Mathematics Y4

Place Value	1. Count in multiples of 6, 7, 9, 25 and 1000 2. Find 1000 more or less than a given number. Round any number to the nearest 10, 100 or 1000 3. Count backwards through zero to include negative numbers 4. Recognise the place value of each digit in a 4-digit number (thousands, hundreds, tens, and ones) 5. Read Roman numerals to 100 (I to C); know the numeral system changed to include zero and PV
Add Sub	6. Add/sub up to 4 digits nos using columnar addition and subtraction where appropriate 7. Estimate and use inverse operations to check answers to a calculation 8. Solve add/sub 2 step probs in contexts, deciding which operations and methods to use and why
Mult and Div	9. Recall multiplication and division facts for multiplication tables up to 12 × 12 10. Recognise and use factor pairs and commutativity in mental calculations 11. Multiply 2 and 3-digit numbers by a 1-digit number using formal written layout 12. Probs using the distributive law to mult 2 digit by 1 digit, integer scaling and correspondence probs
Fractions	13. Recognise and show, using diagrams, families of common equivalent fractions 14. Count up/down in 100ths; recognise that 100ths arise when dividing by 100 and 10ths by 10 15. Add and subtract fractions with the same denominator 16. Write dec equivalents of any number of 10ths or 100ths; and the dec equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and 3/4 17. Divide a 1 or 2 digit no by 10 and 100, identify the value of the digits as units, 10ths and 100ths 18. Round 1 dec place no to nearest whole no. Measure/money probs with fractions and decimals
Measure	19. Convert units of measure (e.g. km/m). Solve probs converting hrs/min; min/sec; yrs/mths etc 20. Calc perimeter of a rectilinear figure in cm/m. Find area of rectilinear shapes by counting squares 21. Estimate, compare and calculate different measures, including money in pounds and pence 22. Read, write and convert time between analogue and digital 12 and 24-hour clocks
Geometry	23. Classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes 24. Identify acute and obtuse angles and compare and order angles up to two right angles by size 25. Identify lines of symmetry in 2D shapes in different orientations 26. Complete a simple symmetric figure with respect to a specific line of symmetry 27. Describe coordinates in the 1st quadrant and translations of a given unit to the left/right, up/down 28. Plot specified points and draw sides to complete a given polygon
Stats	29. Interpret/present discrete/continuous data using graphical methods, inc bar charts/time graphs 30. Solve comparison, sum and difference probs using info in bar charts, pictograms, tables etc

English

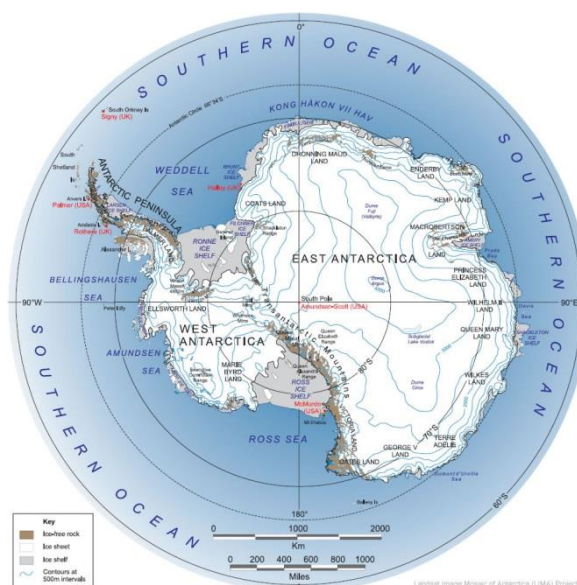| Themes	Spelling	Grammar	Composition
Information reports Poetry Explanations Comparative writing Narrative writing Persuasive writing	Pluralisation Prefixes and Suffixes Irregular tense changes	Adverbial phrases and fronted adverbials. Further work on joining clauses with conjunctions and commas Punctuation – dashes, hyphens, colons , semicolons Dialogue punctuation Further development of word classes – adverbs, adjectives, nouns, verbs, pronouns, modal verbs Prepositions	In narratives, creating settings, characters and plot In non-narrative material, using simple organisational devices [for example, headings and sub-headings] Creating and linking paragraphs Powerful verbs Developing vocabulary

literacy Poems biography letters Persuasive writing

Explanations narrative writing info reports

science Exploring magnetic force Exploring light and sound

geography Maps comparing Polar landscapes with Meldreth

lives and lifestyles of Inuit people Polar Explorers

Art / D&T

Polar landscapes.
Developing new techniques.
Studying famous artists: Keith Shackleton and Peter Scott.

Computing

Programming
Code club with Mr Lees using BBC Microbots

Music Creating musical soundscapes using percussion instruments

PSHCE Healthy and safe lifestyles Conflict Resolution

PE Gymnastics pair composition
Dance - ice Games - Netball

Spanish greetings simple
words and phrases

Spring Term 2016 – Polar Explorers

Chaffinch Class