

Empowering teachers to create their own digital learning content

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Teacher Digital Content Creation Competencies Teacher Digital Content Creation Competencies (TD3C)

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Context and Significance

- Digital competence of educators e.g. DigCompEdu
- Digital education content an EU priority and area of interest

Pillar 3 of Digital Education Action Plan (DEAP) 2021-27 European Commission Expert Group on Digital Education Content

Practice Dimension

Digital content has long been used in education, but came under the spotlight with the shift to emergency online learning during the COVID-19 pandemic. These developments, along with the ongoing digital transformation, have seen rapid increases in production and consumption of DEC.(European Commission, 2023)





Objectives

- To identify the academic and digital competencies that support teacher creation of digital content
- To generate a framework to scaffold teacher creation of digital content
- To apply, iterate and evaluate this framework by working with teachers
- To develop, utilise and share related teacher education resources







Project Consortium



Project partners from Ireland, Finland, Portugal and Italy

- 1. TCD: Learnovate and School of Education
 - Edmund Rice College, Phoenix Park, Dublin
- 2. University of Jyväskylä
 - -Konnevesi High School
- 3. NUCLIO
 - -Agrupamento de Escolas Gil Paes Torres Novas
- 4. Istituto Comprensivo Topiolo Dica







Project Meetings Pilot 1



Instituto Comprensivo Toniolo, Pisa



University of Jyväskylä, Finland



Escola Secondaria de Maria Lamas, Torres Novas, Portugal





The TD3C Framework



Teacher Digital Content Creation Competencies

Framework Initial

The purpose of the TD3C Framework is to support teachers with the creation of digital educational content. Though presented as a series of stages, the process may be iterative, requiring revisiting of key stages or steps. It is also flexible and not all steps will apply in every scenario.





1. Planning

- · Identify intended learning objectives
- · Identify student characteristics and needs
- · Select the pedagogical approach
- Evaluate potential digital tools
- · Select the most relevant digital tool

2. Designing

- · Plan and organise the structure of content
- · Devise the key learning tasks to be incorporated

多 3. Developing

- · Engage in content production (likely
- Adhere to copyright and fair use
- · Apply design and accessibility
- Adapt content for digital inclusion and differentiation
- · Incorporate interactivity, assessment and feedback mechanisms
- · Review using the self-evaluation checklist

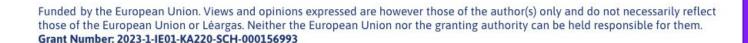
4. Implementing

- Prior to implementation pilot test and update
- · Implement and gather feedback from learners

5. Reviewing and Evaluating

- · Reflect (and evaluate) on the content and its implementation
- · Communicate and share with colleagues/peers







Stakeholder Consultation





TD3C Framework to support/scaffold

Content Creation Examples

Key Supporting
Materials





Our TD3C Champions:

Edmund Rice College



Chris MacManus, Joe Munnelly, Rachel Stack, Stacy Kenny, Diarmiuid O hAinifidh, Colin Sheehan





Our TD3C Champions in Action: End of Pilot



Chris MacManus



Rachel Stack



Colin Sheehan

Learnovate

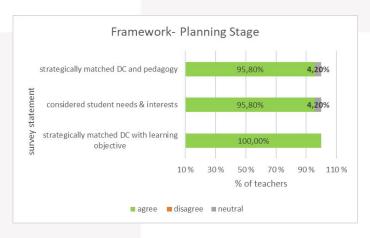


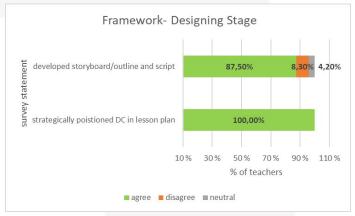


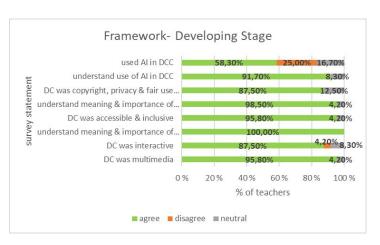


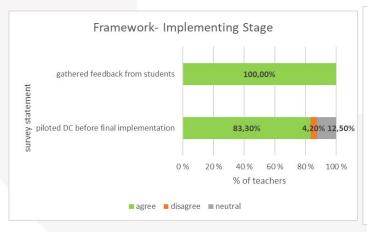


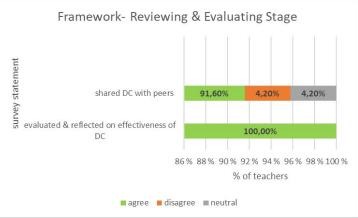
Post-Pilot 1 Results: Framework

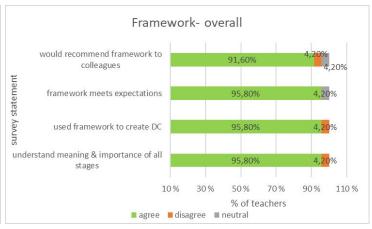
















Insights and Impacts from Pilot 1:

Data gathered from Pilot 1 Surveys from all partner teachers (24 respondents)

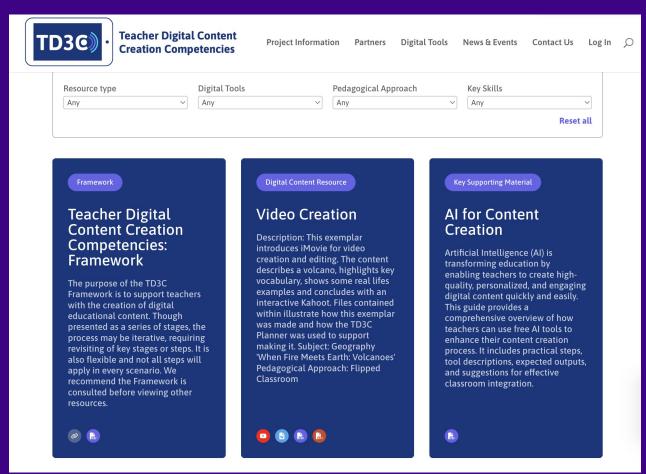


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Teacher-Informed Resources









Next Steps: Scaled Pilot



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Welcome



Scaled Pilot Phase

5 additional schools with 5 teachers to reach 50 students each

Goal: TD3C Framework used by 80 teachers and 4000 students across the partner countries

> Gathering Pre-Scaled Pilot Data currently

> > Culmination of project in March 2026







Thank you!



