Year 4 Autumn Term Topic Web 2021 – HEALTHY ME

MUSIC
Learning about rhythm and note values in music.
Identify different music patterns and create their own songs.

DT
To understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed
To understand and apply the principles of a healthy and varied diet.

COMPUTING
To use technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report concerns about content and contact
To format images for a purpose (creating a poster).

PSHCE
To understand that they can make choices which contribute to a healthy lifestyle.
To understand how physical activity and nutrition affects their physical and mental health.

YEAR 3 & 4 Autumn Topic 2021
HEALTHY ME (mini topic)

SCIENCE
Identify the different types of teeth in humans and their simple functions
Interpret a variety of food chains, identifying producers, predators and prey Describe the simple functions of the basic parts of the digestive system in humans
Interpret a variety of food chains, identifying producers, predators and prey
Compare the teeth of carnivores and herbivores and suggesting reasons for differences
Understand the function of body parts associated with the digestive system, for example: mouth, tongue, teeth, oesophagus, stomach, and small and large intestine.
Find out what damages teeth and how to look after them.
Construct and interpret a variety of food chains, identifying producers, predators and prey.

SUSTAINABILITY
To use recycled materials to make paper
To understand the importance of sustainability in farming

ART
To use a variety of methods & approaches to design, sketch and create portraits.
To collect visual & other information to help develop ideas including using the use of a sketch book
To explore the life of an artist and their work which is related and/ or inspired by **Healthy Me.**

ITALIAN
To learn basic greetings, days of the week and months of the year.

PE
To perform a range of jumps and leaps.
To perform a straddle forward roll and a backward roll to straddle correctly.
To perform a straddle on vault correctly.
To link movements together by performing a straight jump full turn, a cat leap half turn and a pivot.
To work in a small group to create and perform a gymnastics sequence with a theme.
To use a range of apparatus safely and demonstrating the correct points of contact.
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RE
To compare and contrast beliefs that help or hinder people when attempting to overcome challenges.

MATHEMATICS (1st half term)

Locate 4-digit numbers on a landmarked line and use this to compare and order numbers. N

Round to ten, a hundred and a thousand. N

Understand the numbers of 1s, 10s, 100s, 1000s in a 4-digit number and the use of zero as a place holder. N

Count in multiples of 6, 7, 9, 25 and 1000. N

Recognise negative numbers in relation to number lines and temperature. N

Add multiples of 1, 10, 100, 1000 without difficulty, e.g. 5,347 + 3000, 434 + 300 and 648 – 220. N

Multiply 1 and 2 digit whole numbers by 10, 100 and 1000. N

Read Roman numerals to 100 (I to C). N

Solve number and practical problems involving place value. N

Mentally add and subtract any pair of two digit numbers or 3-digit multiples of 10. AS

Use column addition to add 3-digit and 4-digit numbers: first expanded, then compact method. AS

Subtract numbers from 3-digit numbers using 'Frog' and counting up, e.g. 426 – 278, 321 - 87. AS

Use 'Frog' to subtract from multiples of 1000 where the difference is less than 500. AS

Use column subtraction to subtract 3-digit and 4-digit numbers: first expanded, then compact method. AS

Estimate and use inverse operations to check answers to a calculation

Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. AS

Know and recite times tables, including division facts, up to 12 × 12; multiply by 0 and multiply and divide by 1. MD

Use known facts, place value, factors and commutativity to multiply and divide mentally, including multiplying three numbers together. MD

Multiply 1-digit numbers by 2-digit or 'friendly' 3-digit numbers mentally or using grid method (i.e. using the distributive law). MD

Know how to use 'efficient chunking' for division above the range of the tables facts, e.g. 84 ÷ 6 = ? Begin to extend this to 3 digit numbers.

ENGLISH (1st half term)

Aesop's Fables
Reading, discussing and retelling a range of short stories from Aesop's Fables.

Grammar focus:
1. Use and punctuate direct speech
2. Extend the range of sentences with more than one clause
3. Use conjunctions to express time or cause

Animal Poems
Children will be reading a range of poems of various types and structures. We will progress towards writing poems once we have read and discussed a wide range of poetic conventions and structures.

Grammar focus:

1. Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition.

2. Indicate possession by using possessive apostrophe with plural nouns

Non-fiction writing – Instruction and Explanations

Using a text as reference, we will explore the structure and purpose of both information and explanation texts. This will involve reading example texts and emulating the key features.

Grammar focus:

1. Learn the grammar in Eng Appendix 2 of the NC

2. Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition

MATHEMATICS (2nd half term)

Solve single-step problems and begin to solve multi-step problems which include multiplication or division. MD

Solve scaling problems and harder correspondence problems such as n objects are connected to m objects. MD

Write the equivalent fraction for fractions with given denominators or numerators, e.g. ½ = ?/8; reduce a fraction to its simplest form, e.g. 6/12 ≡ ½.

Use times tables to find unit and non-unit fractions of amounts, e.g. 1/6 of 48 and 3/8 of 64. FD

Add and subtract fractions with the same denominator.   FD

Know that one-place decimal numbers represent ones and tenths e.g. 3.7 = 3 ones and 7 tenths. FD

Round decimals with one decimal place to the nearest whole number.

Recognise and write decimal equivalents of any number of tenths or hundredths and decimal equivalents to ¼, ½, ¾.   FD

Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. FD

Count up and down in hundredths.   FD

Compare numbers with the same number of decimal places up to two decimal places.   FD

Solve simple measure and money problems involving fractions and decimals to two decimal places.   FD

Convert between units of measurement, e.g. cm to m, g to Kg and ml to L and units of time. MS

Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. MS

Find the area of rectilinear shapes by counting squares.   MS

Estimate, compare and calculate different measures, including money in pounds and pence MS

Convert between units of time and between analogue and digital times, and between 12-hour and 24-hour times.   MS

Interpret and present discreet data using bar charts, pictograms and tables, and continuous data on time graphs; answer questions re-data. MS

Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.   G

Identify acute and obtuse angles, compare and order angles up to 180°.

Identify lines of symmetry in 2-D shapes presented in different orientations; complete a simple symmetric figure with respect to one line of symmetry. G

Describe positions on a 2-D grid as coordinates in the first quadrant, plot specified points and draw sides to complete a given polygon.

Describe movements between positions as translations of a given unit to the left/right and up/down. G

ENGLISH (1st & 2nd half term)

Fiction Reading and Writing – Imaginary settings

We will ask and answer questions and use inference skills to speculate about what is happening in the story. Children will generate powerful vocabulary and revise parts of speech. They then write their own version or a sequel based on the book.

Grammar focus:
1. Use and understand the grammatical terminology in Eng Appendix 2 of the NC
2. Use the present perfect forms of verbs in contrast to the past tense
3. Use adjectives, powerful verbs and adverbs to add description

Non-fiction: Biography

Our text and biography subjects will be linked to our topic and form the basis of the unit. Children will read and emulate the biographies they have read when writing their own.

Grammar focus:
1. Use the present perfect form of verbs in contrast to the past tense
2. Use conjunctions, adverbs and prepositions to express time and cause
3. Use fronted adverbials appropriately

Poetry – Image Poems

Children explore how simile and metaphor can be used to create powerful images, though reading and discussing poems. Photographs, collage and Jeannie Baker's Window inspire children's own image poetry.

Grammar focus:
1. Choose nouns appropriately
2. Use adverbs appropriately
3. Use fronted adverbials appropriately, including commas