

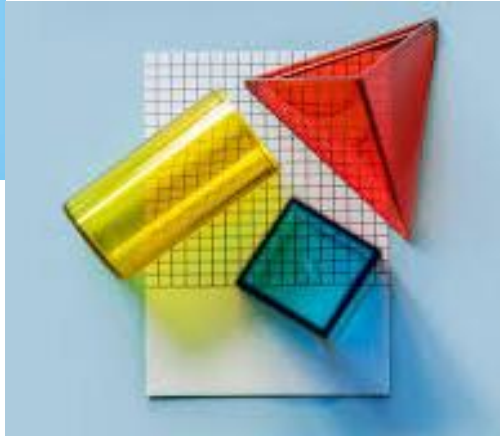


Project code:  
2019-1-EL01-KA201-062914

Erasmus+ Call: 2019 - KA2 -



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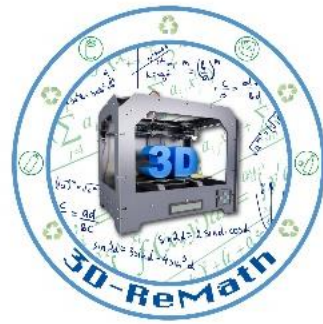
# *3D printing technology aims students understanding maths and recycling procedure*

## *02\_3<sup>rd</sup> Curricula of Maths: Stereometry*

### **From 2D to 3D**

# Outline

- From pictures to objects
- Play with software
- Play with photos



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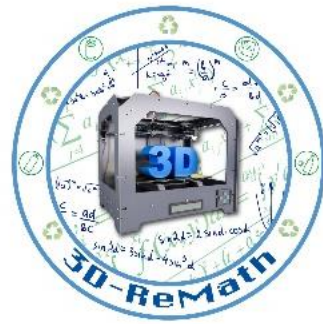
*This project is funded by the European Union.*



