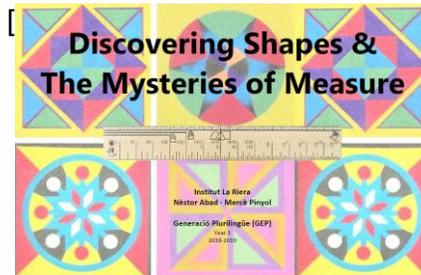


Discovering Shapes & The Mysteries of Measure



Objectius

- Learn the names and the properties of the basic flat geometric shapes.
- Find the shapes in the real world and discover what are they used for.
- Build complex shapes from simple ones.
- Distinguish between the concepts of length and surface.
- Discover how the area of a shape changes when the shape is scaled up.
- Being aware of the different units of measure of civilizations throughout history.
- Learning to measure lengths and areas with unusual units and performing conversions to the usual ones.

Descripció de la proposta

.In this project, children will be playing games on shapes such as big dominoes and Guess who. They will be exploring Tangram to build complex shapes and deduce relations between area and length. They will be making art from shapes with padlets. Finally, students will be measuring the playground with unusual units. This project is a result of a GEP1 programme.

Aspectes didàctics i metodològics

These three sessions are based on a CLIL approach. They will be playing collaborative games. Students are given an interactional space so that they'll be able to contribute to class conversation and to receive feedback. The activities proposed enable collaborative work and interaction. They also take into account multiple intelligences in learning.

They have been organised considering aspects such as the students' academic needs in terms of input, the grade they are and the language level. Our roles as teachers are as facilitators in order to promote self-learning and help students develop critical thinking skills and retain knowledge that leads to self-actualization. We will also use teaching strategies that result in high-quality interaction, such as the use of learner-convergent language, as well as teaching strategies to contribute to afford students interactional space areas; for instance, effective eliciting strategies, and refining, adjusting and clarifying them for students. We will also "shape" the students' contributions by seeking clarification, modelling, paraphrasing, reiterating or repairing the students' productions.

Recursos emprats



- . Big dominos
- .Guess who
- .Tangram
- .Padlet
- .Set of cards with shapes

Videos: https://www.youtube.com/watch?v=DQPQ_g59xyw&feature=youtu.be
<https://www.youtube.com/watch?v=ZNX-a-5jGeM>

Continguts, competències i processos que es treballen de forma destacada

Maths

- .Flat shapes: trapeziums, rhombus, pentàgons, triangle, diamond, parallelogram, hexàgon.
- .perimetres and areas.

.sides

.right angle, acute angle

.parallel, opposite sides

Size.

.symetry & symetry axis

perpendacular

The meter: Measurement and its History.

English:

.Comparison

. Improve the students' use of the English language in their writing, reading and speaking, throughout a communicative approach, in an academic context.

Alumnat a qui s'adreça especialment

1st ESO

Interdisciplinarietat, transversalitat, relacions amb l'entorn

Maths

Documents adjunts

- . Discovering Shapes & The Mysteries of Measure project.

Autoria

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