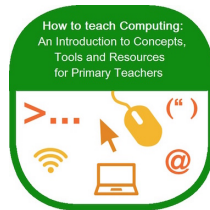# CERTIFICATE OF COMPLETION

"How to Teach Computing: An Introduction to Concepts, Tools and Resources for Primary Teachers"

20 April 2015 - 24 May 2015

European Schoolnet Academy

This is to certify that

Federica Biglino

has successfully completed the How to Teach Computing online course on the European Schoolnet Academy

Brussels, 25 May 2015

Benjamin Hertz
Course Coordinator
European Schoolnet

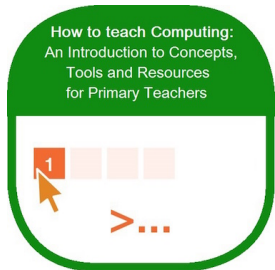Marc Durando
Executive Director
European Schoolnet

Course details

- Dates: 20 April 2015 - 24 May 2015
- Duration: 15 Hours
- Description: http://www.europeanschoolnetacademy.eu/web/how-to-teach-computing-
- Organiser: EUN Partnership aisbl (known as European Schoolnet), Rue de Trèves 61, B-1040 Brussels
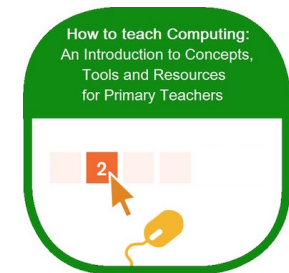
Course contents

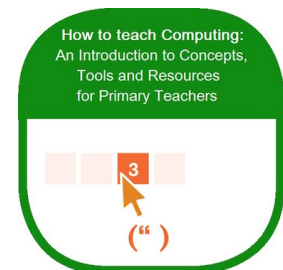## Module 1: Why teach computing at primary level and what to focus on?

- What is computing?
- Why teach computing?
- What should we focus on in our teaching? Skills
- What should we focus on in our teaching? Computational thinking
- Module activity
- Module quiz

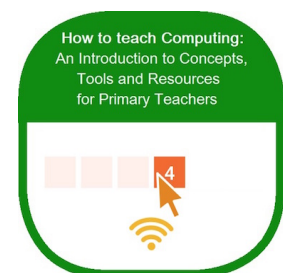## Module 2: How to teach computing at primary level?

- Focus on not using computers
- Focus on collaboration
- Focus on engaging girls
- Focus on links across subjects
- Webinar: What do students want to learn about computing? (optional)
- Module activity
- Module quiz

Module 3: What tools & resources can I use to teach computing – part 1

- Introduction to educational robotics
- Educational robotics – example activities
- Webinar: Educational robotics and coding inside the curriculum (optional)
- Simple game design tools
- Advanced game design tools
- Module activity
- Module quiz

Module 4: What tools & resources can I use to teach computing – part 2

- Tablet-based tools 1
- Tablet-based tools 2
- Assessment strategies and Schemes of Work
- Tools & resources for internet search, web editing and computer networks
- E-safety resources
- Lesson plan activity
- Peer review activity
- Module quiz