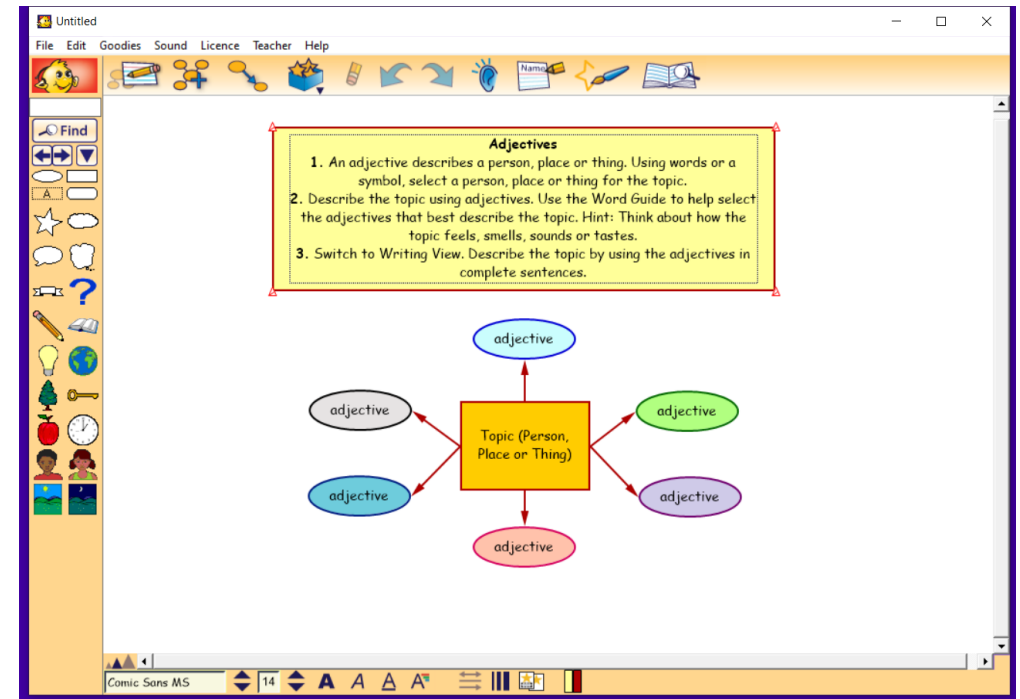
# Let's play 6-10

- Use the following link to download Kidspiration software

<https://kidspiration.software.informer.com/%CE%9B%CE%AE%CF%88%CE%B7/>



Try a free trail of 30 days



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# Let's play 6-10

Open a new file

At the left at the "Find" button, search for a shape

