

## Year 5 Autumn Term Topic Web 2021 – HEALTHY ME

### **MUSIC**

To compose music for a range of purposes using the inter-related dimensions of music.

### **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 select, use and combine a variety of software on a range of digital devices to design and create a range of content that accomplishes given goals, including collecting, analysing, evaluating and presenting data and information.

### **PSHCE**

To understand that there are a range of factors which contribute to a healthy lifestyle, including a healthy balanced food intake and physical activity.

To be able to state that different foods contain different nutrients, that these each have different benefits for our bodies and that therefore variety in the diet is important.

To be able to explain that different kinds and amounts of food provide different amounts of energy and be able to plan an appropriate energy balance for themselves, including explaining the possible consequences of an imbalance.

To understand the benefits of physical activity for promoting health and the risks of not participating.

To explain that a healthy lifestyle includes physical, social and mental health and how they can take responsibility for their own health.

## **YEAR 5 & 6 Autumn Topic 2021 HEALTHY ME (mini topic)**

### **ART**

To improve mastery of art and design techniques.

### **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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### **SCIENCE**

To identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

To recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

To describe the ways in which nutrients and water are transported within animals, including humans.

### **FRENCH**

To ask and answer questions.

## ENGLISH - 1<sup>st</sup>

### Biography and Autobiography

Define biography and autobiography.  
Identify the features of a biography.  
Analyse some biographical texts.  
Rehearse the layout and punctuation of speech.  
Find words with the prefixes auto- and bio-.  
Find words with the suffix -graphy.  
Use dictionary skills.  
Identify simple, compound and complex sentences.  
Create new complex sentences by changing the main clause.  
Compare an excerpt from a biography with an autobiographical-style story based on the same event.

### Poetry

Identify features of poetry.  
Prepare and memorise sections of a classic poem.  
Recite a classic poem as a group.  
Compare two versions of a poem.  
Investigate the use of language for effect.  
Justify their opinions using examples from the text.  
Spelling words with suffixes -ant, -ance/-ancy, -ent, -ence  
Rehearse newspaper report features.  
Role-play as a character from a poem.  
Ask questions of/interview a hot-seated character.  
Make notes from a particular point of view.

### Fiction

Answer open ended questions.  
Write a draft of a different ending for a story.  
Redraft sentences to make them more descriptive.  
Look at and identify interesting description in a text  
Identify and use noun phrases, expanded by the addition of modifying adjectives and preposition phrases.  
Identify subordinate clauses and use these to add information about time, place and cause  
Link ideas across paragraphs using adverbials of time.  
Identify powerful and descriptive sentences in a text.  
Use a thesaurus to find alternative verbs and adverbs.  
Write a lively account of tea-tasting.  
Learn about and use relative pronouns.  
Learn about and use relative clauses.  
Use extended vocabulary to describe the sensations.

## ENGLISH - 2<sup>nd</sup>

### Argument and Debate

Identify language features used in argument text.  
Learn spelling of words ending in -tial and -cial.  
Use bullet points, colons and semi-colons as appropriate.  
Rank arguments and counter arguments in order of importance.  
Understand cohesion in a text and that there are different devices to achieve this.  
Identify and use adverbials for time, place and number.  
Identify sentence openers for argument texts, including adverbials of manner.  
Understand the difference between fact and opinion.  
Identify facts and opinions in argument text.  
Decide on a debate topic.

### Grammar and Punctuation:

recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms  
using passive verbs to affect the presentation of information in a sentence  
using the perfect form of verbs to mark relationships of time and cause  
using expanded noun phrases to convey complicated information concisely  
using modal verbs or adverbs to indicate degrees of possibility  
using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun  
using commas to clarify meaning or avoid ambiguity in writing  
using hyphens to avoid ambiguity  
using brackets, dashes or commas to indicate parenthesis  
using semi-colons, colons or dashes to mark boundaries between independent clauses  
using a colon to introduce a list  
punctuating bullet points consistently

### Spelling:

use further prefixes and suffixes  
spell some words with 'silent' letters [for example, knight, psalm, solemn]  
continue to distinguish between homophones and other words which are often confused  
use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1  
use dictionaries to check the spelling and meaning of words  
use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary

## Year 5 maths and English objectives - Autumn Term 2021

### MATHS - 1<sup>st</sup> half term

- Begin to mark numbers on a landmarked line, compare and order numbers, using  $<$  and  $>$  signs, work systematically to find all possible inequalities, find 1 and 10 more or less using the 100-square, find 10 more and 10 less than any 2-digit number.
- Add and subtract 2-digit numbers mentally; choose a strategy for solving mental additions or subtractions; solve word problems
- Understand place value in decimal numbers; multiply and divide numbers with up to two decimal places by 10 and 100; multiply and divide by 0 and 100; add and subtract 0.1 and 0.01; multiply and divide by 4 by doubling or halving twice; use mental multiplication strategies to multiply by 20, 25 and 9
- Revise converting 12-hour clock times to 24-hour clock times; find a time a given number of minutes or hours and minutes later; calculate time intervals using 24-hour clock format; measure lengths in mm and convert to cm; find perimeters in cm and convert cm to m
- Solve subtraction using a written method for 3-digit – 3-digit numbers and for 4-digit numbers; use counting up (Frog) as a strategy to perform mental subtraction; find change from a multiple of ten pounds using counting up
- Recognise which numbers are divisible by 2, 3, 4, 5, 6, 9 and 25 and identify multiples; find factors; recording results systematically and finding all factors of a given number; compare and place fractions on a line; find equivalent fractions and reduce them to their simplest form

### MATHS - 2<sup>nd</sup> half term

- Use mental strategies to multiply and divide multiples of 10 and 100; use a written method to multiply 3-digit and 4-digit numbers by 1-digit numbers and estimate answers, divide 3-digit numbers by 1-digit numbers using a written method and express remainders as a fraction and solve division word problems
- Use a protractor to measure and draw angles in degrees; recognise, use terms and classify angles as obtuse, acute and reflex; recognise that angles on a line total  $180^\circ$  and angles round a point total  $360^\circ$ ; identify and name parts of a circle including diameter, radius and circumference; draw circles to a given radius using a pair of compasses; relate angles to turns, and recognise that a  $360^\circ$  angle is a complete turn; use angle facts to solve problems related to turn
- Place numbers to 100 000 and decimals up to two places on a line, round numbers to the nearest 10, 100 and 1000 and decimals up to two places to the nearest whole number; compare and order numbers with up to two decimal places; reduce fractions to their simplest form; know and recognise equivalent fractions and decimals to half, tenths and fifths
- Revise mental and written addition and subtraction strategies, choose to use a mental strategy or written method to solve addition and subtraction, choose to solve word problems involving multiplication and division questions including 2- and 3-digit by 1-digit and 2-digit by 2-digit using a mental or a written method, use mathematical reasoning to work out a function, identify the operation being used on numbers, understand that addition and subtraction are inverse operations multiplication and division, use function machines