

# Digital Resources in Education – a master program in b-Learning

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## Introduction

To be effective in the twenty-first century, citizens must carry functional and critical thinking skills related **to information, media and technology**. [P21, 2016]  
The PNL2017-CTES aims to foster a national strategy for **raising literacy levels**, focusing on cultural, scientific and **digital literacy** for children, youth and adults.

## Context

**Need of empowerment of citizens through media and information literacy (MIL).** [UNESCO, 2017]

### What for?

- Promote equitable access to information and knowledge;
- Build inclusive societies.

Recent initiatives such as the **Digital Education Plan** [EC, 2018] helps understanding what can be done for a better living in the digital age:

- Through better use of digital technology for teaching and learning;
- By developing the digital competencies and skills needed to live and work in an era of digital transformation;
- Improving education through an analysis and forecast of more refined data.

### Today's students are expected to have skills in:

- Critical Thinking; Creativity; Media Literacy; Communication; Information Literacy; Collaboration.

It is important for the school to be able to meet this challenge and for teaching staff to be digitally competent as defined by the **European Framework for the Digital Competence of Educators** [Redecker & Punie, 2017].

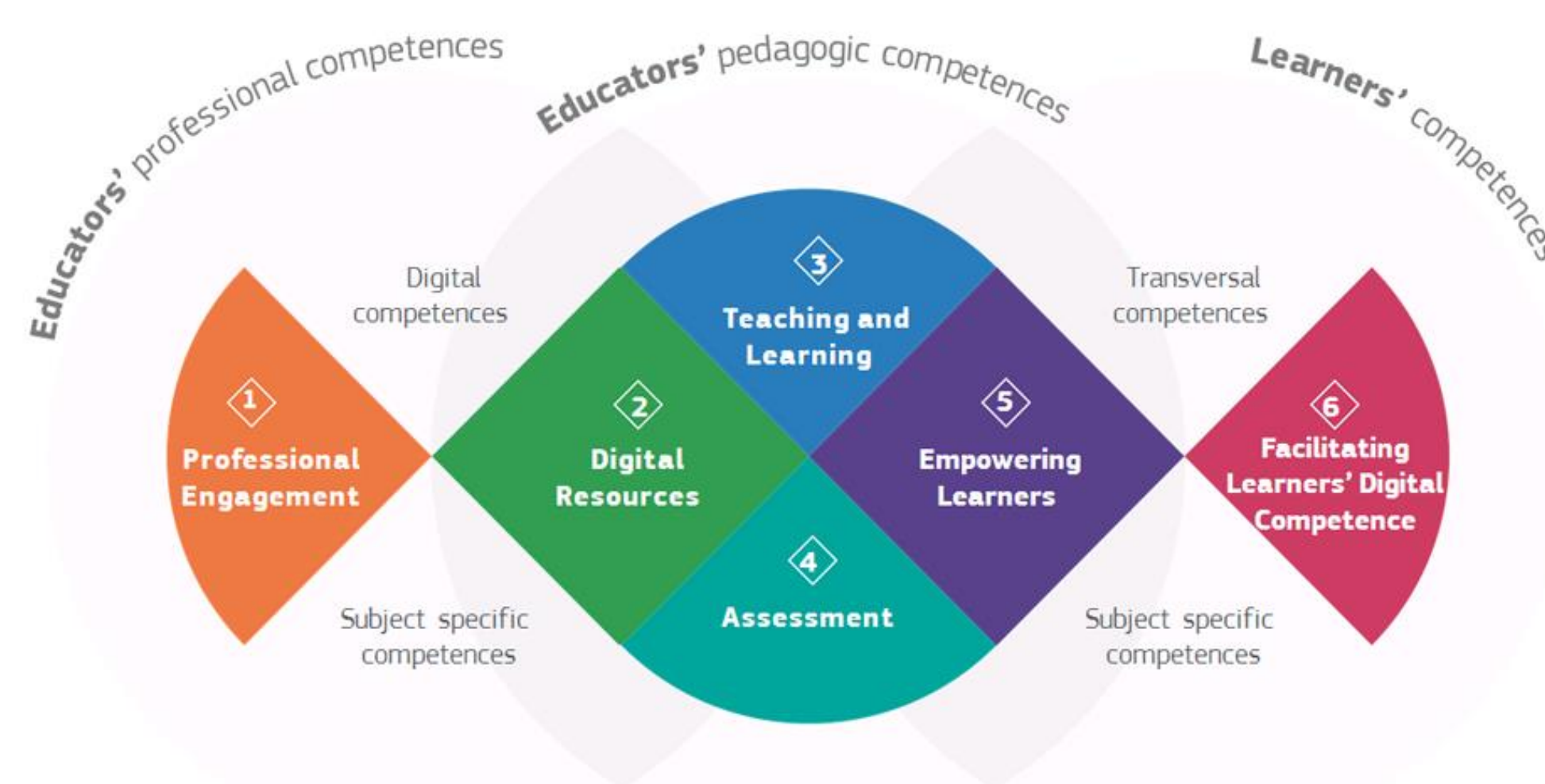


Image 1 – DigCompEdu details 22 competences organised in six Areas

## HOW?

### B-Learning Master Program in Digital Resources in Education @ Instituto Politécnico de Santarém – Escola Superior de Educação

- Combines an **online** approach and a **face-to-face** approach (with sessions **open** to the community).
- Promotes the development of skills in digital, information and scientific literacy.

