



TEACHING TI-NSPIRE-CX TECHNOLOGY



learningtogether

*Constantly learning,
constantly evolving.*



OID: E10201112

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

Advanced Institute for Skills Development



COURSE DESCRIPTION

When discussing and applying concepts from subjects such as Mathematics, Physics or Chemistry, the graphing calculator is a recurrent tool for solving problems analytically!



TI-Nspire-CX technology allows teachers to create dynamic and shared learning scenarios, making it easier for their students to understand the content. Through different problem perspectives and representations this technology provides significant learning. Its applications allow the creation of complete documents and structured teaching activities.

This course aims to understand the framing of scientific and/or graphing calculator application within the current basic and secondary Education curricula, in subjects such as Mathematics and Chemistry.



Take the first steps to get to know the essential tools of the TI-Nspire™ CX technology in order to maximize the advantages that it allows when working with students, especially when performing autonomous research tasks and problem-solving exercises.



By actively engaging in innovative learning scenarios (that promote 21st century skills), teachers should act as facilitators – transversally promoting creative and reflective and computational thinking, by resorting to Algorithms and Programming.



The **main goal** is, as you know, to solve problems. Using TI-Nspire™ ecosystems, allows to explore mathematical concepts according to a STEM (Science, Technology, Engineering, Mathematics) approach.

This is becoming increasingly relevant given that technology and mathematics have a large and growing influence in many aspects of society. *The TI-Nspire™ CX II-T graphing calculator received the Comenius EduMedia 2020 Seal.*

COURSE INFORMATION

Course Objectives

- Experiment innovative methodologies in order to improve teaching and learning;
- Understand graphing technology within the current Maths curriculum;
- Solve Mathematical Modeling Problems in the classroom (physical or virtual);
- Use this technology's tools in order to enhance students' work and performance when working autonomously, helping them solve mathematical modeling tasks, problem solving and maths communication;
- Learn and design useful resources to implement in the classroom, using TI-Nspire™ CX II-T technology;
- Explore innovative learning activities and create digital content for creative learning scenarios.

Learning Outcomes

- Experiment new methodologies to increase student involvement;
- Share pedagogical experiences involving investigations/research feasible in the classroom within the world of mathematics;
- Create frameworks in order to use the graphing calculator in the current education curricula;
- Develop graphing tech knowledge;
- Use essential TI-Nspire™ CX-II technology tools to enhance its advantages at a work and productivity level
- Exploit useful resources/tasks for the classroom by promoting research activities, using this technology;
- Share experiences and ideas with their peers.
- Reinforce self-awareness as a European citizen;
- Improve language, communication and social skills;
- Promote intercultural awareness.

COURSE INFORMATION

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

Location: Porto, Portugal

Language: English

Certification: Certificate of Attendance, including a description of the learning outcomes from the previous page; Europass validation

Price: 480€ (course fee + administration costs)
Prices according to the new Erasmus+ 2021-2027 program*

*(Our courses are eligible to be completely funded by the Erasmus+ KA1 funds and several other programs)

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

LET'S LEARN
TOGETHER!



TRUSTED BY EDUCATORS ALL AROUND EUROPE

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!**



www.learning-together.eu



(351) 229 418 490 | (351) 911 895 280



learningtogether.eu@sinerconsult.pt

*For more
information, click
the following links:*

[Pre-Registration](#)

[Discover Porto](#)

[Our Gallery](#)

[Pricing & FAQ](#)

[All Courses](#)

