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OER 2.3.2

Mapping the DigCompEdu Framework (Area 6) and AI4K12 Standards in Secondary Schooling

Identifier	OER 2.3.2
Title	Mapping the DigCompEdu Framework (Area 6) and AI4K12 Standards in Secondary Schooling
Creator	Panevėžys "Vyturys" Progymnasium - Lithuania
Description	The resource offers an operational map linking two reference frameworks: the European DigCompEdu for teachers' digital competence and the AI4K12 standards for AI literacy. It examines the specificity of DigCompEdu Area 6 — fostering learners' digital competence — and the five Big Ideas of AI4K12. The didactic focus is on designing secondary-school activities that integrate pedagogical modelling with AI literacy.
Keywords	DigCompEdu; Area 6; AI4K12; Big Ideas; AI literacy; secondary schooling; pedagogical modelling; competence frameworks
Language	EN (English)
Affiliation	Panevėžys "Vyturys" Progymnasium - Lithuania
Contributor	STIAEM Transnational Scientific Board (peer review, Rhodes validation protocol)
Media Format	Text; Infographics
Genre	Training Manual; Educational Guide
URL	https://www.stiaemproject.eu/?oer_download=OER-2.3.2
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References	AI4K12 Initiative. (2024). AI4K12: Five big ideas in AI [Sito web]. https://ai4k12.org/ Cosgrove, J., & Cachia, R. (2025). DigComp 3.0: Quadro europeo delle competenze digitali (Quinta edizione, traduzione in italiano). Publications Office of the European Union. https://data.europa.eu/doi/10.2760/0001149 Miao, F., & Cukurova, M. (2024). AI competency framework for teachers. UNESCO. https://doi.org/10.54675/ZJTE2084 Redecker, C. (2017). European framework for the digital competence of educators: DigCompEdu (Y. Punie, Ed.). Publications Office of the European Union. https://joint-research-centre.ec.europa.eu/scientific-activities/key-competences-lifelong-learning/digcompedu_en UNESCO. (2024). AI competency framework for students. UNESCO. https://unesdoc.unesco.org/ark:/48223/pf0000391107
Educational Level	Secondary School
Associated Module / MOOC Video Lesson	Module 2 - AI Fundamentals and LLM Mechanics / Video 2.3 - Anthropomorphisation & DigCompEdu
Learning Objectives	Place the teacher's digital competence within the DigCompEdu framework and recognise the specificity of Area 6; describe the five Big Ideas of AI4K12 and their link to the competences of the digital

	citizen; design secondary-school activities that integrate pedagogical modelling and AI literacy.
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