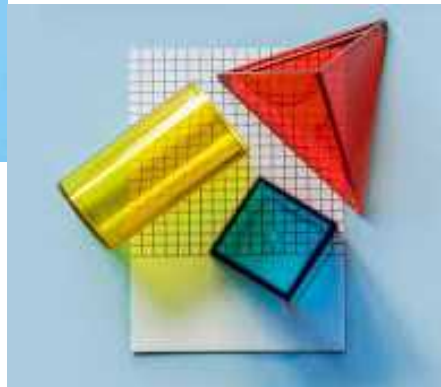




Project code:
2019-1-EL01-KA201-062914

Erasmus+ Call: 2019 - KA2 -



Erasmus+

This project is funded by the European Union.



3D printing technology aims students understanding maths and recycling procedure

*Curricula 2: Digital Sketching
"User Interface & Tools"*

Output 3 (O3) - 3D Printing and Maths

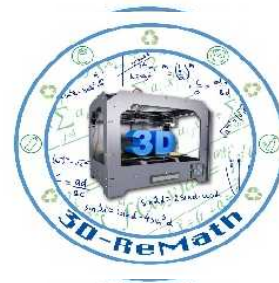
Overview (1/2)



In this lesson we learn how to customize 3D models found on the Internet. We download a 3D model from Thingiverse, import it into SketchUp and customize it by adding our name, using the Text Tool.

Overview (2/2)

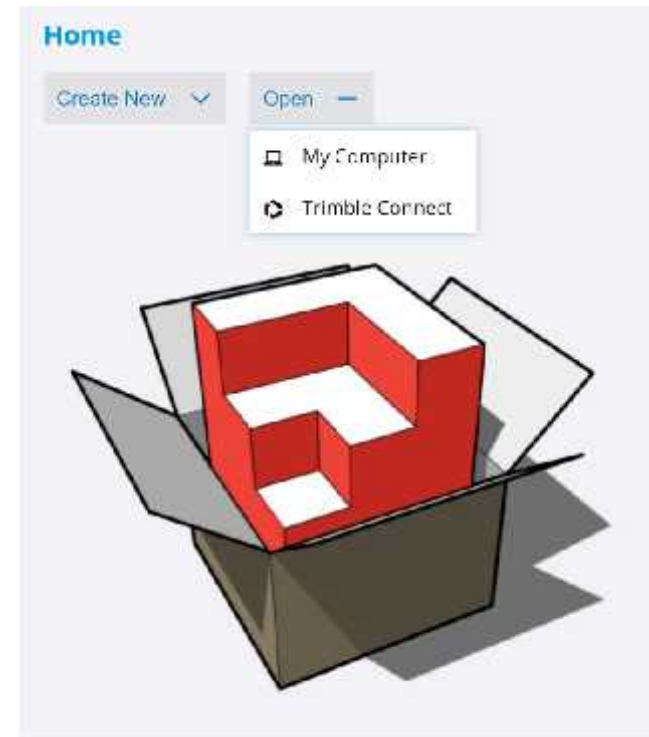
- Import to SketchUp Web
- Customization





Import to SketchUp Web (1/11)

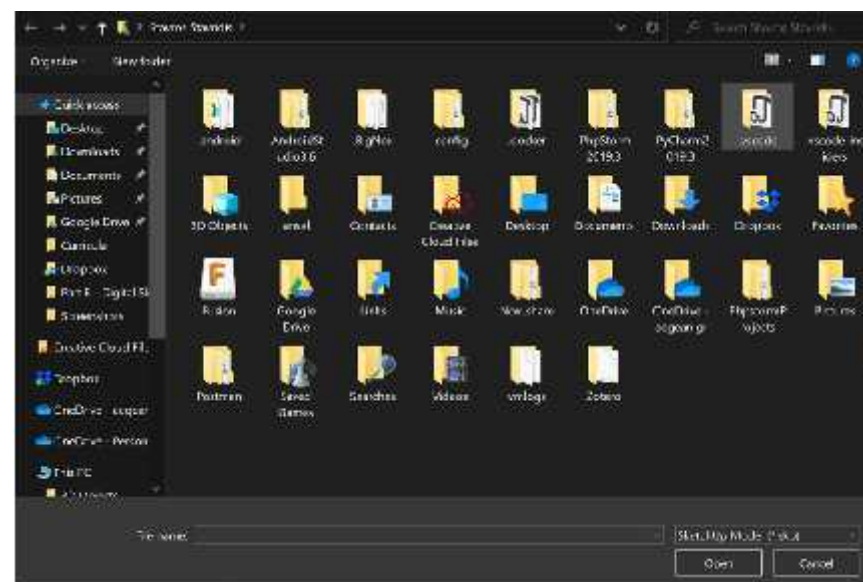
- Go to SketchUp Web
- Instead of “Create New” select “Open”
- Select “My Computer”



