Stonebow Primary School

<u>The Year 6 Curriculum Statement for Autumn 2016</u>

The following information is to give you an outline of some of the work your child will be covering during this term. We hope you will actively encourage your child in the work being undertaken so that learning can be both pleasurable and rewarding.

The skills and concepts on which we will be concentrating are:-

English	<u>Power of Reading</u> During the last year children have loved the different reading books we have studied and we will continue to use them this academic year. Our aim is to expose the children to quality texts to engage them and develop their love of reading and writing.	<u>Texts:</u> ZOOM – Picture book (Week 1) Stormbreaker <u>Genres:</u> Narrative Persuasive Newspapers Poetry
	<u>Grammar</u> Using cohesive devices to link paragraphs Use of higher level punctuation to mark boundaries between independent clauses Terminology e.g. subject/object, passive/active synonym/antonym	
	<u>Handwriting</u> To practise writing legibly, fluently and with increasing speed by joining letters correctly. They will follow our cursive script handwriting scheme and will practise fluency, proportion and presentation.	<u>Spelling</u> Revision of Year 4/5 High frequency words High Frequency/Topic words Commonly misspelt words Words ending in —ant, -ent and other related endings from the root word Words ending in able/ably ible/ibly
Maths		
Number and place value	• Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit • Round any whole number to a required degree of accuracy • Solve number and practical problems that involve number, place value and rounding	
Addition, subtraction, multiplication and division	• *Continue to use all the multiplication tables to 12 × 12 in order to maintain their fluency* • *Continue to practise the four operations for larger numbers using the formal written methods of columnar addition and subtraction, short and long multiplication, and short and long division*	

	• Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • Perform mental calculations, including with mixed operations and large numbers *e.g. (13 500 × 2) ÷ 9 = 3000* • Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • Solve problems involving addition, subtraction, multiplication and division • Use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy. • Identify common factors, common multiples and prime numbers
Fractions (including decimals and percentages)	• Use common factors to simplify fractions • *List equivalent fractions to identify fractions with common denominators* • Compare and order fractions, including fractions >1 • Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places • Multiply one-digit numbers with up to two decimal places by whole numbers • Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts
Ratio and proportion	• Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts *e.g. adjust a recipe for 4 people, to serve 20 people*
Algebra	• *Use symbols and letters to represent variables and unknowns in mathematical situations…* • Express missing number problems algebraically • *U*se simple formulae expressed in words • Enumerate all possibilities of combinations of two variables
Measurement	• Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to three decimal places • Recognise that shapes with the same areas can have different perimeters and vice versa • Recognise when it is possible to use formulae for area of shapes • Calculate the area of triangles, *relating it to the area of rectangles*
Properties of shapes	• Draw 2-D shapes using given dimensions and angles *using measuring tools and conventional markings and labels for lines and angles* • Recognise, describe and build simple 3-D shapes, including making nets
Position and direction	• Describe positions on the full coordinate grid (all four quadrants) • Draw and translate simple shapes on the coordinate plane, and reflect

	them in the axes. • *Predict missing coordinates of quadrilaterals by using the properties of shapes, which may be expressed algebraically*
Use and interpret data	• Interpret and construct pie charts and line graphs and use these to solve problems • *Encounter and draw graphs relating two variables, arising from their own enquiry and in other subjects*
Science	Electricity and Evolution and Inheritance
Computing	We are app designers We are game developers
Geography	Water Cycle and Rivers
D&T	Burglar Alarms
Music	Pulse and Voice
PSHCE	Devising a class charter Understanding democracy Environmental awareness and responsibility Climate change Sustainability issues Justice Keeping safe Anti-bullying
French	Animals and pets
PE	Invasion games

Visits for this term:

Location	Date	Approx. Cost
Plas Caerdon Residential	24th – 28th October 2016	£250.00