HOW TO DEVELOP DIGITAL SKILLS THROUGH TEACHING?

EXAMPLES OF GOOD PRACTISES, SUPPORTED BY THE MINISTRY OF EDUCATION (FRANCE)
Mobile Learning Week
Skills for a Connected World
26-30 March 2018

TraAM
Technologie

2017-2018
SMART CITY
Dispositif d’acquisition de données

Wind sensor / Capteur mesurant la vitesse du vent et son sens

Temperature sensor / Capteur mesurant la température

brightness sensor / Capteur mesurant la luminosité ambiant
Project Continuum -3 +3
From idea to first prototype
PROJECT CONTINUUM -3 +3

A COLLABORATIVE INTERNATIONAL PROJECT BETWEEN LOWER, HIGHER SECONDARY SCHOOLS AND HIGHER EDUCATION SCHOOL AND INSTITUTES
### Objectives

The **mutualisation** of the work coming from the different learners in order to **optimize the energy-consumption performances of a solar car**.

A **collaborative platform** that will ease the sharing of **digital tools** (MOOC, TUTORIALS...).

Not only will this project enable the different degree levels develop the competences embedded in the different frameworks but it will also enable students to **discover the different possibilities offered in terms of career paths**.

The local authorities concerned by the project include **Creteil** (lower secondary schools), **Paris** (higher secondary schools), **Toulouse** (vocational schools), **ISAE Toulouse** (the French Institute of Aeronotical and Space Engineering : École Nationale Supérieure de l'Aéronautique et de l'Espace) and the University of Colorado (USA) will also be part of the project.
PROJECT CONTINUUM -3 +3

INTERACTIVE SYNTHESIS
PROJECT CONTINUUM -3 +3

INTERACTIVE 3D MODELS

Electronic design

Mechanical design
ACKERMANN-JEANTAUD STEERING GEOMETRY

Problème : amélioration du système de direction d’Hélios III

Merci pour votre attention !

Et maintenant, à votre tour !
The Common Framework of Digital Competences

Develop, assess the proficiency level of digital competences
The Common Framework of Digital Competences

✓ Competences based on those of the national program
✓ Continuity from primary school to higher secondary school
✓ Markers of progression for each area of expertise
✓ Online self-assessment and certification
5 competences areas... ...and 16 digital competences

Information and data literacy
- Searching and filtering data, information and digital content
- Interacting through digital technologies

Communication and collaboration
- Managing data, information and digital content
- Sharing through digital technologies

Digital content creation
- Collaborating through digital technologies
- Developing digital multimedia content

Protection and safety
- Solving technical problems
- Protecting personal data and privacy
- Protecting devices

Digital environment
- Progress in digital world
- Integrating and re-elaborating digital content
- Programming
- Engaging in citizenship through digital technologies
- Protecting health, well-being and the environment
The Common Framework of Digital Competences

✓ An online self-assessment tool

- an online self-assessment and certification platform of digital competences
- A system to certify the proficiency level of competences the student has reached
- An inscription in a school record book and a certification in the last two years of lower secondary school or in the last two years of higher secondary school
Plateforme d’évaluation PIX
https://pix.beta.gouv.fr/

Développez vos compétences numériques

Collèges, lycées, établissements d’enseignement supérieur : rejoignez l’aventure Pix dès l’année 2017-2018 !

Je veux que mon établissement propose la certification Pix dès cette année