

BARNSTON PRIMARY SCHOOL MEDIUM TERM PLANNING AUTUMN



SUBJECT: Maths

YEAR GROUP: Yr 6

YEAR IN CYCLE: yearly

| | NATIONAL CURRICULUM | ADDITIONAL SCHOOL CURRICULUM |
|---------------|---|-------------------------------------|
| Autumn | <p>Pupils will be taught to:</p> <ul style="list-style-type: none"> •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 •use negative numbers in context, and calculate intervals across 0 •solve number and practical problems that involve all of the above •multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication •divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context •divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context •perform mental calculations, including with mixed operations and large numbers •identify prime numbers •use their knowledge of the order of operations to carry out calculations involving the 4 operations •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, an appropriate degree of accuracy •multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $1/4 \times 1/2 = 1/8$] •divide proper fractions by whole numbers [for example, $1/3 \div 2 = 1/6$] •associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $3/8$] •identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places •multiply one-digit numbers with up to 2 decimal places by whole numbers •use written division methods in cases where the answer has up to 2 decimal places •solve problems which require answers to be rounded to specified degrees of accuracy | |

| | | |
|-----------------------|--|---|
| | <ul style="list-style-type: none"> •recall and use equivalences between simple fractions, decimals and percentages | |
| | ENTERPRISE | SOCIAL, SPIRITUAL, MORAL & CULTURAL |
| SCHOOL DRIVERS | <ul style="list-style-type: none"> • children took part in planning and implementing their own stall at the Christmas Fair • Fruit to Suit - running own healthy tuck shop | <p>Team work and co coaching during Maths treasure hunts</p> <p>Second partner seats used during teaching – mixed abilities before set tables</p> |