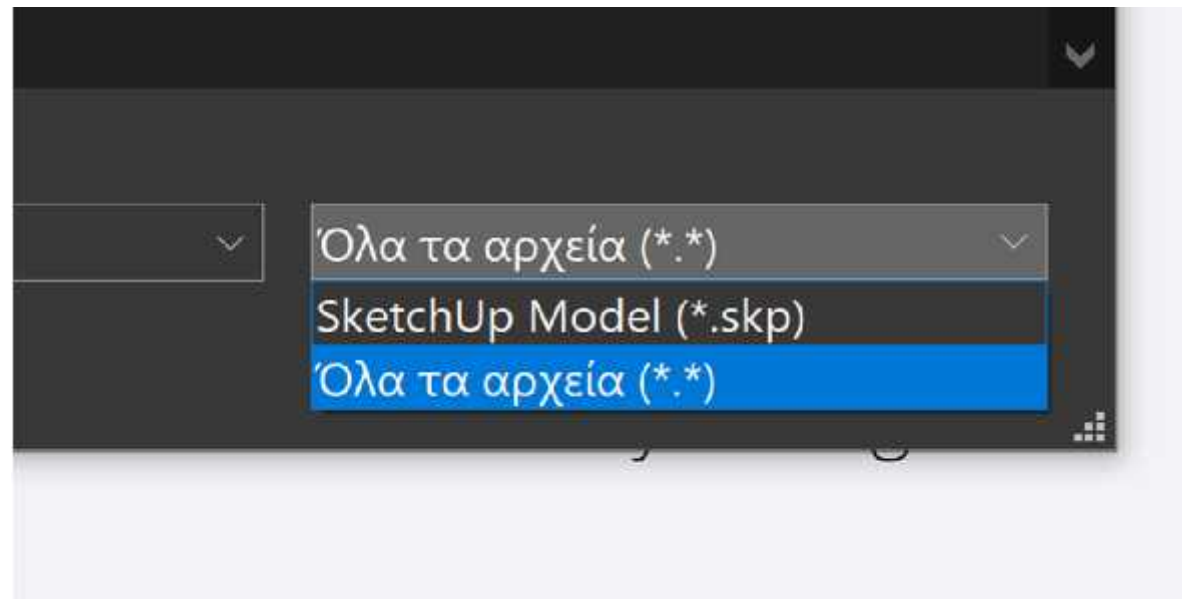


Import to SketchUp Web (2/11)

- A prompt window will appear
- Change the file type from .skp to all files



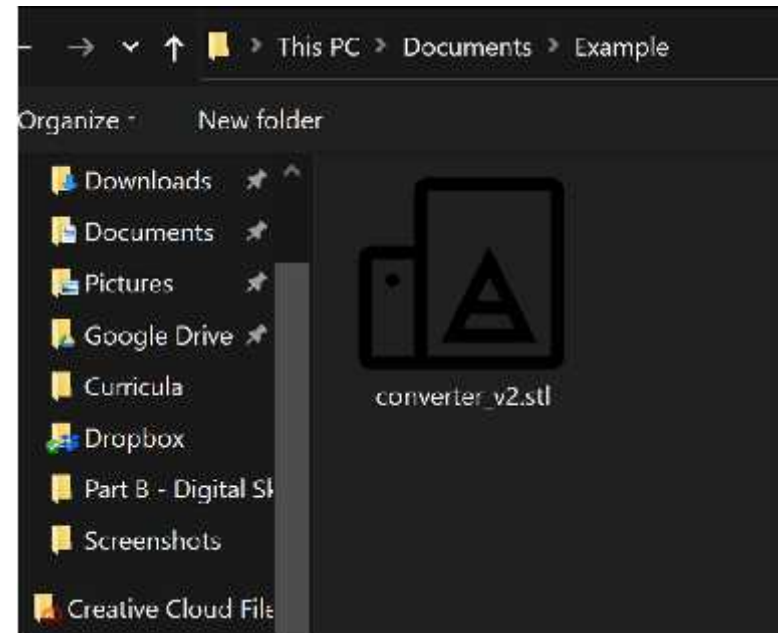
Import to SketchUp Web (3/11)



