3D printing technology aims students understanding maths and recycling procedure

Curricula 2: Digital Sketching "User Interface & Tools"

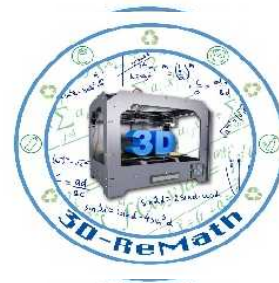### Output 3 (O3) – 3D Printing and Maths

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.
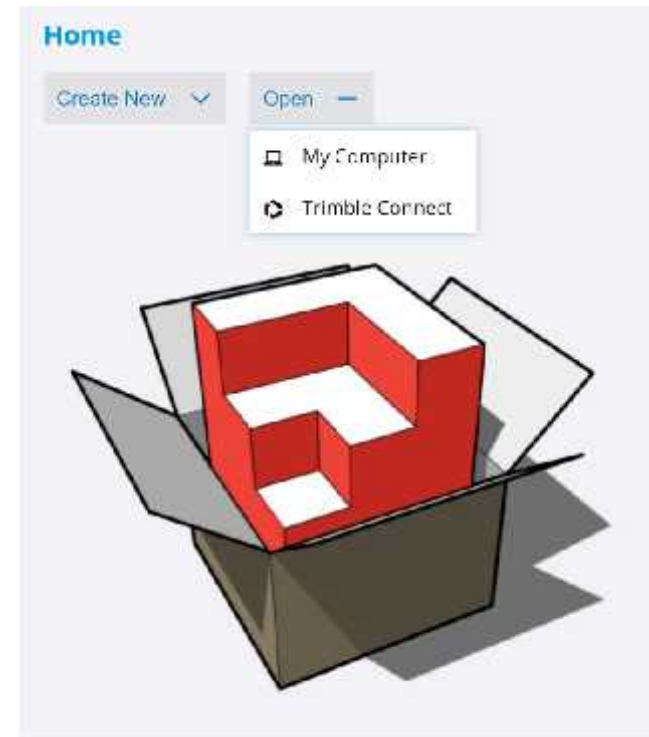
Overview (2/2)

- Import to SketchUp Web
- Customization
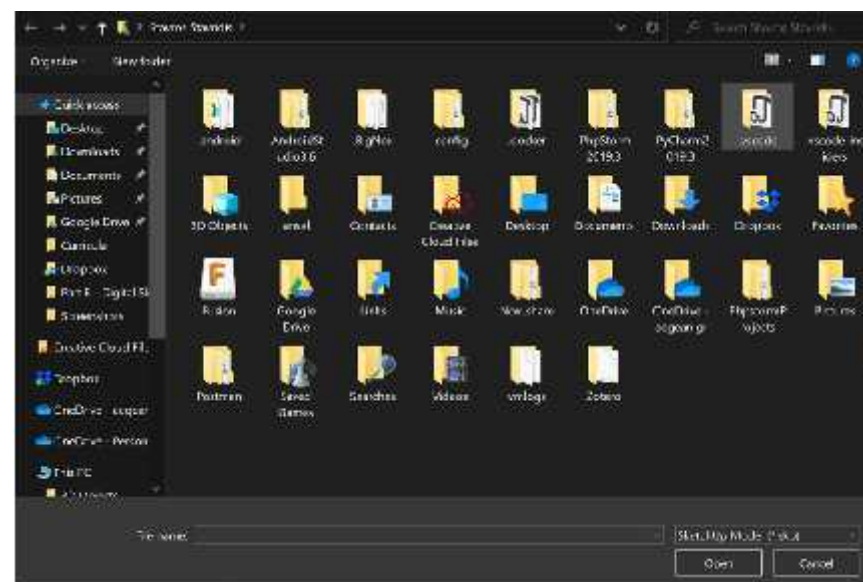
Import to SketchUp Web (1/11)

