



ONLINE LEARNING CONTENT FOR FLIPPED CLASSROOM CURRICULUM

The aim of Intellectual Outcome 3 was to develop learning materials and other learning objects and components based on the Flip-IT! Curriculum. According to the conclusions of the preliminary research and survey (IO1) the Consortium agreed that the original plans would be modified aligned with the results of the requirement analysis. The original plan was to develop the content in 5 modules:

1. Flipped classroom and the related pedagogical aims and methods
2. ICT tools (web 2.0) for flipping the classroom
3. Open Educational Resources, repositories for use in FC
4. How to create attractive, motivating presentations? Technics of effective presentation
5. Planning classroom work with FC methods
6. Assessments in FC methods

According to the decision to use the e-Competence Framework Model, the Consortium changed this concept based on the logic of the “PLAN-BUILD-OPERATE” curriculum structure. The original chapters of 2., 3., and 4. were integrated into Module 2, focusing mostly on educational technology, it includes tutorials about the Open Educational Resources (OERs), instructions on how to use and reuse free learning contents (intellectual property right issues), and tutorials about free online tools like video and animation editors appropriate to create digital learning contents for the flipped learning.

- Module 1: PLAN – Pedagogical planning based on the FC model
Introduction to the pedagogical concept and the innovative features of Flipped Classroom in order to prepare teachers for developing the first idea on applying FC method in their classroom.
- Module 2: BUILD – Building or developing digital content for lessons
Educational technology for Flipped Classroom, helping teachers to collect and/or develop motivating digital learning contents for the students.
- Module 3: OPERATE – Conducting the FC lesson, analyzing and evaluating the results.
Utilizing the potential of Flipped Classroom method in a practice-oriented approach, starting with lesson planning and closing with self-reflection after conducting the classroom work.

The main idea was that the learning content had to be highly practice-oriented, at the end of the 3rd module teachers should be able to prepare for and even conduct their 1st FC lesson with their students, and they had to submit a report (self-reflection) with their experiences as a final assignment of the course.

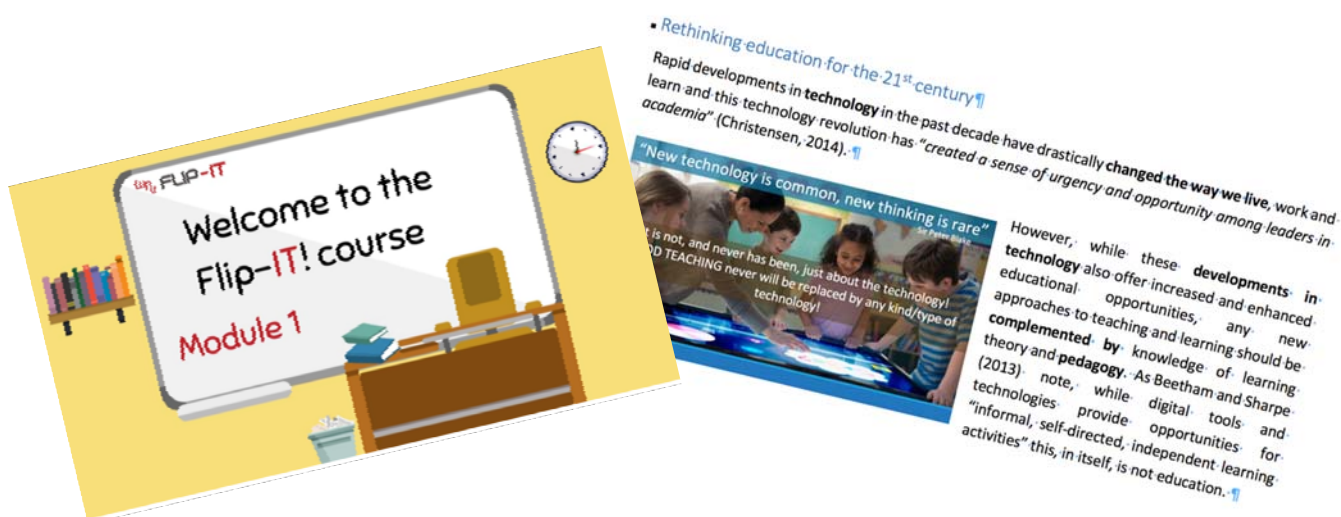
The Irish academic partner, Cork Institute of Technology was the leader of the development, but all partners collaborated intensively in the content authoring. The authoring work of the core content was distributed among the partners as follows:

- Module 1: PLAN – Cork Institute of Technology
- Module 2: BUILD – iTStudy Hungary, SZÁMALK-Szalézi
- Module 3: OPERATE – Universidad Europea de Madrid and University of Hradec Králové

The teachers of the Hungarian vocational schools (Számalk, Magyula, Bercsényi, Neumann) were highly active in the content development, they were enthusiastic in creating video-tutorials, after participating in the multiplier event, where iTStudy and Számalk delivered a first training on ICT tools for Flipped Classroom method. These teachers were the first evaluators of the learning content, and they became Flip-IT! mentors for the pilot with 70 vocational educational teachers in Hungary.

Ken Currie (Opus Learning) was the language lector of the English content, and the translation (HU, ES, CZ) started only after the linguistic and stylistic review of the English version.

As the target countries of the project are Hungary and Spain, the English content was not piloted in English speaking countries. However, the partners from Ireland and the UK (Opus Learning and CIT) reported that they plan to utilize the English versions in their future professional work in their countries as well.



The learning material has two main parts:

- the core content for the three modules with pictures and figures, and
- the video tutorials related to the topics of the content.

The videos are available on the YouTube channel of iTStudy, in the [playlist "Flipped Classroom"](#). Most of the videos were created by the Hungarian team, while for the Spanish and Czech course the partners added subtitles to the Hungarian tutorials.

The review was carried out in several iterations, the partners created a lot of working documents, but the core text was not published in itself as the aim was to use the material for developing the e-learning material for the online course, and as a source text for the teachers' textbook.

PROJECT INFORMATION

Experiments are being run all over the world about how to introduce new, innovative teaching, learning methods that meet the requirements of the 21st century. One of these methods is the Flipped Classroom.

The aim of the project is to integrate the Flipped Classroom method into the pedagogical practice of VET schools and training centers in partner countries. The long-term aim of the project is to improve the quality of vocational education and to engage in a movement towards the work-based, collaborative and problem-oriented learning/teaching by utilizing the pedagogical potential of ICT tools.

PROJECT OBJECTIVES

- Review the theoretical studies and pedagogical experiences on Flipped Classroom method
- Carry out a needs-analysis by involving the teachers of the partner countries
- Elaborate the Flipped Classroom Methodology (textbook, curricula, online training for VET teachers)
- Pilot online course in the partner countries by involving VET teachers
- Validate the results in VET schools by involving students

TARGET GROUPS

Primary target group: VET teachers

Secondary target group: VET students

PROJECT BASICS

Acronym: Flip-IT!

Grant agreement number: 2015-1-HU01-KA202-013555

Title: Flip-IT! – Flipped Classroom in the European Vocational Education

Duration: 1 September 2015 – 31 August 2018

Program: ERASMUS+

Participating countries: Hungary, Ireland, Spain, United Kingdom, Czech Republic

Website: flip-it.hu

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