Import to SketchUp Web (4/11)



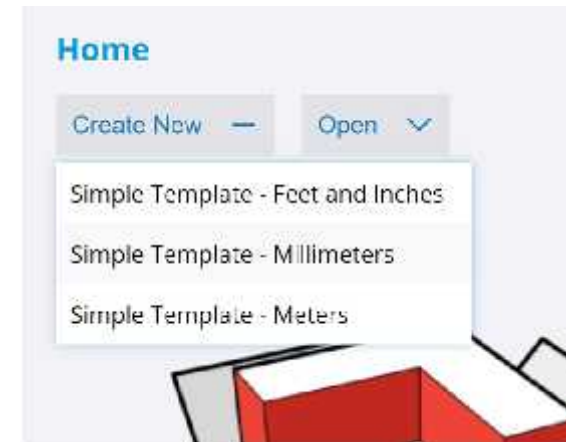
- Go to the folder we created on Documents and choose the object we downloaded



Import to SketchUp Web (5/11)



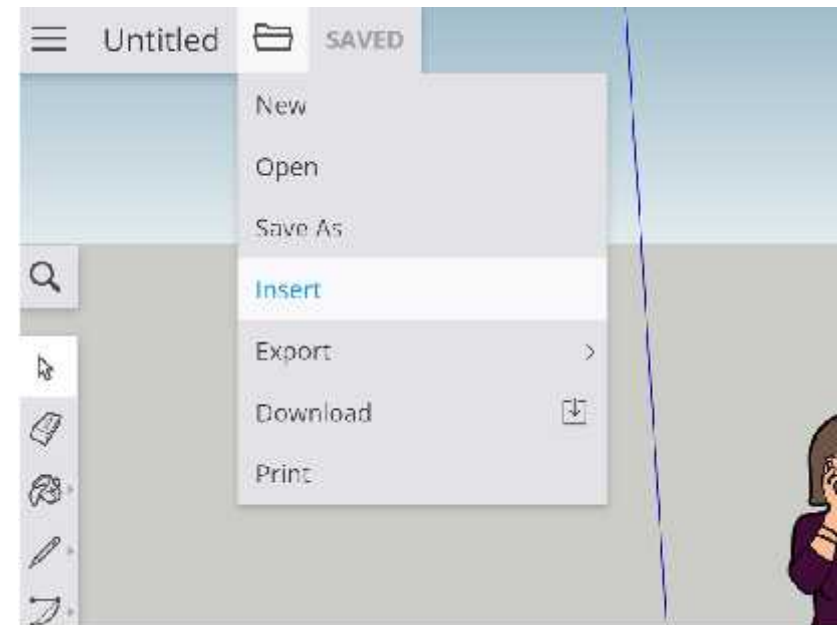
- Or you can choose “Create New” and choose the unit size you want
- The 3D space scene will appear





Import to SketchUp Web (6/11)

- Choose the icon folder and from the dropdown menu select “Insert”





Import to SketchUp Web (7/11)

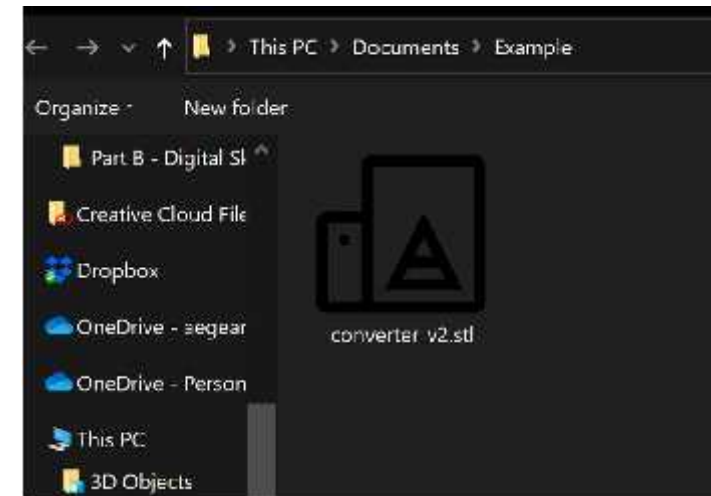
- A prompt window will appear
- Choose the option “Your computer”



