

OAK CLASS – LONG TERM PLANNING 2025/2026

Autumn 1st Half		STEAM FOCUS: TECHNOLOGY ENGINEERING	
BIG QUESTION	How fast can we make an electric buggy go?		
PROJECT OUTCOME	Design and build an electrical buggy.		

STEAM LEARNING			
MATHS	<p>WHITE ROSE MATHS YEAR 6: AUTUMN TERM</p> <ul style="list-style-type: none"> - Place value: Reading and writing numbers to 10 million - Addition and subtraction - Multiplication and division <p>MATHS SHED: Daily practice of number bonds and multiplication tables</p> <p>GEOGRAPHY: Coordinates, direction, grid references</p> <p>DESIGN: Measuring in mm</p> <p>COMPUTING: 3D Modelling, angles, measuring in cm</p>	<p>PLACE VALUE</p> <p>ADD & SUBTRACT</p> <p>MULTIPLY & DIVIDE</p> <p>FRACTIONS</p> <p>MEASUREMENT</p> <p>GEOMETRY</p> <p>STATISTICS</p> <p>ALGEBRA</p> <p>RATIO AND PROPORTION</p>	
ENGLISH	<p>SPELLING: Daily spelling practice (Grouped Spelling patterns)</p> <p>GRAMMAR/PUNCTUATION – Word classes, Modal verbs, Sentence/paragraph structure</p> <p>HANDWRITING – Correct letter formation/ different joins</p> <p>REPORT - UNICEF Children’s rights (Charles)</p> <p>ARGUMENT –Should we build a detention centre in Gobowen?</p> <p>CLASS READ: <i>Holes</i> - Louis Sacher</p>	<p>NARRATIVE</p> <p>BIOGRAPHY</p> <p>DISCURSIVE ARGUMENT/DEBATE</p> <p>EXPLANATION</p> <p>INSTRUCTIONS</p> <p>NEWSPAPER REPORT</p> <p>NON-CHRONOLOGICAL REPORT</p> <p>PERSUASIVE WRITING</p> <p>RECOUNT</p>	
SCIENCE	<p>How important is electricity in our lives.</p> <p>History of electricity. (Human understanding)</p> <p>Compare and give reasons for variations in how components function.</p> <p>Use recognised symbols when representing a simple circuit in a diagram.</p> <p>Build circuits from circuit diagrams and vice versa.</p> <p>Investigate circuits.</p>	<p>WORKING SCIENTIFICALLY</p> <p>PLANTS</p> <p>ANIMALS INCLUDING HUMANS</p> <p>ROCKS, EVOLUTION AND INHERITANCE</p> <p>LIVING THINGS AND THEIR HABITATS</p> <p>MATERIALS</p> <p>STATES OF MATTER</p> <p>LIGHT</p> <p>SOUND</p> <p>ELECTRICITY</p> <p>FORCES</p> <p>SEASONAL CHANGES, EARTH & SPACE</p>	
HISTORY		<p>SETTLEMENTS</p> <p>BELIEFS</p> <p>CULTURE PASTIMES</p> <p>LOCATION</p> <p>MAIN EVENTS</p> <p>FOOD FARMING</p> <p>TRAVEL EXPLORE</p> <p>CONFLICT</p> <p>SOCIETY</p> <p>ARTEFACTS</p>	
GEOGRAPHY	<p>Human geography, including: settlements, land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals, and water supplies.</p> <p>Use the eight points of a compass, four figure grid references, symbols and a key to communicate knowledge of the United Kingdom and the world.</p> <ul style="list-style-type: none"> - Look at the transport networks that connect Gobowen to the rest of the world. - Study the Canal systems in the area – Aqueduct Canal Walk - Use maps to navigate – Aqueduct Canal Walk - Collect evidence of how the canal has been used 	<p>LOCATION</p> <p>PHYSICAL FEATURES</p> <p>HUMAN FEATURES</p> <p>DIVERSITY</p> <p>PHYSICAL PROCESSES</p> <p>HUMAN PROCESSES</p> <p>TECHNIQUES</p>	
ART	<p>Self portraits Week 1</p> <p>Class swaps Mrs Cameron</p> <p>Select and record from first hand observation, experience and imagination</p> <p>Explore ideas for different purposes.</p> <p>Question and make thoughtful observations about starting points</p> <p>Select ideas to use in their work.</p> <p>Explore the roles and purposes of artists working in different times and cultures.</p>	<p>MEDIA AND MATERIALS</p> <p>TECHNIQUES</p> <p>EFFECTS</p> <p>COLOUR THEORY</p> <p>EMOTIONS</p> <p>ARTISTS AND ARTISANS</p> <p>STYLES AND PERIODS</p> <p>VISUAL LANGUAGE</p> <p>PROCESS</p>	

