



Holi

Religious education



Pentecost

Religious education



Passover

Religious education

Memorable experience

Meaning of colour

Learning languages

Special meal

Innovate challenge

Let's investigate focus:
Planning and carrying out

Exploring needs

Exploring communities

Thinking about freedom

Science

Properties of materials;
Thermal conductivity;
Measuring temperature;
Thermal insulators; Solubility;
Heterogeneous and homogeneous mixtures;
Sieving; Filtration;
Evaporation; Separating unusual mixtures; Reversible and irreversible changes;
Innovative materials; Working scientifically - Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking

Religious education

Meaning of colour; Holi celebrations; Needs

Pentecost; Community

Plagues of Egypt; Seder plate; Traditions and customs; Freedom



Y5 WRM – Summer (v2.0)

Mathematics



Y5 WRM – Spring (v3.0)

Mathematics



Y5 WRM – Autumn (v3.0)

Mathematics



Y5 Computing

Computing

Mathematics

Block 1: Number – Recognise, order and compare decimals, Addition with decimals, Subtraction with decimals, Problems (decimals and percentages); Block 2: Geometry– Shape, Angles; Block 3: Geometry– Patterns and symmetry, Position, direction and coordinates; Block 4: Measurement– Problems (measurement), Converting units; Block 5: Measurement – Volume and capacity

Block 1: Number – Multiplication and division; Block 2: Number – Fractions; Block 3: Number – Decimals and percentages; Block 4: Measurement – Perimeter and area; Block 5 – Statistics

Block 1: Number – Place value; Block 2: Number – Addition and subtraction; Block 3: Number – Multiplication and Division; Block 4: Number – Fractions

Computing

Staying safe online; Evaluating digital content; Algorithms and debugging; Using data