Coverage of the National Curriculum in Year 3 (Kittiwake Class) at Marlborough

English

Reading
Use knowledge to read 'exception' words.
Read a range of fiction and non-fiction.
Use dictionaries to check meaning.
Prepare poems and plays to perform.
Check own understanding of reading.
Draw inferences and make Predictions.
Retrieve and record information from non-fiction books.
Discuss reading with others.

Writing
Use prefixes and suffixes in Spelling.
Use a dictionary to confirm Spellings.
Write simple dictated sentences.
Use handwriting joins Appropriately.
Plan to write based on familiar forms.
Rehearse sentences orally for writing.
Use varied rich vocabulary.
Create simple settings and plot.
Assess effectiveness of own and others' writing.

Grammar
Use range of conjunctions.
Use perfect tense.
Use range of nouns and pronouns.
Use time connectives.
Introduce speech punctuation.
Know language of clauses.

Speaking & Listening
Give structured descriptions.
Participate actively in conversation.
Consider and evaluate different viewpoints

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

Design and write programs to achieve specific goals, including solving problems.

Use logical reasoning: algorithms, debugging and computational thinking

Understand computers and networks (Turing machines, decomposition, *Dino Race*, *Rocket*, *Music Machine 1*).

Use the internet safely and appropriately.

Collect and present data appropriately.

Mathematics

Number/Calculation
Learn 3, 4 and 8 x Tables.
Secure place value to 1000.
Mentally add and subtract units, tens or hundreds to numbers of up to 3 digits.
Written column addition and subtraction.
Solve number problems, including multiplication and simple division and missing number problems.
Use commutativity to help calculations.

Geometry and Measures
Measure and calculate with metric measures .
Measure simple perimeter.
Add/subtract using money in context.
Use Roman numerals up to XII;
Tell the time.
Calculate using simple time problems.
Draw 2-d / Make 3-d shapes.
Identify and use right angles.
Identify horizontal, vertical, perpendicular and parallel lines.

Fractions and decimals
Use and count in tenths.
Recognise, find and write fractions.
Recognise some equivalent Fractions.
Add/subtract fractions up to <1.
Order fractions with common denominator.

Data
Interpret bar charts and pictograms.

Design & Technology

Use research and criteria to develop products which are fit for purpose.

Use annotated sketches and prototypes to explain ideas.

Evaluate existing products and improve own work.

Use mechanical systems in own work.

Work with the school cook and kitchen team to increase an understanding of seasonality; prepare and cook mainly savoury dishes.

Geography

Use maps, symbols and other tools to develop an understanding of physical and human geography, eg mountain formations, river systems, settlement patterns and transport links.

Compare our local area with a non European country (looking at different natural resources, environmental conditions, food production, etc).

Use fieldwork to observe, measure and record.

Modern Languages

Meet via Skype and talk to a native Mandarin Chinese speaker based in Beijing.

Ask and answer questions.

Learn early introductory vocabulary and phrases.

Develop appropriate pronunciation.

Show understanding of words and phrases.

Gain an early understanding of Chinese culture and appreciate stories, songs, poems and rhymes.

Music

Use voice and instruments with increasing accuracy, control and expression.

Improvise and compose music.

Listen with attention to detail.

Appreciate a wide range of live and recorded music an begin to appreciate its context and history.

Science

Biology
Plants, including parts, lifecycle and requirements for life.
Animals: skeletons and nutrition.

Chemistry
Classification of rock types.
Simple understanding of fossilisation.

Physics
Sources of light; shadows and reflections.
Simple forces, including magnetism.

History

Changes in Britain from the Stone Age to the Iron Age – Stone Circles and Quoits, Hill-forts and Cliff-Castles (including Pendennis).

The Roman Empire and its impact on Britain – the Roman army; the early TinTrade; the Celtic Church and early Christianity.

The Roman withdrawal from Britain and the evidence for Arthurian resistance to Anglo-Saxons invasion and settlement.

Physical Education

Use running, jumping, catching and throwing in isolation and in combination.

Play competitive games, modified as appropriate.

Develop flexibility and control in gym, dance and athletics.
Compare performances to achieve personal bests.

Build on earlier swimming experiences towards developing proficiency at 25 metres.

Religious Education

Learning about Religion
Christianity - the Bible; God; the Christian way of life; the Church; Christianity in Cornwall.
Hinduism - Scriptures; concepts, truths and values; family, community and traditions; worship.

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.