

## Discovering 30 shapes

### Objectius

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- To learn some specific content from the Maths curriculum through English.
- To read, write and talk about geometry in English.
- To develop cognitive skills in a CLIL context.
- To engage students positively in a CLIL environment to benefit both from the learning of the content and the learning of the language.

### Descripció de la proposta

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This Project is designed for students of the upper cycle of Primary education. It aims to develop children's knowledge of 3D shapes: names, properties, construction. The objective of this project is to present Geometry as an important part of Mathematics and to create materials which will enable pupils to approach Geometry (3D shapes) in an enjoyable way.

By the end of the unit, pupils will be aware that 3D shapes can be found in our daily life and our local environment and not only in Maths books.

The project is divided into 3 lessons. The first lesson is about names, properties and classification of 3D shapes. The second one is about 3D shapes and regular polyhedrons. In the third one, pupils discover 3D shapes in their local area and compare them with those seen in the city of London. Finally, they design a 3D object.

### Aspectes didàctics i metodològics

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This project is structured in 3 units: the first one deals with names and properties, the second one, on 3D and regular polyhedrons and the last one, on designing a 3D object.

### Recursos emprats

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This didactic sequence contains downloadable worksheets addressed to students and ready to use materials and resources for teachers (ppt presentations, flashcards, games, videos, etc).

### Competències i continguts que es treballen de forma destacada

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The lesson plans of this didactic sequence have been designed taking into account the specific skills of the two subject areas involved plus some transferable competences.



## **Alumnat a qui s'adreça especialment**

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These CLIL materials are suitable for children of the last stage in primary education.

## **Interdisciplinarietat, transversalitat, relacions amb l'entorn...**

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This didactic sequence combines content from the English language curriculum and the Maths curriculum.

## **Documents adjunts**

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The materials of this didactic sequence are structured as follows:

- **Introduction** to the didactic sequence with information about the context and the development of the units.
- **Lesson plans:** detailed information of the different units contained in the sequence with the teaching objectives, learning outcomes and assessment criteria.
- **Students' worksheets:** downloadable ready to use materials in pdf files.
- **Teaching notes:** step by step instructions to implement the didactic sequence.
- **Support teaching resources:** supplementary materials to support the teaching of the didactic sequence.

All these materials are accessible at:

[http://www.xtec.cat/monografics/cirel/pla\\_le/nile/mrosa\\_garcia/](http://www.xtec.cat/monografics/cirel/pla_le/nile/mrosa_garcia/)

## **Autoria**

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This material was developed by Ma Rosa Garcia Vázquez in a paid study leave of the Catalan Department of Education, run by Norwich Institute of Language in the 2009-2010 academic year.

