



Half Term Curriculum Plan/Home Learning Letter

Year 5

Half Term: Spring 1 – January 2019

Dear Parents/Carers

I hope you had a good Christmas and are looking forward to a productive New Year.

In **Maths** we will be looking to:

Understand place value in 6-digit numbers by creating 6-digit numbers, placing them on a number line and solving place value additions and subtractions, order and compare 6-digit numbers and say a number between, understand the effect of multiplying or dividing a given number by 10, 100 or 1000; answers < 100000 and with not more than 2 decimal places; Multiply and divide numbers by 10 and 100 to give 1- or 2-place decimal answers, use place value to add and subtract 0.1 and 0.01 to and from decimal numbers, round 1- and 2-place decimals up and down to the nearest whole number, round 2-place decimals up or down to the nearest tenth; use mental strategies to add 2-digit, 3-digit and 4-digit numbers, add any pair of 1-place decimals, work out what number to add to a 2-place decimal to make the next whole number, understand addition and subtraction as inverses of each other and use this to find relationships, use counting up to subtract 4-digit numbers from near multiples of 1000, subtract 4-digit from 4-digit multiples of 1000 by counting up; apply divisibility tests for 2, 3, 4, 5, 6, 9, 10 and 25, identify factors and multiples, and begin to find common factors, use mental strategies to solve multiplications including multiplying by 0 and 1, dividing by 1, multiplying together three numbers, use mental strategies to solve divisions including dividing by 1, use efficient mental division strategies to divide large numbers; identify all the prime numbers less than 100 using Eratosthenes sieve, identify square numbers up to 100, understand concept of a square root, relate square roots to square numbers; devise a rule to work out missing angles, recognise that an equilateral triangle is a regular polygon with angles of 60°, compare and classify triangles, according to their properties; read relevant scales to the nearest numbered unit, measure, compare, add and subtract weights (masses) using kg/g, convert between different units of measure, e.g. kilometres to metres, metres to centimetres, etc., recognise and estimate volume and capacity using ccs and ml, interpret and present continuous data using line graphs.

In addition, we will continue with weekly arithmetic and tables tests. Please continue to support your children with their tables.

English: Our chosen core text is 'There's a Boy in the Girls' Bathroom by Louis Sachar. Using the text we will practice comprehension, hot-seating, build character profiles and biographies, diary writing, writing a prequel, letter writing and engaging in debate. Alongside our English lessons will be spelling, punctuation and grammar.

Topic – This term will have two topics running alongside each other. Our **Science** topic is entitled 'Circle of Life' where we will be looking at the life cycles of mammals, amphibians, insects and birds and understanding what makes a successful life cycle. Our Geography topic is entitled 'Where should we go on holiday?'. This will involve locating the Alps on the map, finding out how they were formed, looking at how homes are adapted for the region, impact of glaciers and avalanches and the importance of tourism.

In **RE** we will be looking at Hinduism – what is the best way for a Hindu to show commitment to God?

Computing: the class will explore coding where we will use sequence, selection and repetition in programmes and use algorithms to create and correct a sequence.

PE this half term will include swimming – please ensure your child has a swimming hat, one piece costume (girls) and trunks, not board shorts (boys). Goggles may be worn if wished. Our other PE unit will be It is vital that children have their PE kit in school at all times. With the colder weather, children are permitted to wear dark, plain tracksuit bottoms.

PSHE: The focus is 'Dreams & Goals' exploring our own dreams in terms of career, identifying the steps needed to attain our dream, how to support each other and how dreams are different for people of other cultures.

Music: The class will be undertaking 10 lessons of African Drumming, learning different drum rhythms.

Should you have any questions, please do not hesitate to come and see me either before or after school.

Home learning for this term is as follows:

| | |
|---------------------|--|
| Reading: | 30 minutes + discussion per day at home – independent reading and reading out loud |
| Spellings: | Set Monday tested Friday |
| Home Learning Task: | Set <u>Monday in Wednesday</u> : Set <u>Wednesday in Friday</u> |

PLEASE ENSURE YOU CHECK AND INITIAL YOUR CHILD'S WORK

Class teacher:

Date: 2 January 2018