Import to SketchUp Web (8/11)



- Find the 3D object file we downloaded and insert it



Import to SketchUp Web (9/11)



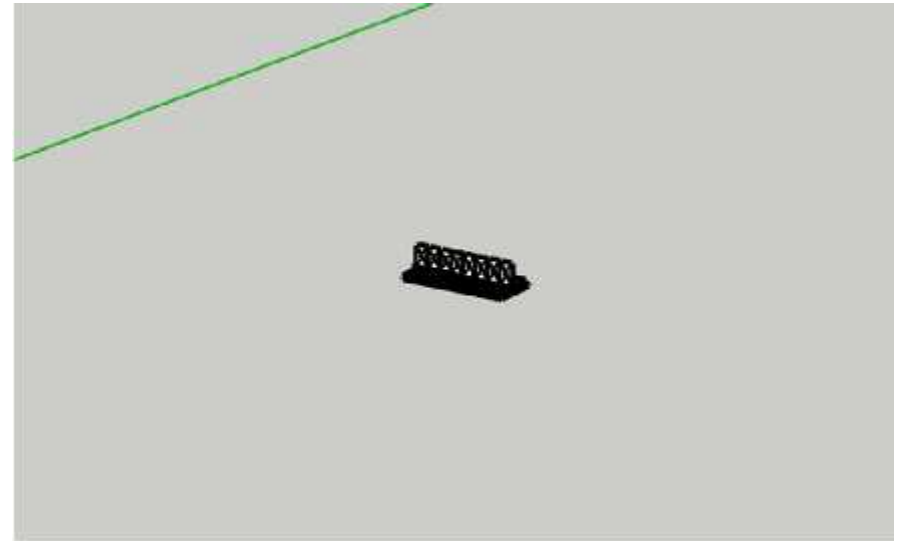
- Click “Insert as Component”



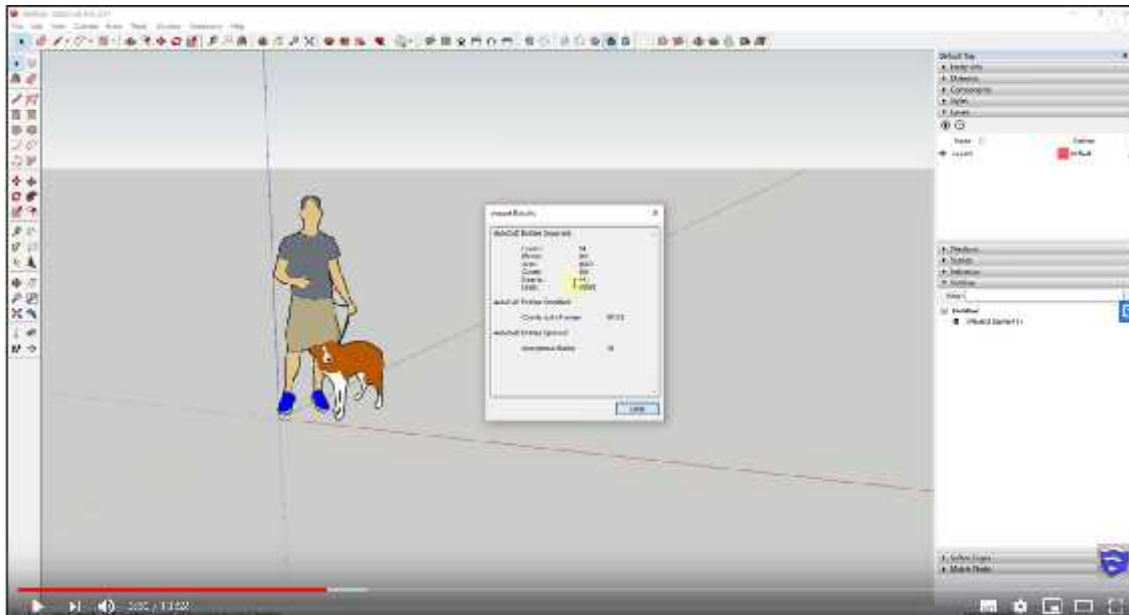
Import to SketchUp Web (10/11)



