

VELOPING BRIDGING COURSES

ERASMUS+ Programme Key Action 2 Strategic Partnership for higher education

https://www.bridge2teach-project.eu

PROJECT AIM

The main aim of the project is to develop, test, revise, finalise and disseminate materials for a bridging course for mathematics teacher students and a bridging course for science teacher students, and provide workshops for teacher trainers and for university staff who deliver bridging courses to mathematics and science students, demonstrating and working on how they can use these materials in their own mathematics and science teacher training bridging courses.

TANGIBLE RESULTS

- reports on status quo of local/regional math/science teacher training bridging courses,
 guidelines for developing bridging courses for mathematics and science teacher students,
- an evaluation form for bridging courses,
 curricula and teaching materials for bridging courses for mathematics teacher students and for science teacher students.
- a report about process and results of bridging course evaluation,
- · a final conference,
- a project website.

BRIDGING COURSE STRUCTURE

Science BC

Module 1 - Physics

- . Nature research general concepts and laws
- Natural sciences about the micro-, macro- and mega- world
- 21st century physics, quantum physics essence Introduction to natural science practical work

Module 2 - Chemistry

- Laboratory guide The periodic table of elements
- Chemical reactions
- Appendix

Module 3 - Biology

- Cells
- Simple organisms: viruses and bacteria
- The chemicals of life
- Transmission of nerve impulses

Mathematics BC

Module 1 - Introduction and overview

- A brief general introduction into mathematics.
- view of the various fields of mathematics.

Module 2 - Basic concepts

- Logic and sets
- Geometry Vectors
- · Linear and quadratic equations

Introduction to functions

Module 3 - Functions • Linear and quadratic functions

- Exponential and logarithmic functions
- Trigonometric functions

Module 4 - Tools for real life

- Probability
- Statistics Limits, derivatives and integrals



PROJECT PARTNERS

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Project number: 2019-1-AT01-KA203-051222



The project is carried out with the support of the European Community in the framework of the ERASMUS+, Call 2019 Round 1 KA2 - Cooperation for innovation and the exchange of good practices KA203 - Strategic Partnerships for higher education.