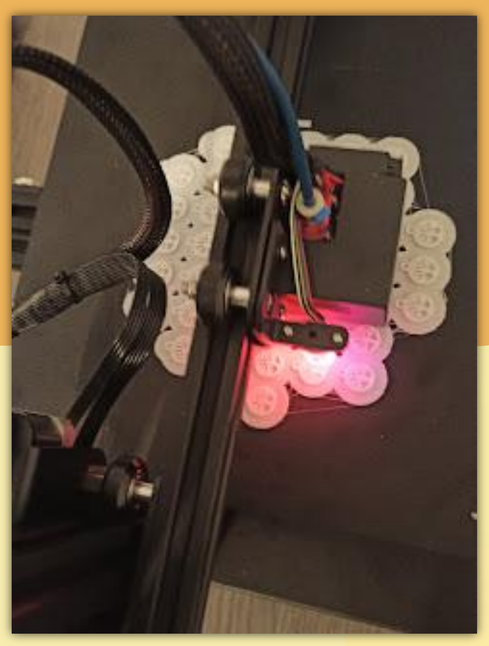
GEOMETRICIAN'S VIEWS

TOPIC: 3D printing

Mathematical View

Preparation for 3D printing can be done in use with various programs such as GeoGebra (www.geogebra.org), or Sketchpad (https://sketch.io/sketchpad/). There are several stages of 3D printing prior to the final product.
Sketchpad files can be prepared for 3D print with software Cura or EasyPrint 3D. Depending on the 3D printer quality of printer the outcome quality could vary.

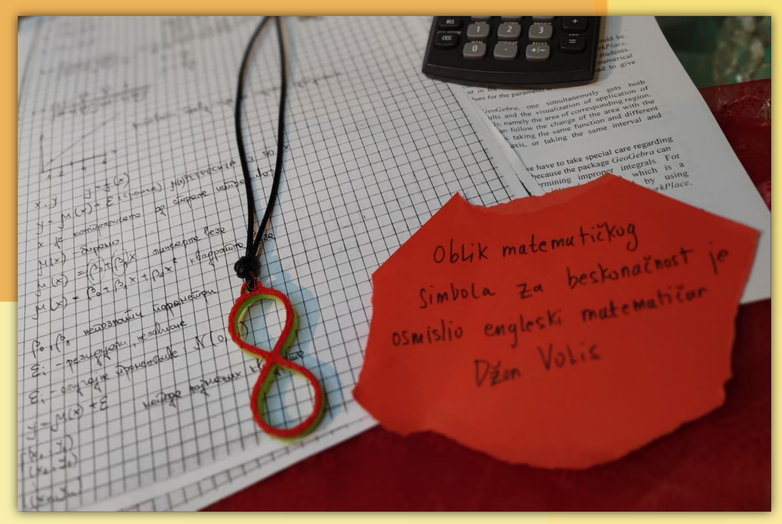
Researcher
Miroslav Novta



Artistic View

Students can explore prepared files for 3D printing and use to explore mathematical concepts. Beside printing mathematical objects and geometrical solids, students can 3d print something nice and useful.
Our idea was to print pendant as a piece of jewelry and give as a present someone.

Artist
Renata Zorić



Common View

The practical application of 3D printing and its technological advances impact different fields in everyday life. By introducing 3D printers to students we are giving the foundations for improving this technology in the future, which might improve our quality of life and make many things more accessible. Quick replication of objects has the possibility to improve lives in the future!
3D printing process starts from an idea and continues to modeling, which results in producing a model. This process might be very helpful in conceptualization and visualization many STEM concepts. The usage of 3D printers in the classroom combines science, technology, engineering, math, but also has aesthetic and artistic aspect. That makes 3D printer excellent tool for supporting STEM+art concept which combines to empower students in the developing competences such as inquiry or critical thinking.
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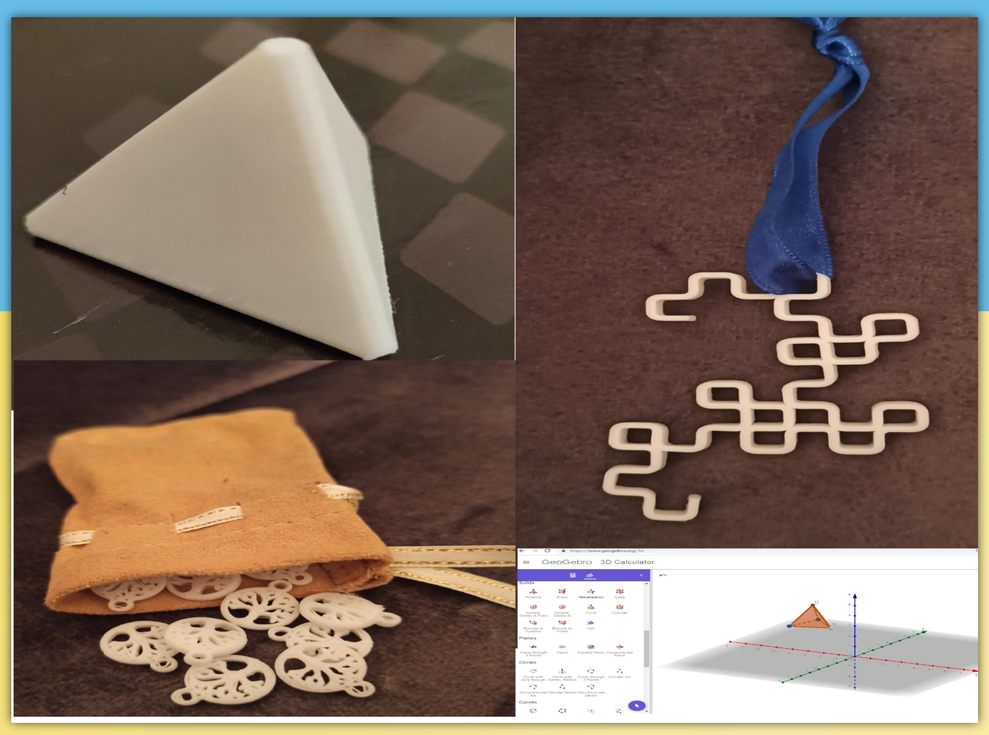
"Forget shopping we will be able to download our clothes."
Danit Pele



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ПЕТРО КУЗМЈАК
ОСНОВНА И СРЕДЊА ШКОЛА
СА ДОМОМ УЧЕНИКА

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