



Upper Durham Dales Federation
Rookhope, St John's Chapel and Wearhead Primary Schools
KS2 Curriculum Plan 2022-2023 Year A



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p style="text-align: center;">Dynamic Dynasties</p> <p>This project teaches children about the history of ancient China, focusing primarily on the Shang Dynasty, and explores the lasting legacy of the first five Chinese dynasties, some of which can still be seen in the world today.</p>		<p style="text-align: center;">Rocks, Relics and Rumbles</p> <p>This project teaches children about the features and characteristics of Earth's layers, including a detailed exploration of volcanic, tectonic and seismic activity.</p>		<p style="text-align: center;">Maafa</p> <p>This project teaches children about Africa past and present and the development of the slave trade. It also explores Britain's role in the transatlantic slave trade, the causes and consequences of the European colonisation of Africa and the worldwide communities that make up the African diaspora.</p>	
	<p>Memorable Experience: The Yellow Emperor and the Xia Dynasty</p> <p>Innovate challenge: Life after the Shang Dynasty</p>		<p>Memorable Experience: Let's rock!</p> <p>Innovate challenge: Red Alert!</p>		<p>Memorable Experience: Exploring Africa today</p> <p>Innovate challenge: Inspirational black Britons</p>	
English Genres	Letters; descriptive writing; traditional stories/myths; stories from other cultures		Non-chronological reports; Poetry; Newspaper reports; Diaries		Newspaper reports; Persuasive letters; Non-chronological reports; Acrostic poems	
Class text	The Firework-Maker's Daughter – Philip Pullman		Escape from Pompeii– Christina Balit		Freedom - Catherine Johnson	
Spelling	RWI Spelling		RWI Spelling		RWI Spelling	
Maths	White Rose Maths		White Rose Maths		White Rose Maths	

Science Y3/4	<p align="center">Electrical Circuits and Conductors</p> <p>This project teaches children about electrical appliances and safety. They construct simple series circuits and name their parts and functions, including switches, wires and cells. They investigate electrical conductors and insulators and identify common features of conductors. It also teaches children about programmable devices. They combine their learning to design and make a nightlight.</p>		<p align="center">Forces and Magnets</p> <p>This project teaches children about contact and non-contact forces, including friction and magnetism. They investigate frictional and magnetic forces, and identify parts of a magnet and magnetic materials.</p>	<p align="center">Plant Nutrition and Reproduction</p> <p>This project teaches children about the requirements of plants for growth and survival. They describe the parts of flowering plants and relate structure to function, including the roots and stem for transporting water, leaves for making food and the flower</p>	<p align="center">Light and Shadows</p> <p>This project teaches children about light and dark. They investigate the phenomena of reflections and shadows, looking for patterns in collected data. The risks associated with the Sun are also explored.</p>
Science Y5/6	<p align="center">Forces and Mechanisms</p> <p>This project teaches children about the forces of gravity, air resistance, water resistance and friction, with children exploring their effects. They learn about mechanisms, their uses and how they allow a smaller effort to have a greater effect.</p>	<p align="center">Earth and Space</p> <p>This project teaches children about our Solar System and its spherical bodies. They describe the movements of Earth and other planets relative to the Sun, the Moon relative to Earth and the Earth's rotation to explain day and night.</p>	<p align="center">Electrical Circuits and Components</p> <p>This project teaches children about electrical circuits, their components and how they function. They recognise how the voltage of cells affects the output of a circuit and record circuits using standard symbols. It also teaches children about programmable devices, sensors and monitoring. They combine their learning to design and make programmable home devices.</p>	<p align="center">Circulatory System</p> <p>This project teaches children about the transport role of the human circulatory system, its main parts and their primary functions. They learn about healthy lifestyle choices and the effects of harmful substances on the body.</p>	
Geography	<p align="center">Investigating Our World</p> <p>This essential skills and knowledge project teaches children about locating map features using a range of methods. They learn about the Prime Meridian, Greenwich Mean Time (GMT), and worldwide time zones and study interconnected climate zones, vegetation</p>		<p>Layers of the Earth; Rocks; Plate tectonics; Ring of Fire; Features of volcanoes; Lines of latitude and longitude; Volcanic eruptions; Earthquakes and tsunamis; Compass points; Maps</p>	<p align="center">Our changing world</p> <p>Africa – countries, land use, natural resources, location, settlements, population, climate and physical features</p> <p>Features of Earth including the Arctic and Antarctic Circles; Time zones, Latitude and</p>	