- Go to SketchUp Web

- Instead of "Create New" select "Open"
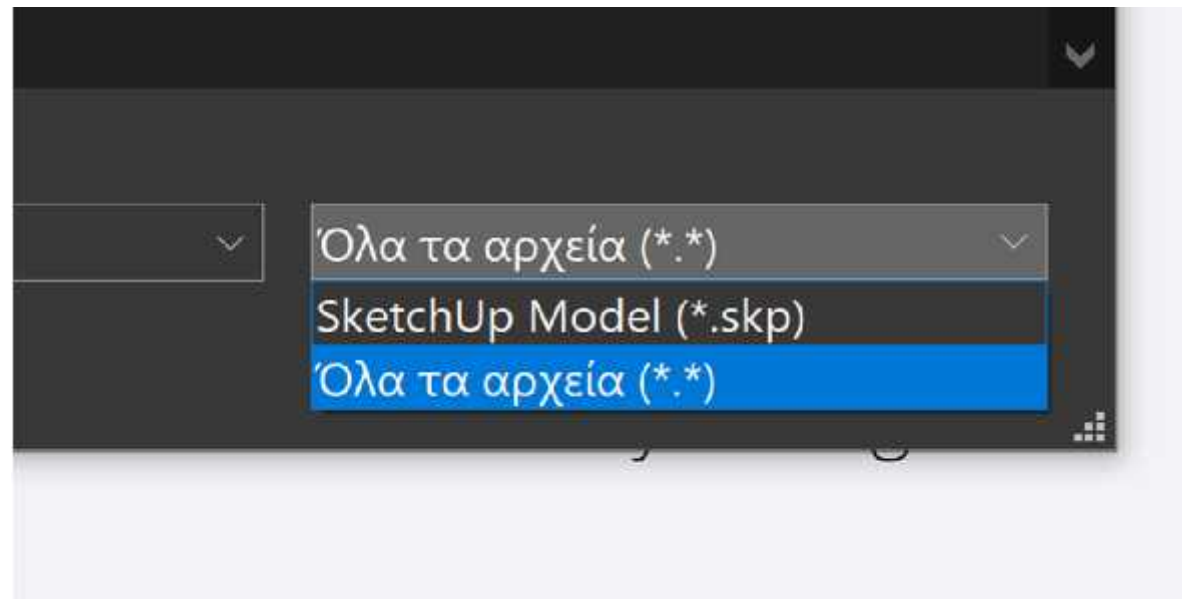
- Select "My Computer"

Import to SketchUp Web (2/11)

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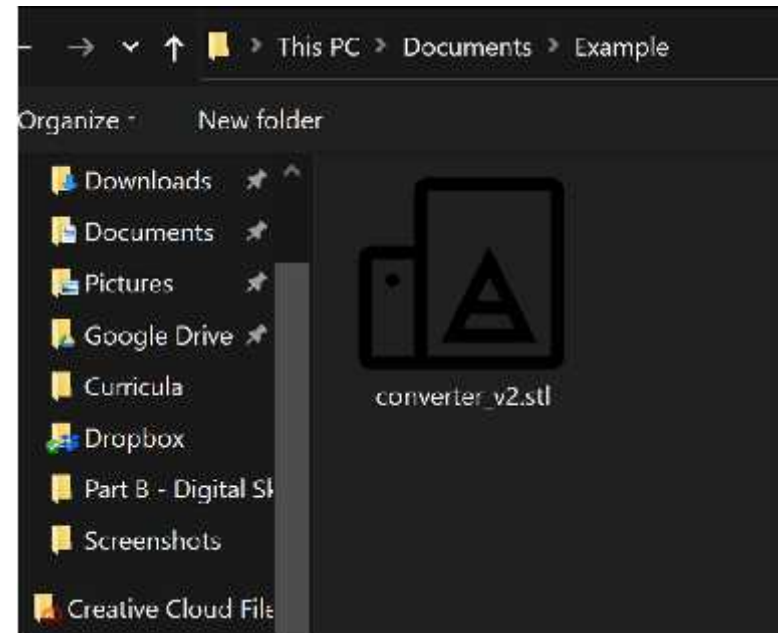- Change the file type from .skp to all files

