DCTMath

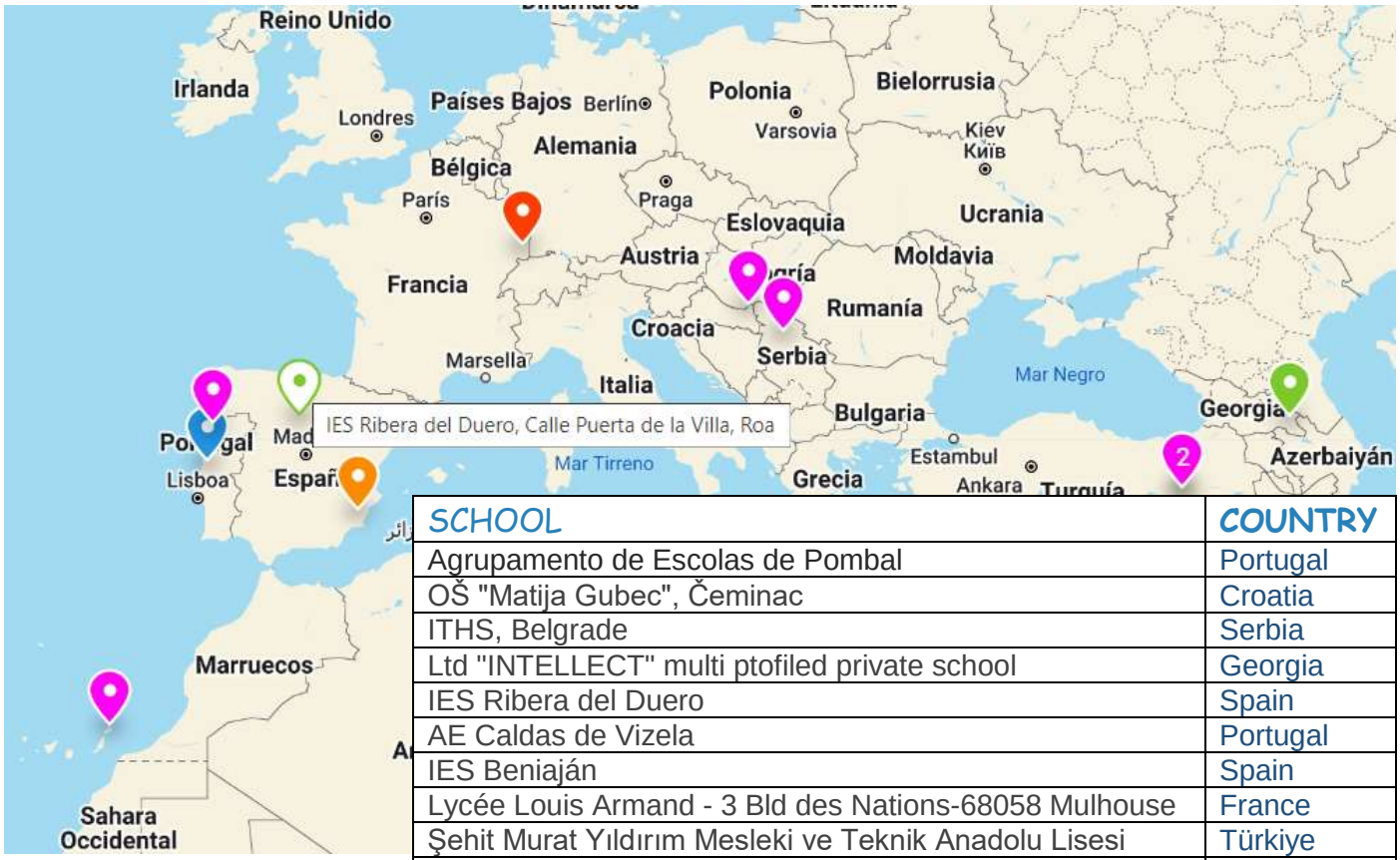
Development of Computational Thinking in Mathematics

This eTwinning project's main objective is to promote the development of computational thinking among participating students. Computational thinking is an essential skill in the world.

One of the proposed activities will be the use of GeoGebra, an online tool that allows you to explore mathematical concepts in an interactive way. Students will have the opportunity to create and manipulate graphs, solve equations and explore geometric properties, thus developing their computational thinking skills.

