

# Critical Digital Literacies for Teachers and Educators: The Detect Project

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# The DETECT project team



Contact Profiles



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Lintumetsän koulu



escola  
virolai



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# Introduction aims

- Why the need for a new Framework for Teacher Education.
- The CDL framework.
- Presenting resources to support Teachers & Educators in Practice (SOLET & an Online Toolkit)



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## The DETECT project

- explore critical digital literacies at school level
- advance understandings of the changing nature of critical digital literacies
- provide primary and secondary school teachers with a range of practical tools to support their practice.



# Critical digital literacies

Engagement in contemporary digital practices requires ‘a complex amalgam of linguistic, technological, contextual, and critical skills, knowledge, and understandings’  
(Tour et al., 2021, p. 2)



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# First, why a new framework about critical digital literacies?

The existing school-related frameworks about digital technology / digital literacy

- They focus on teacher's pedagogical practices with digital technology
- They are compromises and selected to prioritize the topics which are regarded as the important ones - but are they all important or are there also some new important issues?
- Some of the frameworks do not focus only on digital technology but more on other general competences
- Some of them need updating, e.g., if published before 2010

# How the framework was created: the methodology

- Systematic literature review in the area of critical digital literacies; focus on school, article searches during 2005 - 2020 in two electronic databases: EBSCO (Academic Search Complete) and Web of Science.
- Altogether 143 articles and 13 policy-related documents accepted for analysis; terms found were structured in dimensions and sub-dimensions; based on these a preliminary framework was created; revised again and again.
- Review results formed basis of the framework but it was discussed and reflected through meetings between teachers and researchers as well as in-depth teacher interviews. The final framework is a result of research review and practical findings.

# The eight key dimensions:



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# CRITICAL DIGITAL LITERACIES

## TECHNOLOGY USE

- Critical technical skills
- Computational thinking
- Technology risks & troubleshooting

## DATA LITERACIES

- Data analytics
- Data protection & data safety
- Big and open data
- Data visualisation

## INFORMATION LITERACIES

- Digital media use
- Online reading comprehension
- Online inquiry process
- Source validation & verification

## DIGITAL CONTENT CREATION

- Creative digital expression
- Co-creation
- Multimodal production
- Digital publishing
- Remixing

## DIGITAL TEACHING & LEARNING

- Digital pedagogical methods
- Learning analytics
- Digital learning ecologies

## DIGITAL CITIZENSHIP

- Rights & responsibilities
- Sustainable use
- Digital civic engagement

## DIGITAL WELLBEING & SAFETY

- Empowerment
- Online safety
- Digital overexposure
- Digital selfhood
- Digital belonging
- Ergonomics

## DIGITAL COMMUNICATION & COLLABORATION

- Online communication
- Online collaboration
- Digital empathy
- Networking
- Digital identity & profiles
- Online privacy

# SOLET offers a practical overview of a relevant competence for educators in our contemporary society.



<https://moodle-detect.uoclabs.uoc.es/>



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## ▼ GENERAL MODULES



Framing critical digital literacies



Theoretical



Instruments for the integration of CDL as part of the school policy



Transversal



The school as a context for continuous professional development on CDL



## ▼ SPECIFIC MODULES



CDL from research to educational practice:  
Primary school

Practical



CDL from research to educational practice:  
Secondary school

## ▼ WORKSHOPS



Data Literacy: cultivating smart data schools.



Assessment and Evaluation  
Critical Digital Literacies



Specific Topics

# The online toolkit

<https://www.detectproject.eu/online-toolkit/>

The toolkit includes:

- Already existing and original resources: materials such as presentations, videos, infographics etc. to be used for teaching CDL at school.
- Existing and original resources for teachers' professional development about CDL.
- Educational scenarios: lessons plans on the themes of CDL, that could be adapted to the needs of primary and secondary students.

## Full text search

## Language

Catalan  English  Finnish  Italian  Spanish

## Target

Lower Secondary School  Primary School  
 Teacher (professional development)  
 Upper Secondary School

## Educational area

Educational resource  Educational scenario

## Dimensions

Data literacies  
 Data analytics  Data protection and data safety  
 Data visualization  The use of big/open data  
 Digital citizenship  
 Digital civic engagement  Rights and responsibilities

# The online toolkit

Everybody can also suggest resources relating to CDL to be included in the toolkit by using this [online form](#) in order to create a community and a repository of DCL OER.

## TOOLKIT RESOURCES INSERTION

Name \*

Email \*

Title \*



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THANK YOU!

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