

INTRODUCTION

This Project is designed for students of “Cicle Superior” of Primary education. Its aims to develop children’s knowledge of 3D shapes: names, properties, construction,...

I have created this project in order to promote Geometry as an important part of Mathematics. My aim was to create materials which will enable pupils to approach Geometry (3D shapes) without fear, in an enjoyable way. I also want pupils to be aware that 3D shapes are not only in maths books but are also found in our daily life and our local environment.

This CLIL project integrates Mathematics and language learning. The contents include different visual and audio materials which will help students to achieve the content learning and improve their language too.

The project is divided into 3 lessons of 5, 6 and 4 hours length: the first lesson is about the names, properties and classification of the 3D shapes. The second one is about the nets of 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.

Learning by doing is, in short, what this project wants to encourage. Mathematics is not as challenging as they might think and they can enjoy learning maths in English.

Acknowledgments

I would like to thank Kay Bentley for her pedagogical help, for the time and dedication she gave us. I would also like to thank the other teachers for their help: Jo Stirling, with ICT, and Carole Robinson with Language. And finally I would like to thank Pedro J. Rodriguez for his lovely drawings.