Throughout the project, students will have the opportunity to connect with other students from different countries, sharing their experiences and results. This will promote the exchange of ideas and mutual enrichment, as well as developing communication and teamwork skills.

Map of Schools in the Project DCTMath



SCHOOL	COUNTRY
Agrupamento de Escolas de Pombal	Portugal
OŠ "Matija Gubec", Čeminac	Croatia
ITHS, Belgrade	Serbia
Ltd "INTELLECT" multi ptofiled private school	Georgia
IES Ribera del Duero	Spain
AE Caldas de Vizela	Portugal
IES Beniaján	Spain
Lycée Louis Armand - 3 Bld des Nations-68058 Mulhouse	France
Şehit Murat Yıldırım Mesleki ve Teknik Anadolu Lisesi	Türkiye
Yunus Emre Anadolu Lisesi Bingöl	Türkiye
Rekabet Kurumu Anadolu Lisesi / Bingöl	Türkiye

Project Logo Selection https://forms.gle/eWKdigjY9g1JFerm9

Project Poster Selection https://forms.gle/tFmsbEqbWQmpLMQk9

International Computational Thinking Challenge - Bebras
https://school-education.ec.europa.eu/en/etwinning/projects/dctmath-development-computational-thinking-mathematics/twinspace/pages/international-computational-thinking-challenge-bebras

Maths Games https://padlet.com/projehesap10/let-s-play-math-game-and-develop-strategy-fw8l93mro78ggxxp

MATHEMATICAL AWARENESS IS LOADING.

We plan to bring together students from various high school types, combinining the Hejny Method and artificial intelligence to make mathematics awareness and literacy more effective and student-focused.

We believe that the integration of these two approaches can provide more benefits to students and help increase their mathematical awareness. We aim to enhance students' understanding by relating mathematical concepts to other disciplines, supporting and enriching concrete expieriences with artifical intelligence.

Project Logo Survey

https://forms.gle/1VLk3Doo8u4oaEyR6

Math and Dance

https://school-education.ec.europa.eu/en/etwinning/projects/mathematical-awareness-loading/twinspace/pages/math-and-dance

Which professions use angels?

https://school-education.ec.europa.eu/en/etwinning/projects/mathematical-awareness-loading/twinspace/pages/which-professions-use-angels

Organizing my room with math

https://school-education.ec.europa.eu/en/etwinning/projects/mathematical-awareness-loading/twinspace/pages/organizing-my-room-math

Clusters in nature

https://school-education.ec.europa.eu/en/etwinning/projects/mathematical-awareness-loading/twinspace/pages/organizing-my-room-math

MATHEMATICAL 2024 CALENDAR

https://school-education.ec.europa.eu/en/etwinning/projects/mathematical-awareness-loading/twinspace/pages/mathematical-2024-calendar

MATHEMATICAL POSTCARDS

https://school-education.ec.europa.eu/en/etwinning/projects/mathematical-awareness-loading/twinspace/pages/mathematical-postcards

MATHEMATICIANS eBOOK

https://read.bookcreator.com/l4ya9suP0xZHdKYDGH7kpWLvbVX2/-h5gI2yLSiOdB7ussSuSDA

Unveiling the Mathematics of Symmetry and Shapes

https://school-education.ec.europa.eu/en/etwinning/projects/unveiling-mathematics-symmetry-and-shapes/twinspace/pages

In this math-focused project, students will use GeoGebra, a dynamic mathematics software, to create and analyze "crop circles" and delve into various mathematical properties. The project aims to enhance students' understanding of geometry, symmetry, polygons, and areas by applying these concepts to the intriguing world of crop circles.

Through this project we want:
1. Understand Geometry Concepts: Introduce and review fundamental geometry concepts such as points, lines, angles, and circles.Explore the properties of various geometric shapes, especially polygons (triangles, quadrilaterals, etc.).
2. Investigate Symmetry: Learn about different types of symmetry (e.g., reflection, rotational) and their significance in geometry. Apply the understanding of symmetry to analyze and create new symmetrical objects.
3. Utilize GeoGebra: Familiarize students with GeoGebra, an free interactive geometry software, and its features for geometric constructions and explorations.
4. Improve communication, language skills and teamwork.