Import to SketchUp Web (3/11)
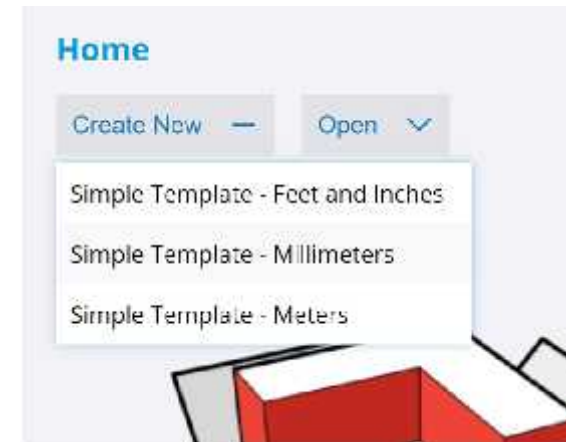
Import to SketchUp Web (4/11)

- Go to the folder we created on Documents and choose the object we downloaded
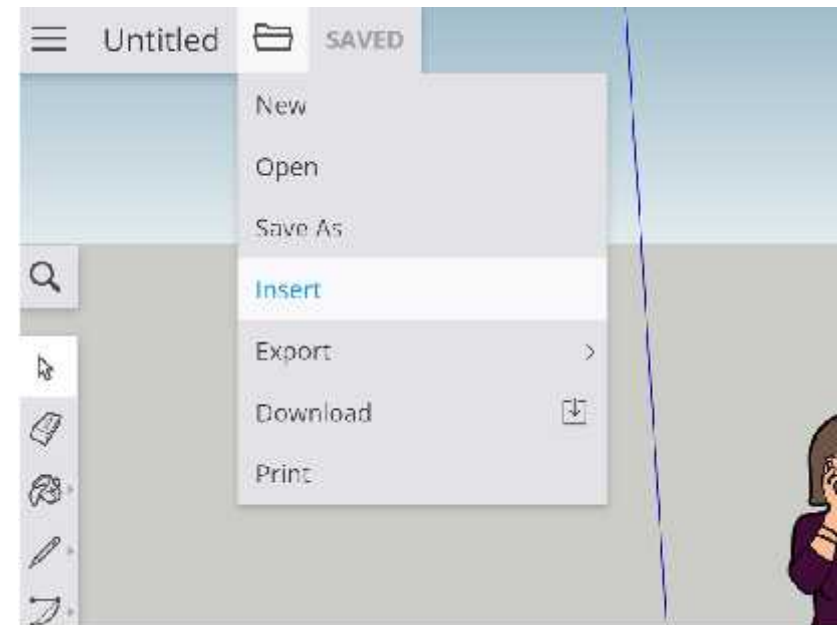
Import to SketchUp Web (5/11)

- 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"
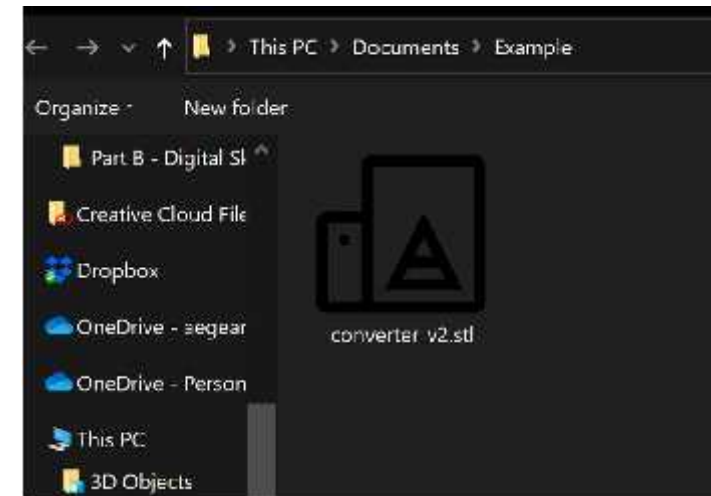
Import to SketchUp Web (7/11)

