



6 days course

DATES 2026

- **23 March**
- **20 April**
- **4 May**
- **29 June**
- **6 July**
- **20 July**
- **3 August**
- **24 August**

A NEW APPROACH TO SCIENCE: USING SMARTPHONES AS A POCKET LAB

Bari-Bisceglie-Salerno



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COURSE OVERVIEW

This course introduces teachers to innovative ways of using smartphones as practical scientific tools in the classroom. Participants explore how mobile sensors, measurement apps and interactive experiments can make science more accessible and engaging. Through hands-on activities, the course demonstrates how everyday devices can collect real data, support inquiry-based learning and foster curiosity. Teachers will learn to design simple, low-cost experiments that help students understand scientific concepts through direct investigation.

METHODOLOGY

The course follows an active, experiment-driven methodology, combining:

- practical demonstrations with smartphone sensors
- guided experimentation and data analysis
- group exploration of scientific apps
- collaborative design of classroom activities
- digital and AI-assisted tools for interpretation

Participants will create their own pocket-lab experiments to apply in class.



TARGET GROUP

- Regional and local authorities;
- School/ adult centre management department, collaborators and volunteers
- Teachers & school staff

LEARNING OUTCOMES

By the end of the course, participants will be able to:

- Use smartphone sensors to collect data for physics, biology and environmental science.
- Design hands-on experiments that develop observation and problem-solving skills.
- Apply inquiry-based learning to explore scientific concepts in real contexts.
- Integrate apps for measurement, tracking, imaging and data interpretation.
- Encourage students' curiosity through low-cost, interactive investigations.
- Create adaptable "pocket lab" activities suited to different subjects and levels.

This course is held in:

- **BARI**
- **BISCEGLIE**
- **SALERNO**
- **VERONA (on request)**



CULTURAL ACTIVITIES: All courses include at least one city guided tour

CERTIFICATE: Certificate of Attendance, including a description of the course contents; Europass certificates upon request.

PRICE: €480



contact us

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