Y5 Keeping Healthy   Home Learning   March 2020

This half term year 5 will be learning about the circulatory system and exploring how we can maintain a healthy lifestyle. We will be learning about the ways in which our bodies function and identify the key organs and systems that support life. We will develop our understanding of what a balanced diet looks like and the the impact of certain nutrients on the body. We will undertake a range of hands on activities to immerse ourselves in the learning and deepen our understanding of the circulatory sytem.

The children are expected to complete the following tasks and bring them into school. It is parents' responsibility to ensure children complete the tasks. Teachers will keep records of which tasks are completed and celebrate the children's work.

Times Tables	Reading
Encourage your child to access times Tables Rock Stars at least twice a week.	Please listen to your child read *at least* four times a week and sign their home reading record book. 4 signed entries in a week = Bookworm sticker.

Y5 Spellings

The children will be tested on these spellings during the week beginning 23 March.

vehicle	government
temperature	circulatory
identity	vegetable
develop	healthy
Prejudice	choice
Explanation	nutrient
Recognise	vitamin
Relevant	carbohydrate
Restaurant	protein
Frequently	leisure

Try learning two or three spellings a week.

Science

Locate your pulse and time how many times it beats in 1 minute. Then run around for 1 minute and check how many times your pulse beats in one minute. Repeat 3 or 4 more times, checking your pulse after every minute of activity.
Record your pulse on a table and then present your information on a line graph.

Maths

1) Daniel eats 1/6 of a pizza. Later, he eats another 5/12. How much of the pizza has he eaten?
2) Hayley eats 2/3 of her sandwich. Jane eats another ¼ of the sandwich. How much of the sandwich has been eaten altogether?
3) Thomas does 3/5 of his homework one night. He does another 3/10 the next night. How much of his homework is left to complete?
4) Haleema has 5/7 of a cake left. She eats another 9/21. How much is left?
5) Jeff is trying to run a race. He has run 1/5 of the way. He managed to run another 3/8 and then gives up. How much of the race is left?

Challenge:

1) Sally has 2/3 of a sandwich left. She eats some more and then has ¼ left. How much did she eat?
2) Bob eats 1/5 of a cake. Timmy then eats some more. Jeff then complains as there is only 1/9 left. He says that Timmy much have eaten more than half of the cake. Is Jeff correct? Justify your answer with working out.

Writing	Science	Creativity
Write an informative text that educates the reader how to lead a healthy life.	Design a balanced diet meal plan for a 10 year old child for one week including breakfast, lunch, dinner and snacks.	Design a healthy lunchbox for a child to bring into school. Think about what food and drink it could contain. Draw diagrams and label.

These tasks are optional but will greatly enhance the children's learning opportunities and understanding if completed:

Science	Science	Writing
Create and label a diagram of a circulatory system	Keep a food diary for one week, identify food groups in each meal: dairy, proteins, fats and sugars, carbohydrates, fruit and vegetables	Create a persuasive piece of writing to explain why chocolate should be banned in schools. .
English	**Maths**	**Art**
Write an acrostic poem using the letters of HEALTH to start each line.	Compare the nutritional information on two similar products e.g. How much protein is each and what is the difference?	Create a piece of art, similar to the photo at the top of the page, which uses food as the medium.

During this half term in maths, the children will be learning:

Spring - Block 2
Fractions

- Add and subtract fractions
- Add fractions within 1
- Add 3 or more fractions
- Add fractions
- Add mixed numbers
- Subtract fractions
- Subtract mixed numbers
- Subtract – breaking the whole

- Subtract 2 mixed numbers
- Multiply unit fractions by an integer
- Multiply non-unit fractions by an integer
- Multiply mixed numbers by integers
- Fraction of an amount
- Using fractions as operators

Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$]

Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

Read and write decimal numbers as fractions [for example $0.71 = \frac{71}{100}$]

Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Spring - Block 3
Decimals & Percentages

- Decimals up to 2 d.p.
- Decimals as fractions (1)
- Decimals as fractions (2)
- Understand thousandths
- Thousandths as decimals
- Rounding decimals
- Order and compare decimals
- Understand percentages
- Percentages as fractions and decimals
- Equivalent F.D.P.

Read, write, order and compare numbers with up to three decimal places.

Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

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

Solve problems involving number up to three decimal places.

Recognise the percent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25

Glossary of terminology to support your children with reading and writing:

Determiner	A word that introduces a noun (the, some, a, a few, many, four)
Subordinating conjunction	A word that connects two clauses (for, and, nor, but, or, yet, so)
Pronoun	words that are used in place of a noun (he, she, they, it, them)
Suffix	A string of letters that go at the end of a root word, changing or adding to its meaning. (–ate; –ise ; –ify)
Prefixes	A string of letters that are added to the beginning of a root word, changing its meaning. (dis–, de–, mis –, over– and re–)