

Clavis International Primary School

Year 5, 2019

Unit letter # 1- ENERGY

Our organizing theme is: **How the World Works**

Our central (or "big") idea is:

Energy may be converted from one form to another and stored in various ways.

Lines of inquiry:

- Sources of energy
- Transformation of energy
- Responsible use of energy

Language strategies/ activities to use at home:

- Provide your child with opportunities to read science magazines/watch documentaries about energy.

- Discuss the reasons for our growing energy needs and how the depletion of fossil fuels is affecting decision-making.

- Parents/grand parents could tell about how electricity has changed our lives and its impact on the environment.

In Mathematics, learners will :

Numbers

Model addition and subtraction of numbers using different strategies

- Solve real-life problems involving addition, subtraction, multiplication and division.
- Model multiplication and division of whole numbers.
- Use the mathematical language to understand, for example: Product, sum, difference, quotient, even numbers, odd numbers, prime numbers and composite numbers.

Measurement

Understand relationships between units- metres, centimetres and millimetres

Data handling

- Conduct a survey from a given set of data.

Shape and Space

- Shapes can be described and organized according to their

Math strategies to use at home:

- Ask your child to help you with everyday number problems such as amount of items needed for something and the cost....
- Make bar charts about money spent daily, conclude and make predictions
- Practise measuring skills– estimate length and width of objects(in metres) and verify their answers by measuring with the appropriate tool (Measuring Tape .)

FRENCH GROUPS (Unité de recherche)

In French students will:

- Read resource books/ downloads from the internet to find out about energy.
- Write a scientific report (cahier de charges)/ a recipe in French .
- Discuss how energy can be used in a responsible way; make connection between a character in a text and themselves in the use of energy in their everyday life.
- Read and analyse a variety of texts on over-abuse of electricity, on Thomas Edison etc... and answer to questions on different texts and reflect on the possible solutions to solve the problems linked to an over-abuse of energy.

These are some of the words that we will use in the unit. Help your child by talking about them at home.

Electrical energy, Solar energy, coal, gas, oil, petroleum, Nuclear energy, kinetic (movement) energy, Potential energy, photovoltaic power, fossil fuels, renewable energy, recycle, re-use, tidal wave., conservation., storage and transformation amongst others.

In Language, learners will:

Listening and speaking

- Discover how the perspective of our audience helps us to communicate more effectively and appropriately.

Viewing and presenting

- Experience how visual texts have the power to influence thinking and behaviour.

Reading

- Identify the main ideas in a text which help us to understand what is important.

Writing

- Learn how the way we structure and organise our writing helps others to understand and appreciate it.
- Work on different genres of writing such as journals, procedural text and personal narratives.



French strategies to use at home:

- Encourage your child to read French books at home on a daily basis and to do a written response to the reading.
- Encourage your child to learn the vocabulary list of words.

Unité de recherche:-

Vocabulary: L'énergie électrique, l'énergie mécanique, l'énergie solaire, l'énergie thermique, la consommation, économiser, l'énergie nucléaire, le pétrole, le gaz, le charbon, les panneaux solaires, les éoliennes, ampoule, lumière, invention, éclairer...