

Discovering the polyhedra



Objectius

- . Learn what a polyhedron is.
- . Distinguish among the different types of polyhedra.
- . Build some polyhedra models.
- . Identify the polyhedra in High School
- . Calculate the area and the volume of some polyhedra.
- . Give an oral presentation about the findings and the work that has been carried out.

Descripció de la proposta

Geometry is a very important field within mathematics. The process of understanding the space and the relationship among segments, lines, faces, polyhedra or three-D shapes sometimes becomes a hard issue. In this process, students experience the construction of models by viewing slides and You-Tube videos, the reading of texts. and other activities to guide them to construct a model. This project is a result of GEP2 project.

Aspectes didàctics i metodològics.

These 7 sessions are based on a CLIL approach. Children will be exploring and analyzing the polyhedra through the models and by building them they will be experimenting with three dimensional geometric shapes in small groups. Finally, they will explain the findings to the students in an oral presentation.

Recursos emprats:

.Instant classroom

.padlet

.Hands-on activity: building polyhedra.

<https://drive.google.com/file/d/1s1rMledEyfe0bdwecy9csRCOLRPN3vvH/view>

https://drive.google.com/file/d/1eHldG2JxnNYYccTlrQuRhvcgRXN_b4zr/view

<https://drive.google.com/file/d/1uJ2ftyAgaonbF-oaGglCi25lw0C4zay6/view>

.playing sinking the fleet.



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<https://drive.google.com/file/d/1oaWLDXsl5HsQt1Zk4l-Lin6d5aj81Int/view>

. Videos: <https://www.youtube.com/watch?v=39ZNHHNCptk>

. Quizlet: <https://quizlet.com/es/369029832/getting-in-touch-with-polyhedra-diagram/>

Continguts, competències i processos que es treballen de forma destacada

Maths

- . Sentit espacial i representació de figures tridimensionals.
- . Figures geomètriques, característiques, propietats i processos de construcció.
- . Relacions mètriques i càlcul de mesures en figures.

English

- . Comprensió oral : global, literal i interpretativa
- . Estratègies de comprensió oral
- . Estratègies de producció oral
- . Estratègies d'interacció oral
- . Lectura en veu alta
- . Comprensió escrita : global, literal, interpretativa i valorativa
- . Estratègies de comprensió escrita

Alumnat a qui s'adreça especialment:

A2 Grade 2nd ESO

Interdisciplinarietat, transversalitat, relacions amb l'entorn:

Mathematics, Geometry

Documents adjunts

.Discovering the polyhedra.

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