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DESIGN TECHNOLOGY	<p>Explore and evaluate existing car designs Choose materials based on their qualities Apply understanding of how to strengthen complex structures Draw plans and diagrams for buggies Make prototypes using K'nex Construct frameworks for buggies using 3D printer Give a report using technical vocabulary</p>	<p>TECHNICAL KNOWLEDGE PRACTICAL KNOWLEDGE DESIGN INSPIRATION DESIGN PROCESS FOOD CONSTRUCTION TEXTILES SHEET MATERIALS</p>
COMPUTING	<p>TINKER CAD - Create car chassis using 3D Modelling</p> <ul style="list-style-type: none"> - Adding shapes - Re-sizing - Connecting shapes - Cutting holes 	<p>E-SAFETY HANDLING DATA MULTIMEDIA PROGRAMMING TECHNOLOGY IN OUR LIVES</p>
PHYSICAL EDUCATION	<p>ATHLETICS – improving performance – Athletics awards 60m, 60m Hurdles, 200m, Standing long jump, Standing high jump, Cricket ball</p> <p>GAMES – Invasion games – Basketball</p> <ul style="list-style-type: none"> - Tactical awareness - Passing the ball - Finding space <p>Class Swap – Mr Flack</p>	<p>ATHLETICS GAMES GYMNASTICS DANCE HEALTH AND FITNESS OUTDOOR AND ADVENTUROUS SWIMMING</p>
MUSIC	<p>Class Swap – Mr Griffiths</p> <p>Listen to a wide range of music Identify a rough period when music could have been written/composed. Identify where different musical traditions originate from.</p>	<p>SINGING LISTENING TO MUSIC PULSE AND RHYTHM MELODY AND ACCOMPANIMENT CONTROL OF INSTRUMENTS COMPOSITION READING AND WRITING NOTATION PERFORMANCE SKILLS EVALUATING AND APPRAISING</p>
RELIGIOUS EDUCATION	<p>Define the terms 'theist', 'atheist' and 'agnostic' and give examples of statements that reflect these beliefs Identify and explain what religious and non-religious people believe about God Make clear connections between what people believe about God and the impact on how they live Give evidence and examples to show how Christians sometimes disagree about what God is like Reflect on ways in which believing in God is valuable in the lives of believers, and ways it can be challenging Make connections between belief and behaviour in their own lives, in the light of their learning.</p>	<p>CHRISTIANITY HINDUISM ISLAM JUDAISM BUDDHISM SIKHISM NON-RELIGIOUS VIEWS</p>
PSHE AND CITIZENSHIP	<p>Class charter Respectful relationships Stereotypes Resolving conflicts Change and loss English Lesson: Research, discuss and debate topical issues (Youth crime) English Lesson: Know that children have their own special rights English Lesson: UNICEF Children's Rights – Oxfam (Charles's Story)</p>	<p>RIGHTS AND RESPONSIBILITIES HEALTH AND WELL-BEING DRUGS AWARENESS RELATIONSHIPS RSE LIVING IN THE WIDER WORLD (SMSC)</p>
FRENCH	<p>Hello French Cities and alphabet Phonics an and in In town - Paris Prepositions Sentence building and competition week</p>	