

WHAT IS THE GOAL OF THE PROJECT?

The potential of younger children to access mathematical phenomena is not adequately promoted in most European countries and has no priority in early childhood education. This has consequences: in an important phase of their educational socialization, children get only few experiences to engage in mathematical phenomena with enthusiasm and everyday orientation

Four countries, six partners. We want to face this problem. The traveling exhibition „Maths for Minis“ from the Mathematikum in Giessen - Germany, is a collection of exhibits for children aged four to eight years.

15 “play stations“ allow a new positive approach to mathematics because children can independently make their own mathematical experiences. Genuine understanding arises from the fact that children actively build up knowledge, that is, “construct”.

In this project, funded by the ERASMUS + program, the traveling exhibition will be tested in various European countries with focus on special target groups.

After evaluating the results, in 2020 a final conference will take place in Germany.

**MATHS
FOR
MINIS**

THE PARTNERS

ITALY

Cramars - www.coopcramars.it

SPAIN

Fundaciòn Docete Omnes - www.doceteomnes.com

MACEDONIA

Sumnal - www.sumnal.mk/en

Lifelong Learning Center - www.lifelonglearning.mk

GERMANY

Berufsbildende Schulen Rinteln - www.bbs-rinteln.de

(APPLICANT)

Institut für Bildung & Erziehung - www.ibe-goettingen.de



CONTACT:

Institut für Bildung und Erziehung gGmbH
Rohsweg 39
37085 Göttingen Germany

“The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.”

Co-funded by the
Erasmus+ Programme
of the European Union



**MATHS
FOR
MINIS**

TRAVELING EXHIBITION FOUR COUNTRIES - SIX PARTNERS

www.MathsforMinis.eu

Where?

The traveling exhibition can be visited in different project countries

When?

The traveling exhibition is open

Skopje (MK) - February 2019
Bitola (MK) - February/March 2019
Tolmezzo (IT) - May 2019
Granada (E) - October 2019
Rinteln (D) - January 2020

According to the recommendations of the Mathematikum, a time frame of 90 minutes is planned for registered groups to visit a traveling exhibition

The visit to the exhibition is free



THE CONCEPT

The exhibition is based on the so-called "Mini Mathematikum" from Giessen - Germany.

It opens a new door to mathematics. At stations with interactive experiments the children can independently make mathematical experiences. Access is via their own experience: they can lay puzzles, build bridges and see themselves mirrored endlessly. Visitors experiment at the Puzzle Table, paint with view into a mirror or build a city.

Genuine understanding does not work because learners passively absorb knowledge, but by actively building knowledge, that is, constructing.

They can discover forms, numbers, patterns and learn to distinguish shapes: round and square, those with few corners and those with many, even and spatial. Patterns are created by putting together shapes in a way that fits them perfectly. Numbers can be used to describe shapes and patterns. They can distinguish triangles from squares and name them. This elementary approach to mathematics opens their eyes. They learn to see, learn to distinguish and to perceive. If they have mathematical shapes and patterns in mind, they can see more of the world.

EU PROJECT AND TRAVELING EXHIBITION

The traveling exhibition Maths for Minis consists of 15 exhibits and is aimed at children between the ages of four and eight - it is a bridge project for older children in Kindergartens and younger elementary school children. The exhibits, adapted to the age of the children, encourage children's attention to engage as quickly and directly as possible with the mathematical phenomenon. The success of the constructive acquisition of knowledge is expressed in the high communication needs of the children among each other. The exhibited exhibits can be found on the net at www.ibe-goettingen.de

MATH MAKES
EVERYBODY HAPPY!

EXAMPLES

Puzzle Table

This table is a collection of six different puzzle games: cross or square, two-piece cube, three-piece cube, sphere pyramid, square puzzle and triangle.

Soap Skins

Different metal racks can be dipped in soapy water. The result is beautiful soap skins - minimal surfaces you would not have expected.

Mirror House

If you crawl into the mirror house, you will see yourself mirrored endlessly from many different directions.

We are building A City

With different building blocks you can copy the shadow wall. Gradually, a city with houses, towers and churches will emerge.

Look in the mirror and paint

Recreate a character or write your own name: actually quite simple - but not if you can only look in the mirror.

All pictures come from Minimatematikum Giessen