Drag Shapes at the 1<sup>st</sup> column

At the 2<sup>nd</sup> column define a 2D shape

At the 3<sup>rd</sup> column the corresponding 3D shape

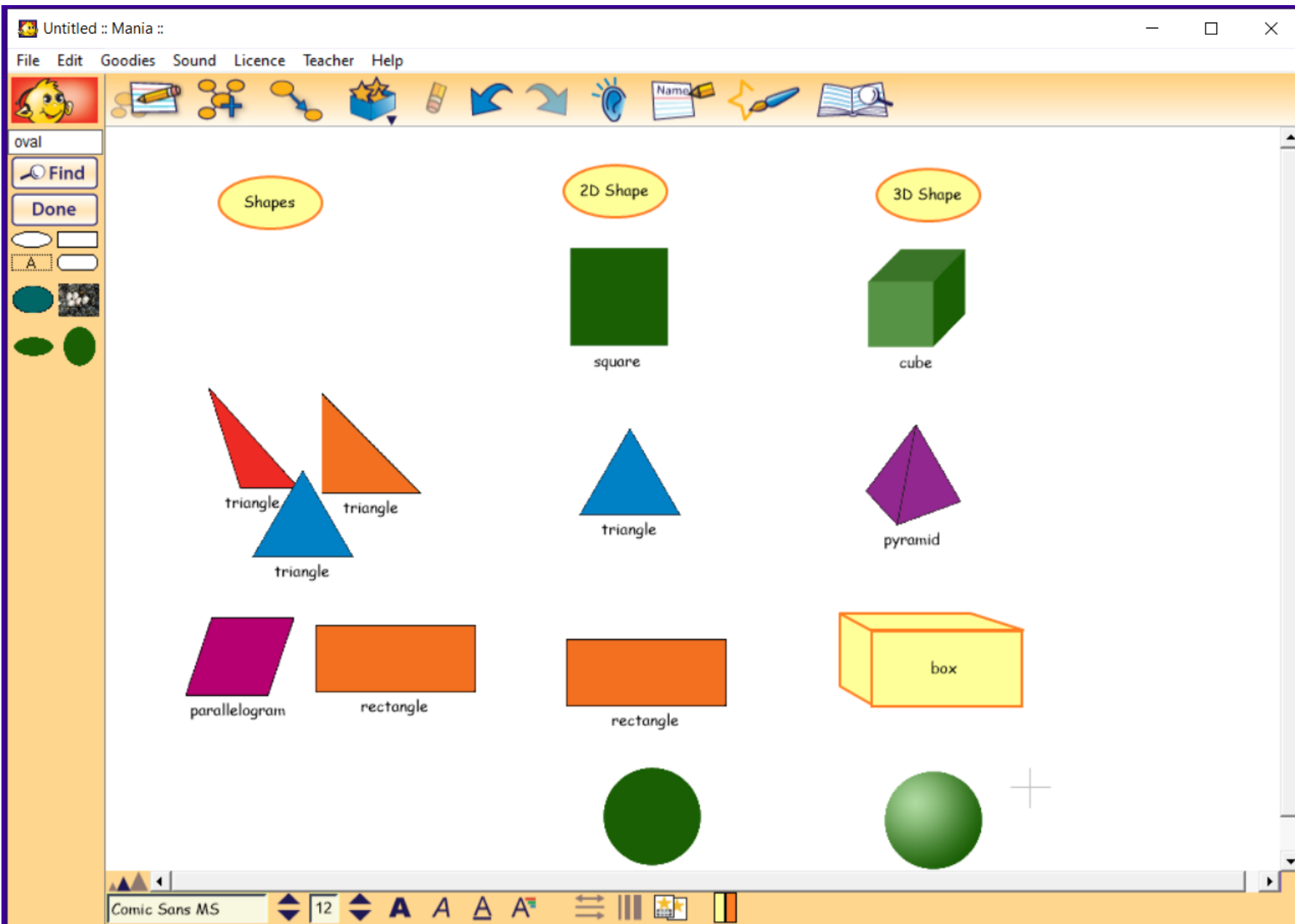


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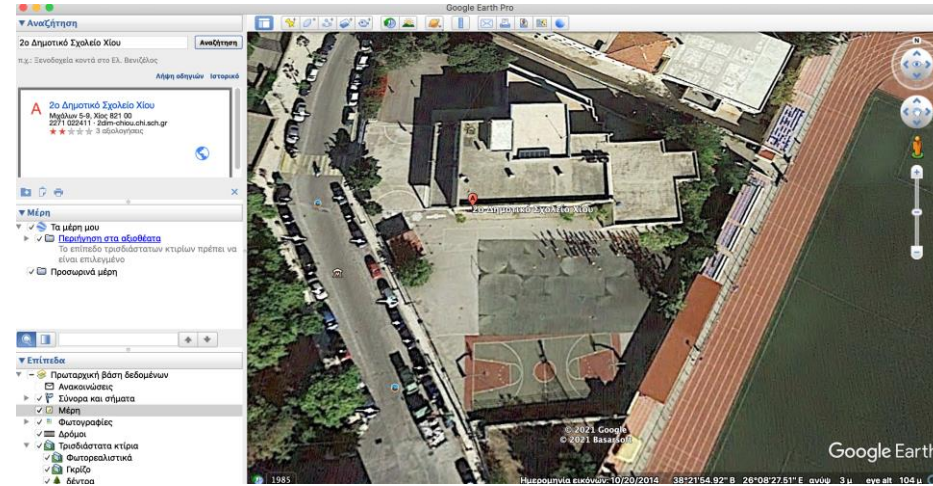
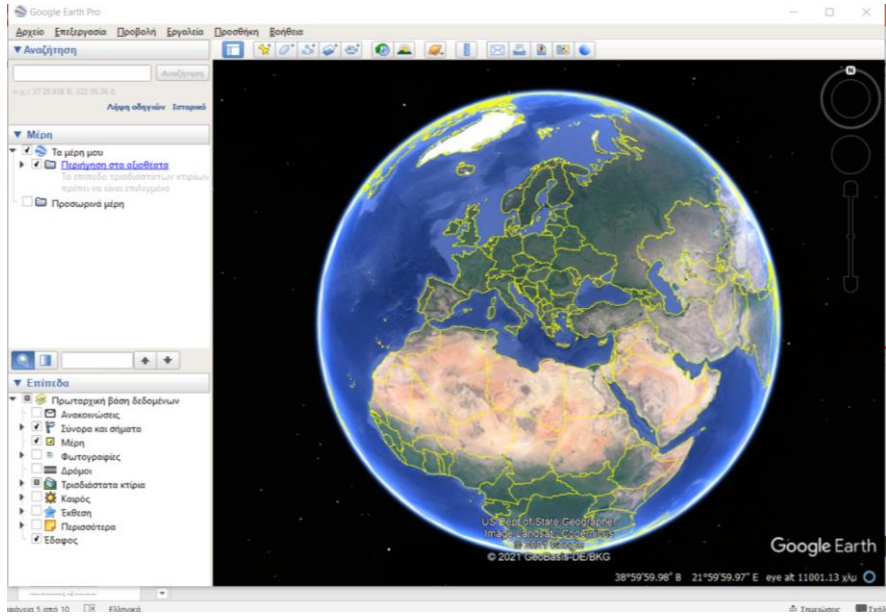


