



Spring Term 1- Year 5: Outline of our Work

Numeracy:

We will be developing these skills and concepts:

- 6-digit numbers - consolidating understanding of place value
- Decimal place value
- Mental addition of decimals and whole numbers
- Solving problems using mental methods
- Solving addition and subtraction problems
- Dividing by 2,3,4,5,9 and 10
- Prime numbers and factors
- Square numbers
- Dividing mentally
- Properties of triangles
- Grams and kilograms
- Litres and millilitres
- Converting units of length
- Adding 2-place decimals
- Subtracting decimals

How you can help

You can practise core skills with your children which will be invaluable for all operations:

- Test them on their memorised times tables
- Find number bonds (complementary numbers) up to 10, 100 and 1000
- Practise halving and doubling.
- Multiply and divide whole numbers and decimal numbers by 10, 100 or 1000
- Ask your child to explain how divisions or multiplications can be done using 'place value' (moving the numbers to the columns on the right or left as they increase or decrease by 10, 100, 1000 etc.).
- Encourage them to help measure liquids and solids using measuring jugs and scales in order to have a practical notion of what millilitres, litres, kgs and grams equate to. Cookery lends itself well to this practical work.
- Practise estimating and measuring the length and perimeter of objects. Using measuring tools adapted to the length of the subject measured (cms, mms, kms).
- Encourage your child to work out monetary additions and finding the correct change when you purchase goods. This feeds into our work on decimal numbers.

Computing:

We will be developing these skills and concepts:

- We will continue developing our Keynote presentations on Tudor food using research skills.
- Children are encouraged to work in small groups and work collaboratively. They are using given sources and are working on specific questions concerning food in Tudor times The children need to retrieve the relevant material for each topic, and to organise the information in an entertaining and visually well ordered way.
- We will work on transitions between pages for Keynote presentations and animations of objects.
- When projects are complete, children will present their research to the class.
- Internet Safety focusing on reliable sources.



Language and Literacy:

We will be covering these skills and concepts in the following areas:

Grammar and Punctuation:

- Relative pronouns.
- Indirect speech.
- Sequencing adverbs.
- Split direct speech.
- Possessive pronouns and possessive adjectives.
- Brackets for extra information.

Spellings and Vocabulary:

- Fer words and suffixes.
- Using a thesaurus.
- Ow words.
- Homophones.
- Ough words.
- Antonyms.

Reading Comprehension:

We will be working on the following topics in three stages: reading comprehension skills; verbal clarification of understanding through discussion and finally individual written answers.:

- Holiday Destinations (Writing to inform and persuade)
- The Flight of Icarus (Characters' thoughts and feelings)
- Birds' Wings (Bibliography)

Reading:

e-books will be allocated weekly to develop reading levels.

Science:

The subject we will be covering is Separating Materials.

We will be developing these skills and concepts:

- Use our knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.
- We will make predictions about what will be recovered, eg. can predict that metals can be removed using a magnet, larger items by sieving and the tiny visible solids by filtering.
- We will record data and results of increasing complexity using scientific diagrams and labels.
- Our data will be organised and presented using both oral and written forms giving explanations of the different processes.

How you can help

- Point out to your child examples of how materials change from one state to another, using every day observations. Are they aware of how liquid turns to gas through evaporation or boiling? Or have they observed how liquids become solid when the temperature drops? Show how water vapour (gas) condenses on a cold surface (such as a bathroom mirror) and becomes liquid once again. Observe how cake mixture hardens as the liquid evaporates - and ultimately 'solidifies'.
- Encourage the use of scientific terms such as **filtering, sieving, evaporation and condensation**. Can you find other examples of these processes in the home? Sieving may be used when straining vegetables -separating the liquid from the solids; filters may be discernible in some coffee machines; fish tanks and swimming pools .
- What happens to rain water in puddles when temperatures drop? What happens to water in puddles when the Sun comes out, following a shower? Consider how temperature plays a part in these changes. These notions will provide good starting point as we begin to mix different materials together and decide if it is possible to separate them using our knowledge of changing states.



Topic (Geography)

We will be covering the topic 'Wind', examining its impact and how it develops to produce extreme weather conditions.

We will be developing these skills and concepts:

- we will examine how winds are formed through the heat of the Sun.
- We will focus on extreme weather conditions such as tornadoes and hurricanes.
- We will consider how wind speeds and forces are measured - and for what purpose.
- We will consider positive and negative effects of the wind on the environment and how the wind can be harnessed as an energy source.

How you can help

- If there are cases of extreme weather mentioned on the news, discuss these and find out as much as possible to share with the class. Where, for example, do hurricanes tend to strike? do they show a seasonal pattern? Are any continents particularly prone to tornadoes?
- Have the children noticed examples of how the wind is being harnessed to develop clean energy?

Half Termly Project:

This will tie in with our geography topic for the first half of the Spring Term.

The Year 5 half termly project will involve research on extreme weather conditions; this will be used to create a news item for broadcast. The children will adapt their factual research to produce an informative report for a news item. They will be encouraged to incorporate correct terminology and facts with imaginative ways of presenting their material. This report will be filmed using green screen in the second half of the term. The project will be linked to developing Computing skills on their iPads.

Homework serves to reinforce the learning which takes place in school.

- Homework activities set for your child may not always correspond to the order of the skills listed above.
 - ***Homework sheets must be signed by parents each week; this signals to teachers that an effective dialogue has taken place between each child and their parent.***
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We would like to remind you that class teachers are regularly uploading photos of activities taking place in your child's class. Please use the following path on the ENT website to access these photos.

Path: ent.iil.ch > Profil > Photo Library

Please visit our website, Facebook and Instagram pages.

Review us on google goo.gl/LsU9Tk

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