## Master Program in Digital Resources in Education (DRE)

### Learning Objectives

- Analyze and understand the problems and challenges of the integration of Information and Communication Technologies (ICT);
- Select, evaluate and sustainably and creatively use Open Educational Resources (OER);
- Design OER capable of meeting the needs of the educational community;
- Plan and implement innovative and inclusive ICT strategies, methodologies and teaching practices;
- Prepare and integrate development projects and investigative practices for the construction of inclusive and digitally literate communities;
- Critically reflect on teaching and learning practices with a view to improving professional action;
- Recognize the importance of continuing and lifelong learning in the field of educational technology.

## DRE – Notes from the 1<sup>st</sup> year

- Teachers and schools are the gateway to literate societies.
- The master program is intended to be a tool for training **teachers** of all levels of education in the **development of competences** (knowledge, skills and attitudes) in the field of **media and information literacy (MIL)**.
- Focusing on the **pedagogical approaches** needed to enable teachers to integrate these literacies into their classrooms.
- Sessions **open to the community** enabled the contact with peers and experts.

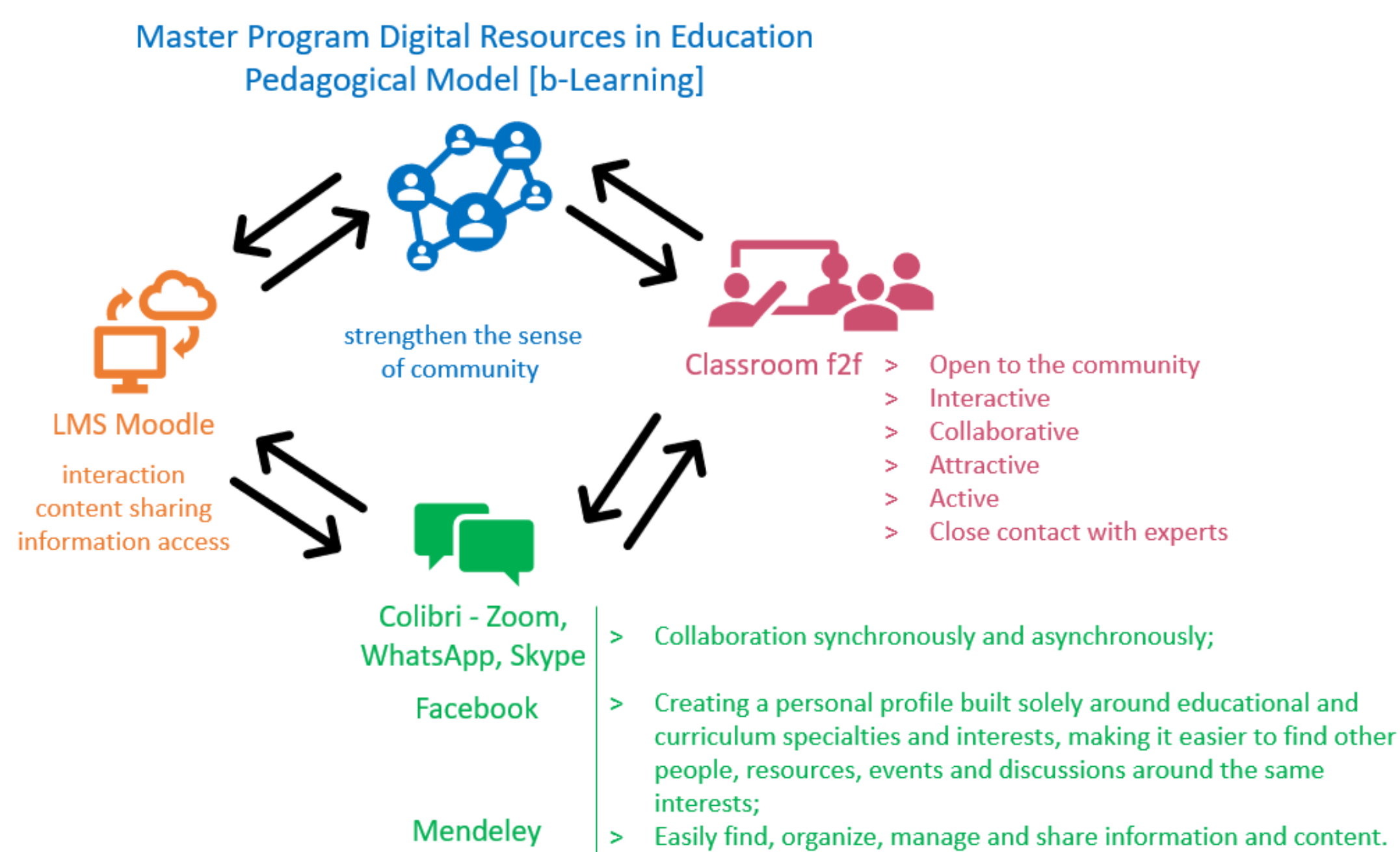


Image 2 – b-Learning Pedagogical Model, Master Program Digital Resources in Education

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