- A prompt window will appear

- Choose the option
  "Your computer"

Import to SketchUp Web (8/11)

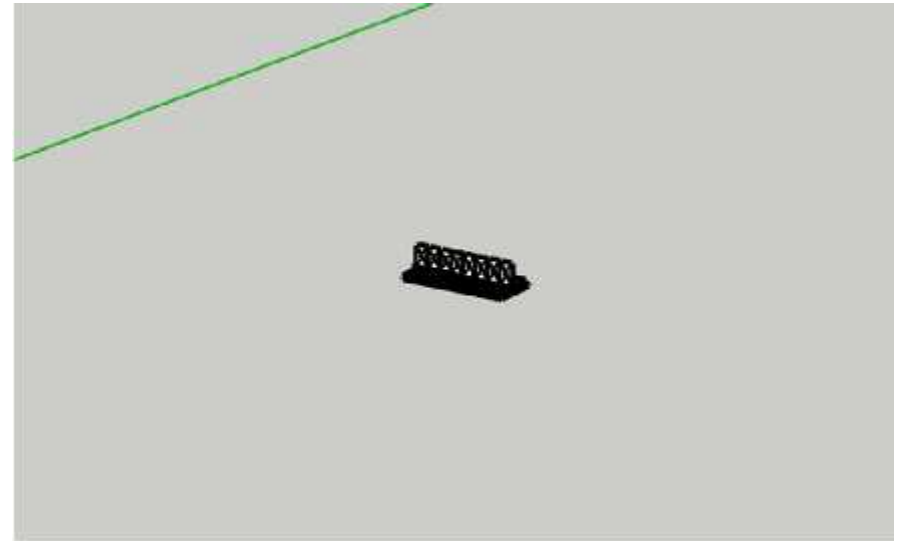- Find the 3D object file we downloaded and insert it
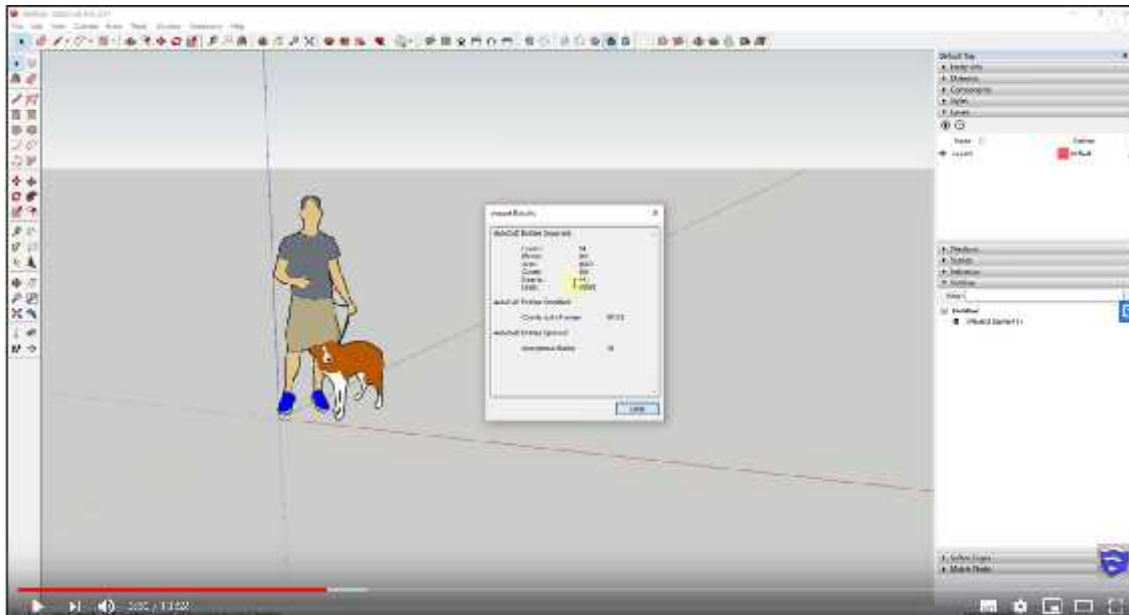
- Click "Insert as Component"

