

STEMkey

Teaching standard STEM topics with a key competence approach

ABOUT THIS PROJECT

MATHEMATICAL, SCIENTIFIC,
TECHNOLOGICAL, ENGINEERING, DIGITAL
KEY COMPETENCES



For?

Higher Education STEM Teaching Staff
Future STEM teachers



What?

To develop teaching modules for STEM
teacher education programmes



Why?

To empower (future) STEM teaching staff to nurture
students' **mathematical, scientific, technological, engineering
and digital KEY COMPETENCES** when delivering standard
STEM content



How?

Supporting future STEM teachers and higher
education STEM teaching staff

- to develop a deep understanding of the EU Key
Competence framework
- to apply the framework when they teach standard STEM
topics



KEY COMPETENCES FOR LIFELONG LEARNING

STEMkey builds on the Recommendation on Key Competences for Lifelong Learning, adopted by the Council of the European Union in May 2018 (The Official Journal 2018/C 189/01). It defines **KEY COMPETENCES** as a combination of:

- KNOWLEDGE:** facts, concepts, ideas and theories to understand a certain area or subject
- SKILLS:** the ability and capacity to use the existing knowledge to achieve results
- ATTITUDES:** the mind-sets to act or react in various personal, societal and professional contexts

JOIN US!

**STEMkey
Summer School
Lisbon
2023**

JOIN US!

**Multiplier Events
for future STEM
teachers & higher
education staff**

CONTACT US

We would love to hear your thoughts on Key Competence
Development in STEM Education!

Did we spark your interest in collaboration? For further
information, you can contact us anytime:

Coordinator/Project Office:



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