

OER PROJECT

pc game that
connect arduino
and processing
ide



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Originally developed in German for
OERinfo - Informationsstelle OER
(2017) - <https://open-educational-resources.de/der-oer-canvas-teil-1/>

THE LEARNING RESOURCE

Which resource should be developed?
For example learning video, textbook, worksheet, online course

Who will learn with this resource?
For example "students 4th grade, Bavaria, Germany"

What prior knowledge is needed?

ΒΑΣΙΚΕΣ ΓΝΩΣΕΙΣ ΗΛΕΚΤΡΙΚΩΝ ΚΥΚΛΩΝ
ΕΞΑΓΩΓΗ ΣΤΟ ARDUINO, PROCESSING
ΧΡΗΣΗ ΠΟΛΥΜΕΤΡΩΝ ΕΡΓΑΣΤΗΡΙΟΥ

type of resource

ΕΛΛΑΚ, GITHUB,
YOUTUBE

target group

ΜΑΘΗΤΕΣ
ΛΥΚΕΙΟΥ

learning goals

ΕΥΝΔΕΣΜΟΛΟΓΙΑ
ΗΛΕΚΤΡΟΝΙΚΑ ΚΥΚΛΩΝ
3D ΣΧΕΔΙΑΣΗ
ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΣ

What should be known afterwards?

users

ΜΑΘΗΤΕΣ
ΛΥΚΕΙΟΥ

until when?

ΜΕΤΑ ΤΗΝ ΤΕΛΕΤΗ ΤΗΣ
ΕΡΓΑΣΙΑΣ

license

GNU
GENERAL PUBLIC
LICENCE V3.0

attribution
(who is named
at "BY"?)

ΟΜΑΔΑ
GAMERS

where will be published?

ΕΛΛΑΚ
GITHUB
.....

USE OF THE RESOURCE(S)

In which context?
for example: in learning maths

ΠΛΗΡΟΦΟΡΙΚΗΣ, ΤΕΧΝΟΛΟΓΙΑΣ
ΗΛΕΚΤΡΟΝΙΚΗΣ, ΦΥΣΙΚΗΣ



LICENSE OF THE RESOURCE(S)

How to use the resource?
(see: <https://creativecommons.org/choose/>)

Who should we acknowledge? (attribution
of people and organisations?)

FORMAT OF THE RESOURCE(S)

Which formats should be supported? For example for a
textbook: html, odt or pdf?

HTML, INO WIRING C, STL
PDE, TINKERCAD....

PROJECT ORGANISATION

WHEN?	WHAT?	TOOL(S)	WHO?
	project plan		
	partner search	EΚΦΕ ΧΑΝΙΩΝ	
	organisation	TINKERCAD CIRCUIT TINKERCAD 3D DESIGN ARDUINO IDE, PROCESSING IDE	
	draft/ materials		
	quality assurance		
	layout/ production	SKETCH TINKERCAD....	
	publication/PR	ELLAK, GITHUB, YOUTUBE	

EXISTING MATERIALS

Attention!
Make sure
that you are
allowed to
use these
materials
under the
selected
license

ARDUINO UNO, BREADBOARD X2
POTENCIOMETER X2, DHT SENSOR
HSR04 SENSOR, LCD 20X4
JUMPER CABLES, HC05 BLUETOOTH

INCENTIVES FOR COLLABORATION

Give credit in the attribution
Give credit within project description
Prepare a printed version for the authors

DISTRIBUTING THE OER

<https://opendtech.ellak.gr/robotics2023/>
Omad-gamers-pc-game-that-connect-arduino-and-processing-ide/

ARCHIVING THE OER

<https://github.com/Nektarios25ma/pc-game-that-connect-arduino-and-processing-ide>

EFFORT (IN HOURS)

ΠΡΟΗΓΗΘΗΚΑΝ
20 ΜΑΘΗΜΑΤΑ
STEM
ΚΑΙ ΜΕΤΑ
Η ΥΛΟΠΟΙΗΣΗ
ΤΟΥ PROJECT
25 ΩΡΕΣ ΠΕΡΙΠΟΥ

WHAT ELSE CAN BE DONE WITH THE OER?

PARTNERS
Who else do we need?

Mark using colours

ΠΛΗΡΟΦΟΡΙΚΟ
ΦΥΣΙΚΟ
ΗΛΕΚΤΡΟΝΙΚΟ

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