

Project



MATHELino started in 2011 and currently consists of six tandems – respectively: one kindergarten group, one primary school group and respective experts – as well as a kids learning centre around the Freiburg area. Thus, over 300 kids are able to go on a mathematical expedition through weekly collective meetings with their teachers (at kindergartens and primary schools).

Team

The MATHELino-Team is made up of dedicated teachers from participating kindergartens and primary schools in cooperation with experienced mathematics educationalists from the Institute of Mathematics Education at the University of Education Freiburg.



Dr. Reinhold Haug
Project Spokesman



Miriam Külshammer
Project Coordinator



Dr. Stephanie Schuler



Prof. Dr. Gerald Wittmann

Contact us

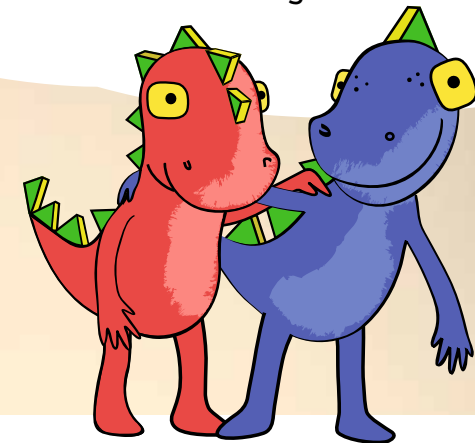
Pädagogische Hochschule Freiburg
Institut für Mathematische Bildung (IMBF)
Kunzenweg 21, 79117 Freiburg

0049 (0)761 682 527 (Fax: -525)
E-Mail: info@mathelino.com
Homepage: www.mathelino.com



MATHELino

Kids from kindergarten and primary school
experience mathematics together



Robert Bosch **Stiftung**

 **Pädagogische Hochschule Freiburg**
Université des Sciences de l'Éducation · University of Education

**JOACHIM
HERZ
STIFTUNG** 

Concept

MATHELino supports compatible mathematical education processes through cooperative work. Our objective is to provide children with an evolving learning biography in the transition from kindergarten to primary school.



Aktivitäten

There is an extensive professional coordination to enable a stable learning experience for kids and a professional cooperation with the participating institutions:

- **Weekly meetings** of the tandems working together in free and structured situations.
- **Observations** in institutions and consultation meetings with staff members of the University of Education Freiburg.
- **Training** for participating teachers at the University of Education Freiburg every six to eight weeks.
- **Didactic commentary** and prepared learning opportunities to support the tandems in using the selected material (freely disposable on www.mathelino.com).
- **Project days**, such as the MATHELino Days with the University of Education Freiburg and the Science Days in Europapark, invite groups from kindergarten and primary school from the Freiburg region to work with the MATHELino material.

The scientific company, support and evaluation of all ongoing processes in the project is an important part to help us expand on the knowledge and experience gained.

Material

The heart of the project is selected material which is available daily for the participating institutions. It enables mathematical experience and serves as a “bridge” between kindergarten and primary school.



Mugglestones – these plastic stones have a huge haptic attraction and promote sorting, counting, and creating representational pictures and abstract patterns.



Coloured Dice – these commercial dice promote two-dimensional and three-dimensional building, as well as sorting and counting.



Patternblocks – wooden tiles in basic geometric forms (triangle, square, rhombus, trapezoid and hexagon) encourage creating two-dimensional and three-dimensional patterns, tessellations and geometrical arrangements.



Felt Triangles – these equilateral triangles in three colours are highly suitable for creating symmetric patterns as well as tiling a plane.

Simple wooden cubes, tiles in two colours and the so-called “Streckenpuzzle” (puzzle with tracks) are further materials available for kids for building, inventing patterns or tiling within the framework of the project (pictures and applications on www.mathelino.com).