IKY



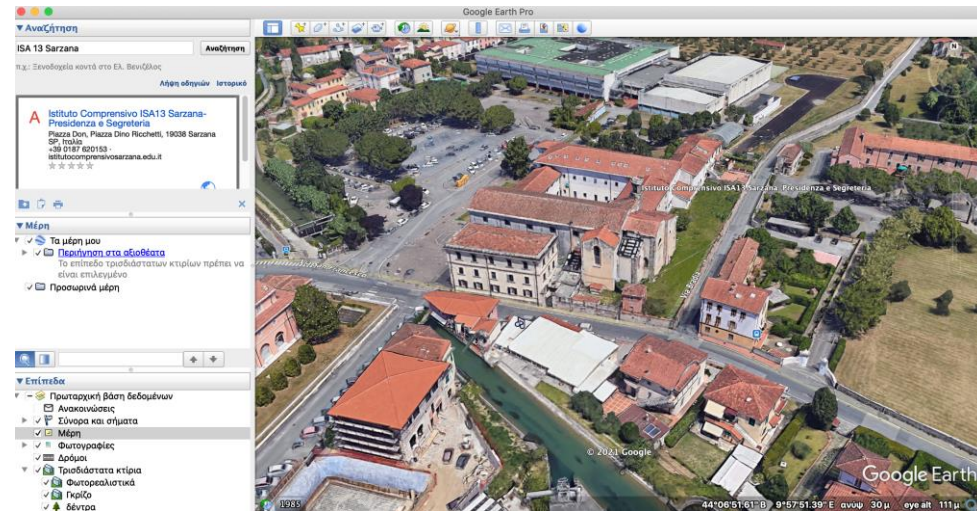
- Download Google Earth

## 2<sup>nd</sup> Primary School Chios

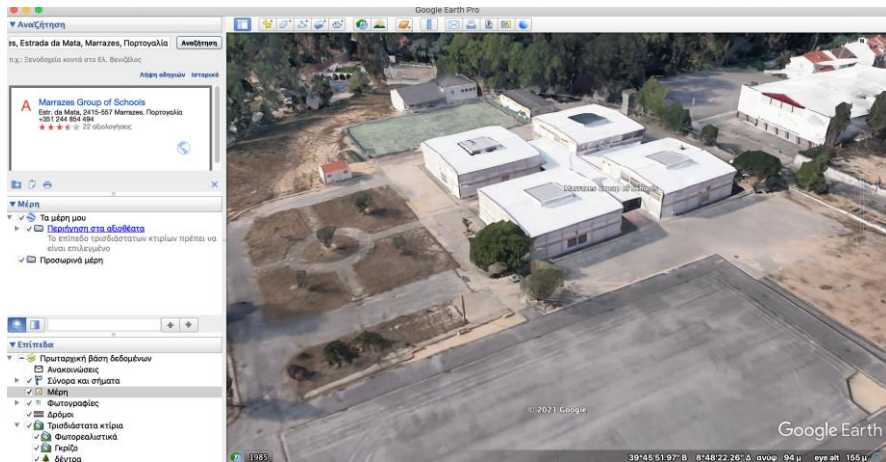


Let's play  
11-14

## Instituto Comprensivo ISA 13 Sarzana



## Agrupamento de Escolas de Marrazes



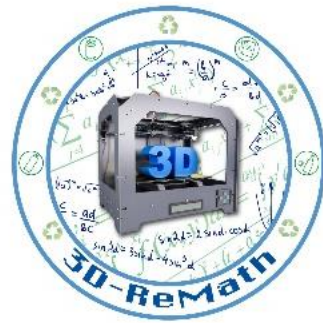
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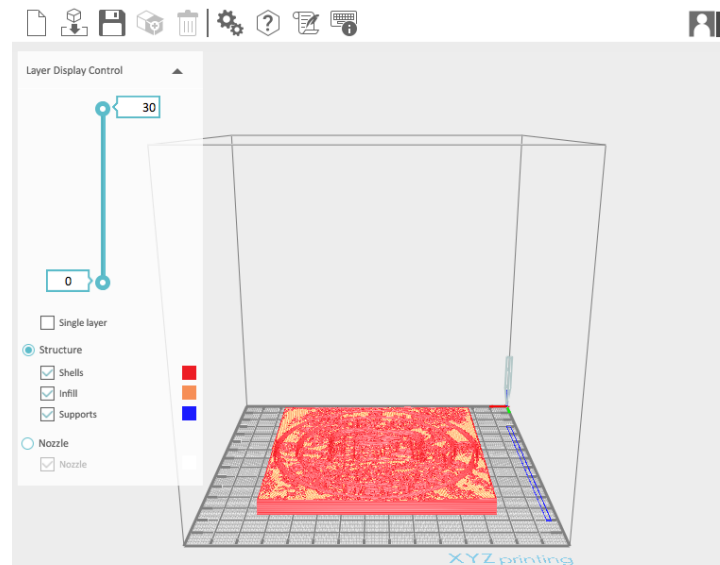
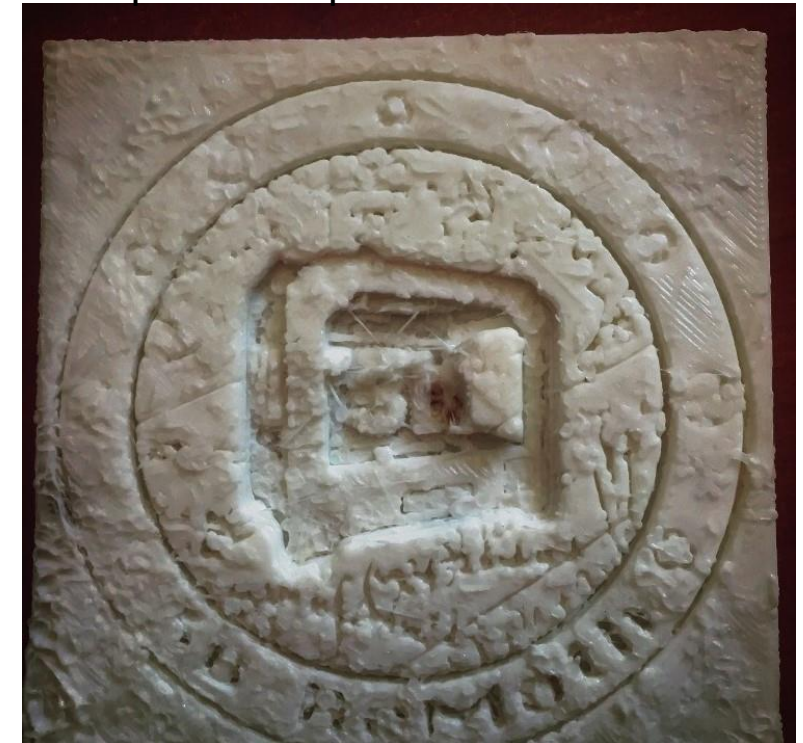
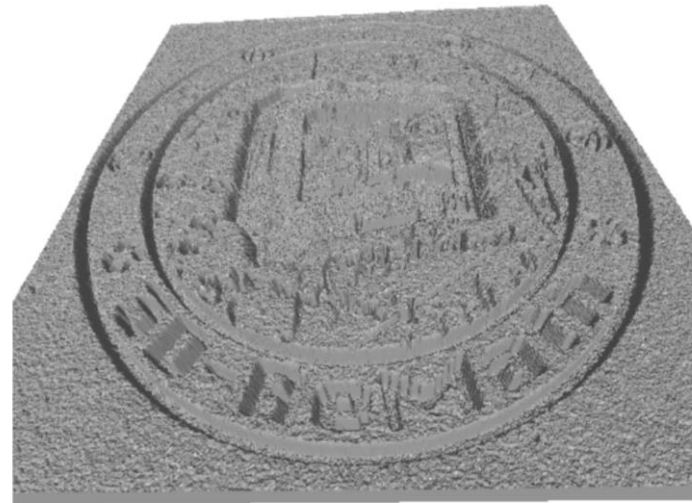


# Convert 2D images to 3D files

Open <https://imagetostl.com>, upload a phot, download .stl file, prepare the slicing file, print



Unsuccessful trial,  
but as it prints for 5 hours,  
I upload the photo here



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... and a successful printing

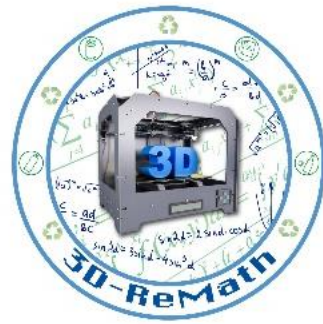


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# Play, play play



Students could convert images from 2D to 3D and print them



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