

# WEB 2.0 TOOLS

**Teacher:** João Garrido

**Course Duration:** one week, from Monday to Saturday, 30 hours

**Number of Participants:** Min. 6 – Max. 20



## DESCRIPTION

According to the Oxford Languages definition, Web 2.0 is the second stage of development of the Internet, characterized especially by the change from static web pages to dynamic or user-generated content and the growth of social media.

In 2004, the term began to popularize when O'Reilly Media and MediaLive hosted the first Web 2.0 conference. In their opening remarks, John Battelle and Tim O'Reilly outlined their definition of the "Web as Platform", where software applications are built upon the Web as opposed to upon the desktop.

This entails a wide range of possibilities at the educational level, since it allows the social participation of a group of people to develop a series of contents, jumping the barrier of individuality in training through new technologies, and getting closer to the philosophy of the teacher as mediator, and the students as the true creators of their knowledge, making it a very active part of their training, and even training at any time and in any place, as long as we can access the information through a mobile device.

Therefore, we must bear in mind the following characteristics when applying this term in our educational process: Interactivity; Connectivity; Dynamic applications and open standards; Collaborative and participatory; Simple and intuitive applications; Beta contents and applications; Free applications; and Mobility.

In this course you will learn how to use Web 2.0 tools to enhance your classroom activities, learning processes and students' evaluation. It will cover tools that will enable you to create interactive content, storytelling or infographics, share information, create assessment inquiries, timelines, mind mapping and more. The course will be very practical, combining theory with practice, group work and discussion with hands-on phases in which the participants will have the opportunity to explore the provided tools and apps.

## LEARNING OUTCOMES

### Participants to the course will learn to:

- Interact with some of the most important Web 2.0 tools for teaching to understand their usefulness and applicability in different situations of communication and learning.
- Acquire skills in the domain of some Web 2.0 tools to share and publish content:
  - Use Web 2.0 tools to edit and publish content.
  - Share documents to promote collaborative work.
- Acquire skills in the domain of some Web 2.0 tools to promote interactivity, collaboration and students' assessment:
  - Use Web 2.0 tools to interact with students.
  - Evaluate and assess students learning using mobile apps.
- Acquire pedagogical and didactic skills in Educational Technologies, with a special focus on the use of Web 2.0 applications as pedagogical tools:
  - Deepen theoretical knowledge within the scope of Learning Theories;
  - Apply specific methods of Design to teaching-learning situations based on the principles of Constructivism.
- Apply Web 2.0 Tools in the Instructional Design of a Curricular Unit.

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## PROGRAM

### Monday

#### Introduction

- Introduction of the course and the external activities.
- Icebreaking activity to introduce the trainer and the participants;
- Introduction to the concept of Web 2.0.
- Pedagogical Design of Learning Using Web 2.0 Tools:
- Contextualization – Learning Theories;
- “Instructional Design” methodologies and the Design of Constructivist Learning Environments.

### Tuesday

#### Editing, Sharing and Publishing Content

- Google Web 2.0 Tools: Gmail, Calendar, Drive, Docs, Sheets, Slides, Forms, Sites and Blogger
  - Online Collaboration and Document Creation
  - Importing MS Office and Open Office Documents;
  - Sharing and collaborative work using Google tools.
  - Publishing documents on the web using Google Sites and/or Blogger
  - Creation of a website and/or a Blog;
  - Editing and aggregation of information;
  - Sharing and collaborative work in content publishing.

### Wednesday

#### Web 2.0 Tools for Content Design and Publishing

- Image search and image edition tools;
- Infographics, poster and presentation tools;
- Webpage and Blog tools;
- Interactive content creation tools;
- Storytelling and timeline tools.

### Thursday

#### Web 2.0 Tools for Collaboration and Evaluation Assessment

- Information sharing tools;
- Mind mapping and Word Clouds tools;
- Mobile tools for classroom interactivity;
- Tools to create questionnaires.

### Friday

#### Practical Application Work

- Pedagogical design of a curricular unit using the available Web 2.0 tools to implement student-centered learning activities.

### Saturday

#### Course Closure & Tour

- Course evaluation and awarding of the course Certificate of Attendance.
- 21st Century Skills – The Values of Art and Culture – Excursion Tour and external cultural activities.