

BIRCH CLASS – LONG TERM PLANNING 2025/2026

Autumn 2nd Half		STEAM FOCUS: TECHNOLOGY CONSTRUCTION	
BIG QUESTION	How did the ancient Greek water mills work?		
PROJECT OUTCOME	Make a working water mill.		

STEAM LEARNING			
MATHS	<p>Cube numbers</p> <p>Multiplication and division: Multiple and divide 10, 100, 1000</p> <p>Fractions: find equivalent fractions, Convert improper fractions, Compare fractions, Order fractions, Add and subtract fractions, add and subtract from a mixed number.</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>Book: 'The Arrival' – journal and diary writing, inference, prediction, write a narrative about the book.</p> <p>Weekly Grammar Hammer and Spelling shed</p> <p>Class read: Who let the Gods out?</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> <p>POETRY</p>	
SCIENCE	<p>Forces</p> <p>Air resistance/falling objects</p> <p>Lever and pulleys</p> <p>Ancient Greek gears, screws, mills, catapults and the use of steam</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>Locate Greece</p> <p>Human and physical features of Greece</p> <p>Compare ancient Greece to modern day Greece</p>	<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>Mrs Cameron</p> <p>Artist focus: Paul Nash Select and record from first hand observation, experience and imagination, and explore ideas for different purposes. Question and make thoughtful observations about starting points and select ideas to use in their work. Explore the roles and purposes of artists, craftspeople and designers 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	Design and make a working water wheel Construction – drill, cut, join, cam, glue gun – choose materials for function	TECHNICAL KNOWLEDGE PRACTICAL KNOWLEDGE DESIGN INSPIRATION DESIGN PROCESS FOOD CONSTRUCTION TEXTILES SHEET MATERIALS
COMPUTING	Creating media Explain what makes a video effective Identify digital devices that can record video Capture video using a range of techniques Create a storyboard Edit and improve videos	E-SAFETY HANDLING DATA MULTIMEDIA PROGRAMMING TECHNOLOGY IN OUR LIVES
PHYSICAL EDUCATION	Dance What non-locomotor movement is and using it in our dance To perform both non-locomotor and locomotor movements together Communicate the theme of heroes through dance Create interesting and varied dance actions as a group using levels	ATHLETICS GAMES GYMNASTICS DANCE HEALTH AND FITNESS OUTDOOR AND ADVENTUROUS SWIMMING
MUSIC	Mr Griffiths Further understand the differences between semibreves, minims, crotchets and crotchet rests, paired quavers and semiquavers. Understand the differences between 2/4, 3/4 and 4/4 time signatures. Read and perform pitch notation within an octave (e.g. C–C/do–do). Read and play short rhythmic phrases at sight from prepared cards, using conventional symbols for known rhythms and note durations.	SINGING LISTENING TO MUSIC PULSE AND RHYTHM MELODY AND ACCOMPANIMENT CONTROL OF INSTRUMENTS COMPOSITION READING AND WRITING NOTATION PERFORMANCE SKILLS EVALUATING AND APPRAISING
RELIGIOUS EDUCATION	What does it mean to be Muslim in modern day Britain?	CHRISTIANITY HINDUISM ISLAM JUDAISM BUDDHISM SIKHISM NON-RELIGIOUS VIEWS
PSHE AND CITIZENSHIP	Families and Relationships - Respecting Myself Family Life Bullying Stereotyping Gender Stereotypes Race and Religion	RIGHTS AND RESPONSIBILITIES HEALTH AND WELL-BEING DRUGS AWARENESS RELATIONSHIPS RSE LIVING IN THE WIDER WORLD (SMSC)
FRENCH	Mrs Hughes- My Home In the Living Room Prepositions In the Kitchen Sentence building and competition week French Christmas food	