

Newsletter 3

September 2024

Shaping the Future of Informatics Education in Europe: The TINKER Pedagogical Framework

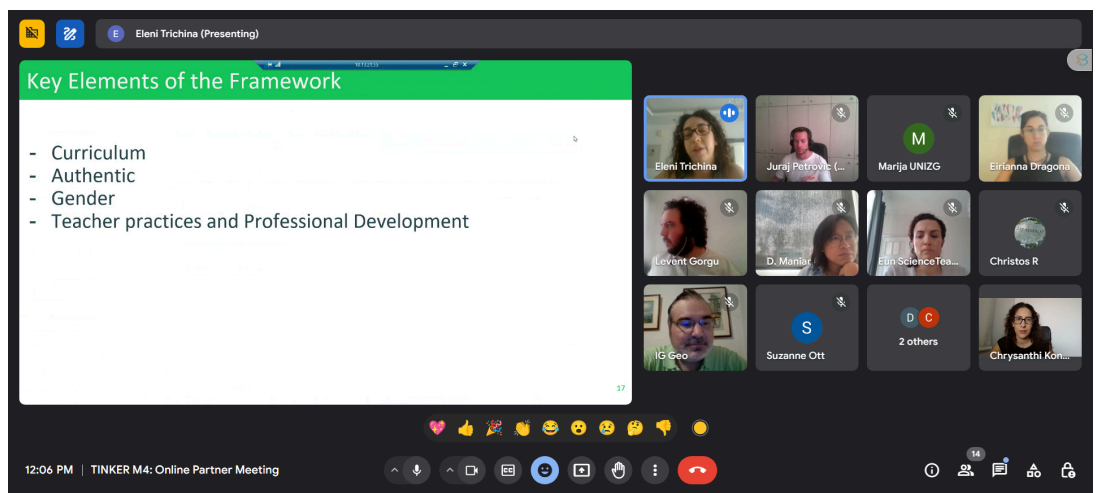
The TINKER project continues its mission to transform informatics education by finalizing the TINKER Pedagogical Framework. The TINKER consortium collaborates closely to ensure this innovative, evidence-based framework becomes a cornerstone for effective curriculum reforms in upper primary and lower secondary education.

THE TINKER PEDAGOGICAL FRAMEWORK

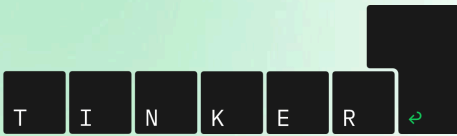
A unified approach

What's coming next?

TINKER Framework and Toolkit



Discussions have begun on the upcoming **TINKER Toolkit**, which will feature 100 innovative learning scenarios—50 for primary and 50 for secondary education. These scenarios will align closely with the finalized Framework, helping teachers create authentic and inclusive learning environments that foster computational thinking and informatics skills.

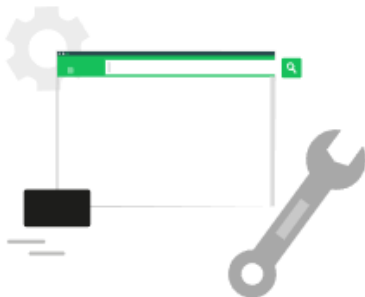


The TINKER Pedagogical Framework: A Unified Approach

The TINKER Framework addresses the need for a standardized, cohesive method of teaching and assessing informatics. Drawing on findings from [transnational research](#) conducted earlier in the project, the Framework integrates:

- **Mapped Informatics Competencies:** Topics and learning outcomes tailored to age levels, adapted from the Informatics Reference Framework for Schools and the JRC's 2022 recommendations.
- **Authentic Learning Principles:** Strategies for teaching informatics through real-world tasks, progressing from discovery in primary education to abstract thinking and autonomy in secondary education.
- **Gender-Inclusive Practices:** Ensuring equal opportunities for all learners to engage in and benefit from informatics education.
- **Teacher Professional Learning:** Addressing the need for robust professional development to equip educators with the knowledge, skills, and tools required to implement the TINKER Framework effectively.

This comprehensive resource will support educators and schools by providing a clear roadmap for creating engaging, inclusive, and forward-thinking informatics programs. It will ensure that all students are prepared for a technology-driven future and serve as a reference point within and beyond the project's lifecycle.



What's coming next?

Stay tuned for the release of the final **TINKER Framework and Toolkit**, which promises to empower educators to design impactful learning experiences that embrace authenticity and inclusivity. This will pave the way for a more equitable and engaging informatics curriculum across Europe.

For more updates, visit our [website](#).