



**Federation Navarra de Ikastolas organizes
the Conference on the European project
Poly-Universe in School Education
(PUSE)**

for teachers of Primary and Secondary Education

The main objective of the Conference is to make known the didactic possibilities that the PUSE game has in different educational areas.

Erasmus+ Poly-Universe in School Education (PUSE) is an Erasmus+ project developed to explore the possibilities for Mathematics and Art education: the Poly-Universe Methodology. The project is based on the Poly-Universe game, which is a geometric skill development game by János Szász SAXON fine artist. The novelty of Poly-Universe lies in the 'scale-shifting' symmetry inherent to its geometric forms and a color combination system, which can be used universally and impact the educational system, particularly in the education of geometry and combinatorics. The complexity emerging out of Poly-universe's simplicity makes it more than a game, more than art, more than mathematics: these elements come all together – creating synergy in education.

PROGRAM OF THE CONFERENCE

Title: Working Mathematics and Art in Basic Education

When: June 25

Where: Palace of the Condestable in Pamplona

Duration: 09: 00- 12:30

Invited: Teachers of Primary Education and teachers of Mathematics, Art and Technology of Secondary Education.

Language: Basque

PROGRAM:

- **09:00 – 09:30.** Registration and credentials
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- **09:30 – 09:45.** Presentation of the project and its characteristics in the world of Ikastolas (Elena Zabaleta and Josu Reparaz)
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- **09:45 – 10:30.** Contextualization of the project (Irene López-Goñi)
 - Poly-Universe and Mathematics (Jesús Maria Goñi)
 - The Madi movement in Art (Idoia Legarreta)
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- **10:30 – 11:00.** Coffe break
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- **11:00 – 12:30.** Workshops (in different classrooms)

The workshops and the content of these will be developed as follows:





A: PRIMARY EDUCATION 1st, 2nd and 3th level

Classroom: 16 (third floor)

Title: How to organize the corner of Mathematics and the corner of Art in the first levels of Primary Education. Suggestions.

Workshop managers: Nora Uribeetxeberria (Arangoiti Ikastola) and Irene López-Goñi (NIE)

B: PRIMARY EDUCATION 4th, 5th and 6th levels.

Classroom: 18 (third floor)

Title: A way to learn geometry from a dynamic perspective. Digital possibilities.

Workshop managers: Garazi Larrañaga (Arangoiti Ikastola) and Jesús M^a Goñi (Textbook creator)

C: HIGH SCHOOL: teachers of Mathematics, Art and Technology

Classroom: Main room

Title: Possibilities of PUSE from a STEAM and MAKER perspective.

Workshop managers: Idoia Legarreta (Zangozako Ikastola)

Deadline to register: June 18th

Each registered institution will receive a book.



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