Generalitat de Catalunya
Departament d'Ensenyament
Centre de Recursos Pedagògics Específics
de Suport a la Innovació i la Recerca Educativa

ARC Aplicació de Recursos al Currículum

Learning to code

Objectius

1. Understand the significance of coding in our society.

2. Learn to use the basic structures of coding.

3. Evaluate the reliability of a web.

4. Work in collaborative groups and solve problems.

5. Participate in activities that require critical thinking.

Descripció de la proposta

The proposal is about the importance of coding in our society. It teaches students to use the basic structures of coding to write a short program. Also, it encourages students to become active and use the Internet and look for websites.

Aspectes didàctics i metodològics

The proposal starts with a presentation of two videos that explain how and why use coding. Following the videos, the teacher presents questions for the students to answer according to what was seen on the videos. Next, as extension activities, a tutorial is presented for students to follow and answer some questions.

Finally, a project is set into motion, in small groups to prepare an oral presentation explaining a tutorial following the 4 steps set by the teacher.

Recursos emprats

A promotional video from the hour of code:

https://www.youtube.com/watch?v=FC5FbmsH4fw

Generalitat de Catalunya
Departament d'Ensenyament
Centre de Recursos Pedagògics Específics
de Suport a la Innovació i la Recerca Educativa

ARC Aplicació de Recursos d' Currículum

A tutorial from the hour of code:

https://code.org/mc

Frozen characters drawing:

https://studio.code.org/s/frozen/stage/1/puzzle/1

Angry birds:

https://studio.code.org/hoc/1

Try this tutorial:

https://scratch.mit.edu/projects/85963232/?tip_bar=hide#editor

REAL Method

(Adapted from: http://www.eduteka.org/modulos/1/162/931/1)

Continguts, competències i processos que es treballen de forma destacada

1. Collaborative pair and small group's promotion.
2. Collaborative problem solving.
3. English optimal use throughout the whole project (40% in English).
4. Self-assessment and peer assessment.

Alumnat a qui s'adreça especialment

This activity has been planned for students of 3rd year of ESO.

Documents adjunts

Retrieved from "Materials didàctics del professorat GEP 1 Anglès"
http://odissea.xtec.cat/pluginfile.php/684713/mod_page/content/28/INSdetordera_Silvia_Zurita_finalproject.pdf

Autoria

This element has been created by Sílvia Zurita i Món from INS de Tordera as the final project of the course GEP 1.