

Coverage of the National Curriculum in Year 5 (Gannet Class) at Marlborough

English Reading Apply knowledge of morphology and etymology when reading new words. Read and discuss a broad range of genres and texts. Identify and discuss themes. Make recommendations to others. Learn poetry by heart. Draw inference and make predictions. Discuss authors' use of language. Retrieve and present information from non-fiction texts. Formal presentation and debate. Writing Secure spelling, including homophones, prefixes, silent letters, etc. Use a thesaurus Legible, fluent handwriting. Plan writing to suit audience and purpose. Develop character, setting and atmosphere in narrative. Use organisational and presentational features. Use consistent appropriate tense Proof-reading Perform own compositions. Grammar Use expanded noun phrases. Use modal and passive verbs. Use commas for clauses. Use relative clauses. Use brackets, dashes and commas for parenthesis. Speaking and Listening Give well-structured explanations. Command of Standard English. Consider and evaluate different viewpoints. Use appropriate register.			Art & Design Use sketchbooks to collect, record and evaluate ideas. Improve mastery of techniques such as drawing, painting and sculpture with varied materials. Learn about great artists, architects, illustrators and designers.		Computing Detect and correct errors in programs and use <i>Scratch</i> and other software to design and write programs to solve problems. Use sequences, repetition, inputs, variables and outputs in programs. File management and maintenance. Understand uses of networks for collaboration and communication. Be discerning in evaluating digital content.
Mathematics Number/Calculation Secure place value to 1,000,000. Use negative whole numbers in context. Use Roman numerals to 1000 (M). Use standard written methods for all four operations. Confidently add and subtract mentally. Use vocabulary of <i>prime</i> , <i>factor</i> and <i>multiple</i> . Multiply and divide by powers of ten. Use square and cube numbers. Geometry and Measures Convert between different units. Calculate perimeter of composite shapes and area of rectangles. Estimate volume and capacity. Identify 3-d shapes. Measure and identify angles. Understand regular polygons. Reflect and translate shapes Data Interpret tables and line graphs. Solve questions about line graphs. Fractions and decimals Compare and order fractions. Add and subtract fractions with common denominators, with mixed numbers. Multiply fractions by units. Write decimals as fractions. Order and round decimal numbers. Link percentages to fractions and decimals.			Design & Technology Use research and criteria to develop products fit for purpose and aimed at specific groups. Use annotated sketches, cross-section diagrams and computer-aided design Analyse and evaluate existing products and improve own work. Use mechanical and electrical systems in own products, including programming. Work with school cook and kitchen team to design and cook healthy multicultural savoury dishes.		Geography Through an in-depth study of Iceland and a polar region, further develop geographical understanding and describe key aspects of locational, physical and human geography, including: latitude, longitude, Equator, hemisphere, tropics, Arctic/Antarctic, meridian, time zones etc; rivers, water cycle, mountains, volcanoes, etc; types of settlement, land use, economic activity and natural resources Use 6-figure grid references in related mapwork and fieldwork to support investigations.
Science Biology Life cycles of plants and animals (including mammal, insect, bird, amphibian). Describe changes as humans develop and mature. Chemistry Classify materials according to a variety of properties. Understand mixtures and solutions. Know about reversible and identify irreversible changes. Physics Understand location and interaction of the Sun. Earth and Moon.			Modern Languages Listen and engage in simple French conversation to learn introductory words and phrases developing appropriate pronunciation. Show understanding of words and phrases. Count. Describe people, places and things. Understand basic grammar including gender. Begin to recognize and read written or printed French vocabulary.		Music Perform with control and expression solo and in ensembles. Improvise and compose using dimensions of music. Listen to detail and recall aurally. Use and understand basics of staff notation. Develop an understanding of the history of music, including great musicians and composers.
History Viking culture and mythology, exploration, raids and invasion. Athens and Sparta in the Peloponnesian war. Aspects of Classical Greek culture, politics, philosophy, art and mythology. Pendennis as the guardian of Falmouth in the days of sail: The packet ship service in the 18 th and 19 th centuries: rivalry with France, stories of the local packet captains, including John Bull and the <i>Duke of Marlborough III</i>			Physical Education Use running, jumping, catching and throwing in isolation and in combination Develop flexibility and control in gym, dance and athletics Compare performances to achieve personal bests. Take part in outdoor and adventurous activities and prove competence in swimming 25 metres if not already achieved. Play competitive games, modified as appropriate		Religious Education Learning about Religion Christianity - the Bible, the way of life; the Church; Christianity in Cornwall. Judaism – יהוה (Yahweh); Torah; family life and Kashrut; festivals and celebrations. Learning from Religion Reflect on belonging to a faith community; living in Cornwall; sources of inspiration, right and wrong. Discuss their own and others' views of religious truth and belief.