- Click once on the space to position the 3D object



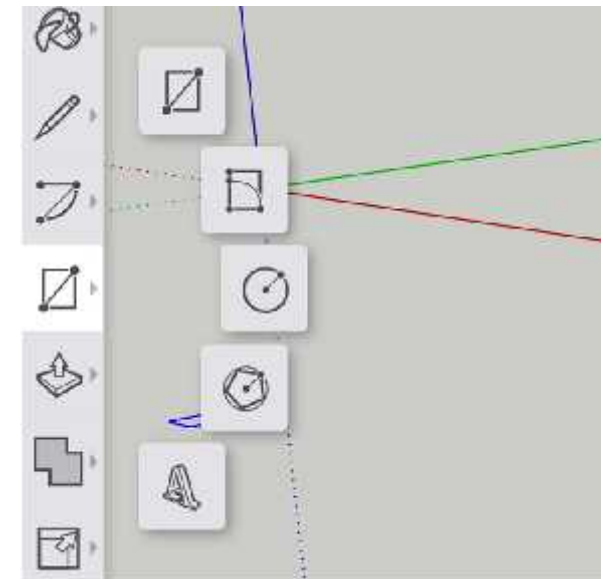
Import to SketchUp Web (11/11)



YouTube. TheSketchUpEssentials. "Importing CAD FILES into SketchUp". 2019

Customization (1/3)

- From the toolbars choose “Draw Shapes” tool and select “3D Text”



Customization (2/3)



- Fill the name or the word you want and press OK

A screenshot of a software dialog box titled 'CREATE 3D TEXT'. The dialog has a close button (X) in the top right corner. It contains a text input field with the word 'Doe' entered. Below the input field, the font is set to 'Lora' and the weight to 'Regular'. The 'Height' is set to '- 305 mm'. There are two checked checkboxes: 'Text filled' and 'Text extrusion'. The 'Text extrusion' checkbox has a sub-input field set to '- 152 mm'. At the bottom, there are 'Cancel' and 'OK' buttons.

CREATE 3D TEXT

Doe

Font:
Lora Regular

Height: - 305 mm

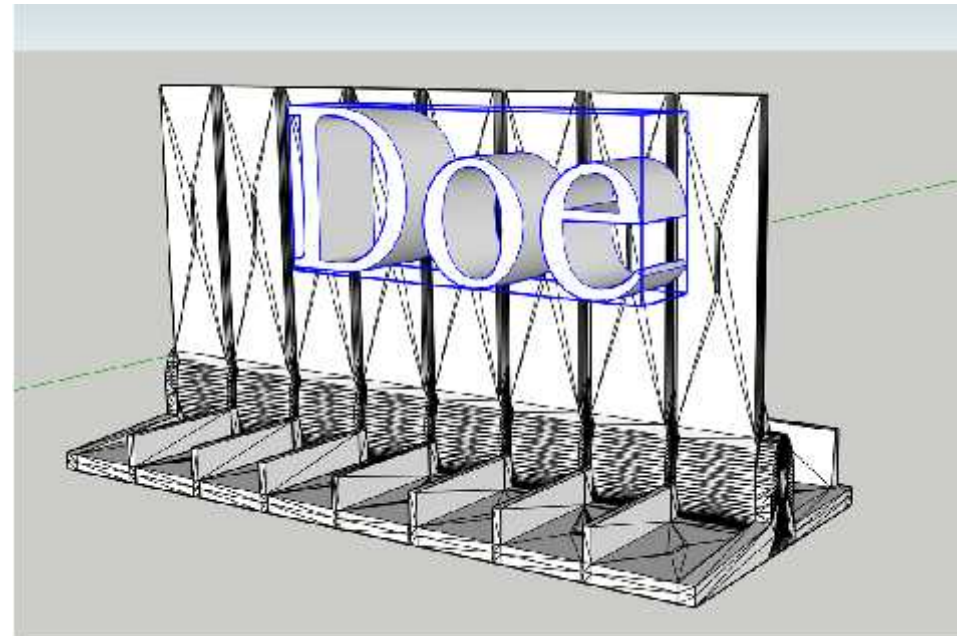
Text filled

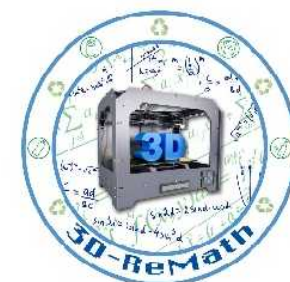
Text extrusion: - 152 mm

Cancel OK

Customization (3/3)

- Go to the surface of the object you want and click once





Thank you!!

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