

Matters and mixtures



Objectius

- .Foster speaking interaction.
- . Foster the writing skills of the language.
- . Foster interaction and different potentialities between classmates.
- . Learning basic concepts of the topic that we are studying.
- . To help learners understand that keeping a record of new words is important

Descripció de la proposta

In this project, students will develop some experiments in groups, in order to discover properties related to different substances. We are studying mixtures and useful techniques needed to separate different substances. Later, students will learn science theoretical concepts, but through dynamic learning structures and cooperation based activities. The fostering of speaking, reading and writing have been taken into account, as well as the Cummins matrix learning process. This project is a result of a GEP1 programme.

Aspectes didàctics i metodològics

These three sessions are based on a CLIL approach. There is a great variety of resources and support materials implemented (visuals as videos, "pictionaries", speaking guidelines...) to cater for Howard Gardner's multiple intelligences. An appropriate balance between the cognitive and the language level has been taken into account and active roles in cooperative is respected in order to achieve a common goal. Pre- reading while- reading and after-reading activities have

been designed when fostering reading tasks. The designed assessment tools help students acquire self- awareness of the learning process.

Recursos emprats

.Physical and chemical changes for kids in <https://www.youtube.com/watch?v=BOr76Zx48QM>

.Dictogloss in <https://www.youtube.com/watch?v=AjyNRNfuF2M>

Continguts, competències i processos que es treballen de forma destacada

Science

.mixtures and properties.

- Analysis of the effects of a force or different forces on an object.
- Chemical changes in relation to everyday phenomena: combustion, oxidation and fermentation.
- Self- knowledge towards learning dimension (learn to learn area).
- Group learning dimension (learn to learn area).
- Self- awareness / positive self- concept dimension (sense of initiative and autonomy area).
- Decision making dimension (sense of initiative and autonomy area).

English

. mixtures and properties vocabulary.

Alumnat a qui s'adreça especialment

5th grade (pupils from 10 to 11 years)

Interdisciplinarietat, transversalitat, relacions amb l'entorn

Science

Documents adjunts

Matter and mixture project.

Autoria

Joan Carles Mas Montosa. Escola Cavaller Arnau. Riudoms.