	belts and biomes. Children learn about human geography and capital cities worldwide before looking at the UK motorway network and settlements. They carry out an enquiry to identify local settlement types.		longitude; Map scale; Grid references, contours and symbols; Climate change, extreme weather and people; Worldwide trade; Natural resource management; Road safety; Fieldwork; Settlement patterns; Local enquiry
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	Significant people – Mary Anning; Pompeii	Ancient African kingdoms; Development of the transatlantic slave trade; Britain's role in the slave trade; Human impact; Everyday life on plantations; Rebellion and marronage; Causes and consequences of the abolition of the slave trade and slavery; Colonisation of Africa; Black people in 20th century Britain; Race Relations Act; Equality Act; Significant black Britons; Multiculturalism
Art & Design	Taotie This project teaches children about the significance and art of the taotie motif, including ancient and contemporary casting methods.	Ammonite: This project teaches children about artistic techniques used in sketching, printmaking and sculpture. Memorable experience: Exploring Ammonites Innovate challenge: Sculpting ammonites	Trail blazers, barrier breakers This project teaches children about significant black artists and their work, and provides opportunities to analyse and create artwork inspired by them. Memorable experience: Exploring trailblazers Innovate challenge: Inspired artwork
DT	Moving Mechanisms This project teaches children about pneumatic systems. They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.	Making It Move This project teaches children about cam mechanisms. They experiment with different shaped cams before designing, making and evaluating a child's automaton toy.	Food for Life This project teaches children about processed food and healthy food choices. They make bread and pasta sauces and learn about the benefits of whole foods. They plan and make meals as part of a healthy daily menu, and evaluate their completed products.
PSHE/RSE			
Music	Provision by Durham Music Service General music skills	Provision by Durham Music Service Ukulele	Provision by Durham Music Service Violin

			Easter songs		Leaver's Assembly Songs	
PE						
	Games – Football Play competitive games and apply basic principles.	Games – Netball Play competitive games and apply basic principles.	Dance/Gymnastics Develop flexibility, strength, technique, control and balance.	Games – Hockey Play competitive games and apply basic principles.	Fundamentals – Tennis Play competitive games and apply basic principles.	Fundamentals – Athletics/Archery/Frisbee Golf/Rounders Develop flexibility, strength, technique, control and balance. Use running, jumping, throwing and catching in isolation and in combination.
RE Y3/4	Why is the Bible important to Christians?	How and why is Advent important to Christians?	What do Hindus believe?	What do Christians remember on Palm Sunday?	What can we learn about Christian worship and beliefs by visiting churches?	
RE Y5/6	Why is Moses important to Jewish people? Why do Jewish people go to the synagogue?	What are the themes of Christmas?	What do Christians believe about God?	Why is the Last Supper so important to Christians?	Why do people use rituals today?	
Computing Y3/4	Information Technology Posters – MacMillan Coffee Morning (pages iPad) Create simple ppt based around topic, extend by adding in animations and transitions Typing Skills, Mouse Skills Online Safety Barefoot Computing – You're The Jury Computer Science Lego WeDo – Create a moving system e.g. barrier, design using drawing app appropriate		Information Technology Create a booklet using publisher about different volcanos Typing Skills, Mouse Skills Online Safety Safer Internet Day – <i>possible parents' assembly</i> Computer Science Microbit Display different messages when buttons are pressed or when device is shaken or changes temperature.		Information Technology Imovie – news report, reporting on events learnt about during topic Typing skills, mouse skills Online Safety Device Free moments (common sense media) Computer Science Rapid Router – Levels 1-18	

	to age, program through scratch, debug throughout building stage and programming						
Computing Y5/6	<p>Information Technology Posters – Christmas Play/Christingle (Pages iPad) Create PPT on Microbit product – ext children importing videos they have recorded using the product Typing Skills, Mouse Skills</p> <p>Online Safety Online Streaming – Good and Bad Attention (Thinkuknow)</p> <p>Computer Science Micro:bit – create a multifunctioning tool to use in the classroom, children to design what the different functions will do, program and design. Children to present their product</p>			<p>Information Technology Excel spreadsheets – inputting data, retrieving data, creating charts, answering questions from a prepared spreadsheet Typing skills, mouse skills</p> <p>Online Safety Safer Internet Day – <i>possible parents' assembly</i></p> <p>Computer Science Create an interactive story (without using a template) which has different endings depending on the choices made. (ppt)</p>	<p>Information Technology Photo editing – paint.net Use photos from a visit and edit adding layers, graphics, etc.. Ext – insert into a document and use for an information document Typing skills, mouse skills</p> <p>Online Safety My media choices (common sense media)</p> <p>Computer Science Lego WeDo – using scratch to program, using sensors to create a moving system</p>		
French Y3/4 (Language Angels)	I'm learning French (Early)	Phonetic1 and 2 (Core)	My Home (Intermediate)	Ancient Britain (Early)	Presenting Myself (Intermediate)	Family (Intermediate)	At the café (Intermediate)
French Y5/6 (Language Angels)	Phonetic 3 and 4 (Core)	Do you have a pet? (Inter)	What's the Date (Intermediate)	The Weather (Intermediate)	The Romans (Intermediate)	Habitats (Intermediate)	At school (Intermediate)
Enrichment & Educational Visits	Macmillan cancer coffee morning- Harvest Festival	Children in need- 18/11/2022 Anti- bullying week- 14 th to 18 th November 'Reach out' Christmas production	Safer internet day - 7 th February 2023 'Together for a better internet'	World book day – 02/03/2023 Science week 10 th - 19 th March 'Connections' Comic relief 17/03/2023 Easter service			Leavers' assembly Sports Day KS2 residential

		Christmas lunch				
		Christmas party				