

THE SCIENCE CENTERS

IN EDUCATIONAL CONTEXT



learning**together**

*Constantly learning,
constantly evolving.*

OID: E10201112

Course's official page [here](#).

Advanced Institute for Skills Development



COURSE DESCRIPTION

How can Europe capitalize the increasing investment in science and technology? What are the challenges that schools face nowadays to respond to the need of improving digital and scientific skills?



Science Centers are privileged places for learning. Here, teachers can get and experience a new dimension and perspective, since they can offer a unique and multisensory experience. So, let's take science and education to another level and use our Interactive Science Centers, laboratories and institutions as a new classroom through experimental activities, and learning by exploring.



The visits that we propose to the Environment and Interpretative Center of Viana do Castelo, the Aquamuseum of Cerveira (Minho river), Natural Park of the North Coast of Esposende and The Environmental Monitoring and Interpretation Center (CMIA) of Matosinhos, will show us, in loco, how to explore the activities that those institutions (experimental activities, field trips, nature paths...) provide. The apps (Android and Apple/iOS) will be used as a fundamental teaching and learning resource, helping us develop creativity, teamwork and autonomy when learning.



This training course intends to **motivate** our participants (school management; teachers & school staff: primary level and secondary level; government & policy makers; recent graduates) to use these interactive centers as **teaching and learning resources**, and as a prime location to develop a European dimension of education.

COURSE INFORMATION

Course Objectives

- Increase the value of experimental teaching in sciences;
- Explore the cultural dynamics of each curriculum through experimental & scientific expertise, using the resources that interactive centers have to offer;
- Explore apps & mobile devices in educational contexts;
- Raise awareness for natural heritage preservation by creating science interpretative centers;
- Use interactive working methods for teaching;
- Enhance communicative competences in English;
- Identify & share good practices that can be implemented at a local level.

Learning Outcomes

- Use interactive science centers as teaching & learning resources;
- Integrate experimental activities, field classes, nature trails, among others, within the curriculum (scientific experiences);
- Use apps for mobile devices in educational contexts;
- Protect the assets of the European natural heritage through the creation of interactive science centers.

Duration: 1 week (6 days – Sunday to Friday – 9h00 to 14h00)

Location: Porto, Portugal **Language:** English

Certification: Certificate of Attendance + description of the learning outcomes above; Europass validation

Price: 580€ (course fee + administration costs + social program)
(Our courses are eligible to be completely funded by the new Erasmus+ program 2021-2027 – KA1 funds and several other programs)

See more information (e.g. dates, included activities) [here](#).

DAILY PROGRAM*

Our courses also include a daily Coffee Break & Social Program (4 ACTIVITIES)

DAY 1

- Welcome dinner, icebreaking
- Meet & greet, networking - participants and staff
- Week briefing & planning

DAY 2

- Working Tools (APPS)
- Sparkvideo, Wevideo, Biteable
- Parque Natural Litoral Norte
- Team building

DAY 3

- **Serralves Museum** - Gardens / Teaching Farm - New forms of cultural participation, from sharing interests & knowledge, in transversal approaches that span art, architecture & the environment
- **Water Museum** - The importance of water for life; its different environments; its various uses and its behavior in different situations, connecting scientific & technological issues within Water Resources to ordinary citizens

DAY 4

- **Center for Living Science - Porto Planetarium** - Educational activities. Movie "The Phantom of the Universe" - explore the exciting story of the discovery of dark matter
- **Botanic Museum of Porto University** - Guided visit to the awarded and most emblematic spaces of the Botanical Garden, framing historical, botanical & literary, all in one place

DAY 5

- Monitoring & Environmental **Interpretation Center (Viana do Castelo)** - Educational services; exhibitions; laboratory activities...
- Visit to the Habitats of the **Natural Park of the North Coast of Esposende**

DAY 6

- Development work
- Work presentations
- Course roundup & review
- Learning outcomes' validation
- Certification Ceremony

*This schedule/ program describes likely activities but may differ based on the trainer's discretion and objectives.



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Learning Together believes that well-trained teachers are more motivated & better able to successfully perform and achieve organizational goals! We believe that all organizations' core are its **people**, therefore we organise development courses for education professionals who want to enhance & acquire new competencies related to their work practice. That way, participants can better teach the people of tomorrow, **while absorbing new cultures and meeting people all around Europe!**

LET'S LEARN TOGETHER!

**Sign up for a course and
start your journey with us!**



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