Import to SketchUp Web (10/11)

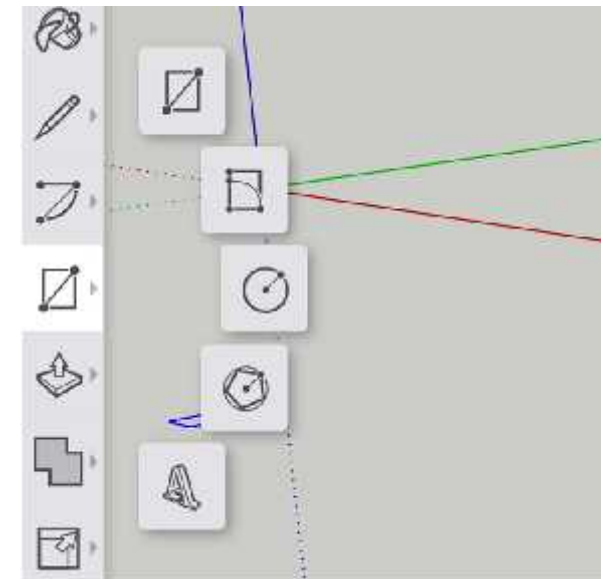- Click once on the space to position the 3D object

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

CREATE 3D TEXT ✕

Doe

Font:
Lora   Regular

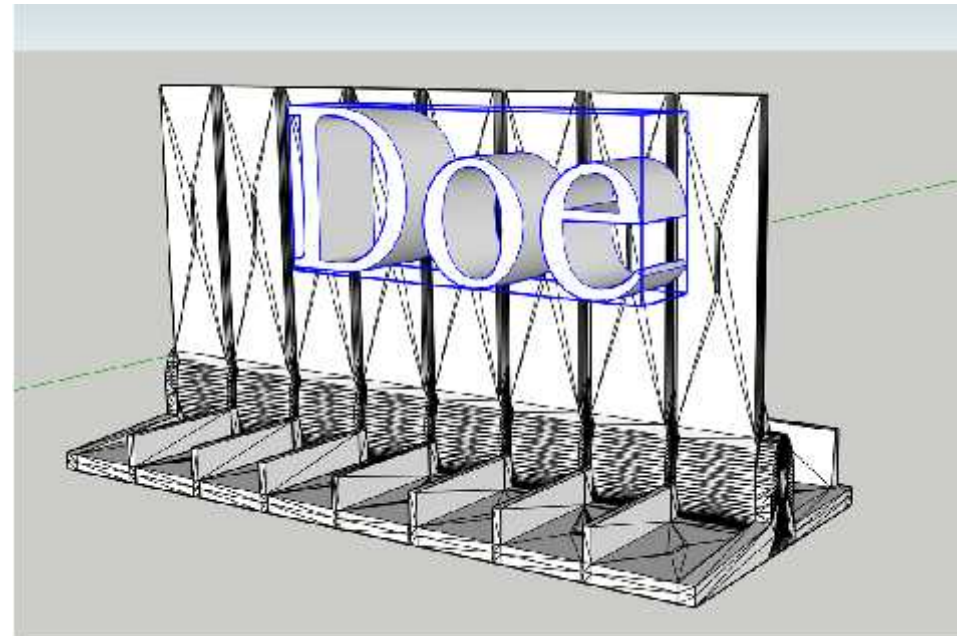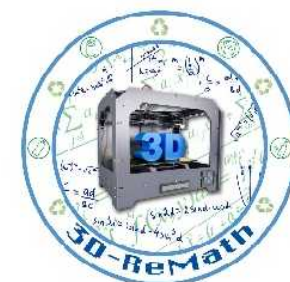Height: – 305 mm

☑ 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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