# europass
# Teacher
# Academy

## Course information

| Title | Teach the Fun of Coding to Students of All Ages |
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| Concept by | Maikku Sarvas |
| Course URL | teacheracademy.eu/course/coding/ |
| N. of participants | Min. 4 - Max. 12 |
| Course length | One week (6 days, Monday - Saturday) |
| Language | English. Other languages may be available upon request |
| Locations and starting dates | • Helsinki - First Monday of the Month<br>• Florence - Second Monday of the Month<br>• Krakow - Third Monday of the Month<br><br>On request, we can organize this course directly at your school.<br>Discover all the dates at teacheracademy.eu/courses-dates/ |
| Free time activities offered | All courses include at least one city guided tour and one full-day Cultural Activity. |
| Type of certification awarded | Certificate of Attendance, including a description of the course contents (80% of attendance required); other Certificates may be available upon request |
| Price | Starting from 480€ *<br><br>*  Our courses are eligible to be completely funded by the Erasmus+ KA1 funds and several other programs. |

# Course contents

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| Description | **Learning to code** is greatly beneficial for young learners. It involves a practical skill, which exercises creativity and fun. It also helps develop problem-solving abilities and analytical thinking, as it requires students to break complex problems into smaller and easier ones. **It encourages students to plan, test, and learn** from their mistakes. Finally, it significantly improves the future employability of the young generations.<br><br>In this course, you will improve your programming capacities, and learn how to transmit them to your students. The instructor will show you exciting **tools for programming**, and explore a variety of ideas and strategies on how to teach it. As a participant, you will also learn how to make your **students learn coding** by involving them in creative projects.<br><br>By the end of the course, you will feel more confident in **teaching your students to code**. Such a skill will be extremely useful not only for teachers of mathematics, but also those of other subjects. |
| Learning outcomes | • Learn how to teach coding;<br>• Introduce students of different ages to coding;<br>• Create problems of their own for teaching programming;<br>• Use ready-made modules for programming. |

# Tentative schedule*

### Day 1 – Course introduction

- Introduction to the course, the school, and the external week activities;
- Icebreaker activities;
- Presentations of the participants' schools;
- Identification of needs and goals for each participant;
- Programming: an introduction.

### Day 2 - Getting to understand block-coding

- What is block-coding?
- Block-coding in a few steps;
- Learning to use block-coding by one-hour-coding lessons.

### Day 3 - Intro to Scratch

- Introduction to Scratch;
- Scratch: main features and functions;
- Activity: programming tasks with Scratch.

### Day 4 - Planning and doing one's own programs

- Planning a program;
- Programming as the implementation of the plan.

### Day 5 - Introducing programming in the classroom

- Round table: how all this can be included to day-to-day work;
- Introduction to tools and services that can be used to teach block-coding.

### Day 6 - Course closure & cultural activities

- Course evaluation: round up of acquired competences, feedback, and discussion;
- Awarding of the course Certificate of Attendance;
- Excursion and other external cultural activities.

*The schedule describes likely activities but may differ significantly based on the requests of the participants, and the trainer delivering the specific session. Course modifications are subject to the trainer's discretion. If you would like to discuss a specific topic, please indicate it at least 4 weeks in advance.

# Links and resources

Discover our:

- Self-paced online courses for teachers:
  **online.teacheracademy.eu**

- Online English Courses for Teachers:
  **online.teacheracademy.eu/tag/english-courses/**

- The New 2021-2027 Erasmus+ Programme Made Easy:
  **online.teacheracademy.eu/course/erasmus-programme-2021-2027/**

- CELTA Courses for teachers:
  **teacheracademy.eu/celta/**

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