

“Druk 3D w edukacji, nauce i przemyśle”

3D printing in high school

experiences of students from XVIII
LO Zamoyskiego in Warsaw



XVIII LO im. Jana Zamoyskiego
w Warszawie

Robotics Club in Zamoyski

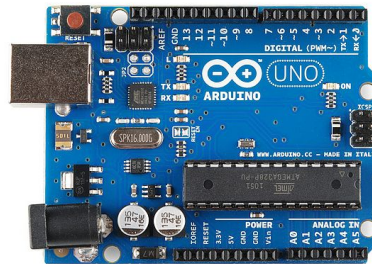
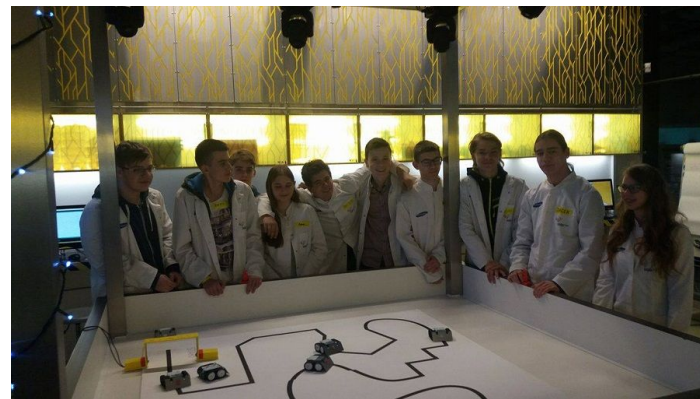


URZĄD MIASTA STOLECZNEGO WARSZAWY

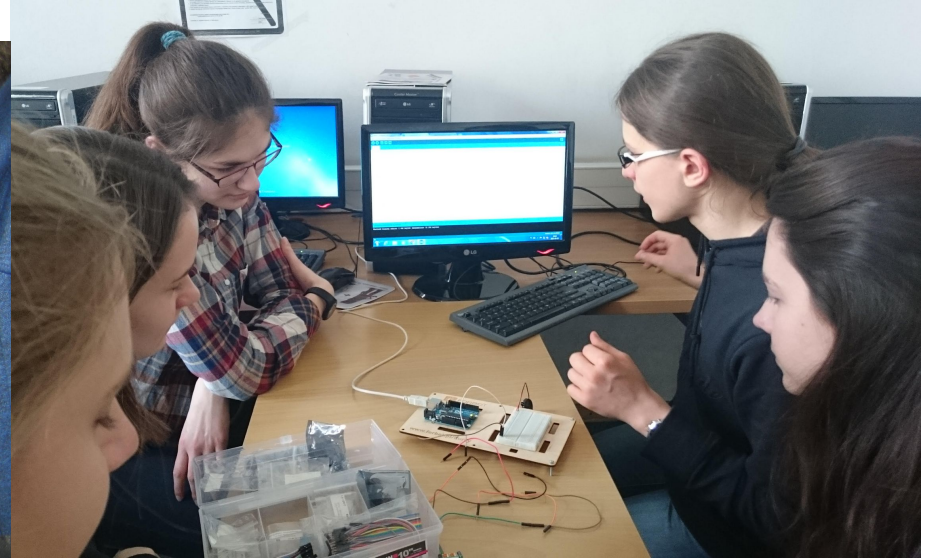
Biuro Edukacji

ul. Górskiego 7, 00-033 Warszawa, tel. 22 443 35 11, 22 443 35 00, 22 443 35 01, faks 22 443 35 12
edukacja@um.warszawa.pl, www.um.warszawa.pl, www.edukacja.warszawa.pl

- 3D printer da Vinci 2.0A Duo
- 2 drones
- LEGO Mindstorms sets
- Arduino microcontrollers
- Additional electronic components
- Notebooks



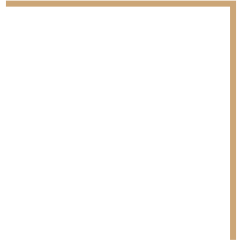
Robotics Club



Robotics Club



Our equipment



Hardware we use

Da Vinci 2.0 Duo 3D printer

Prints in two colors

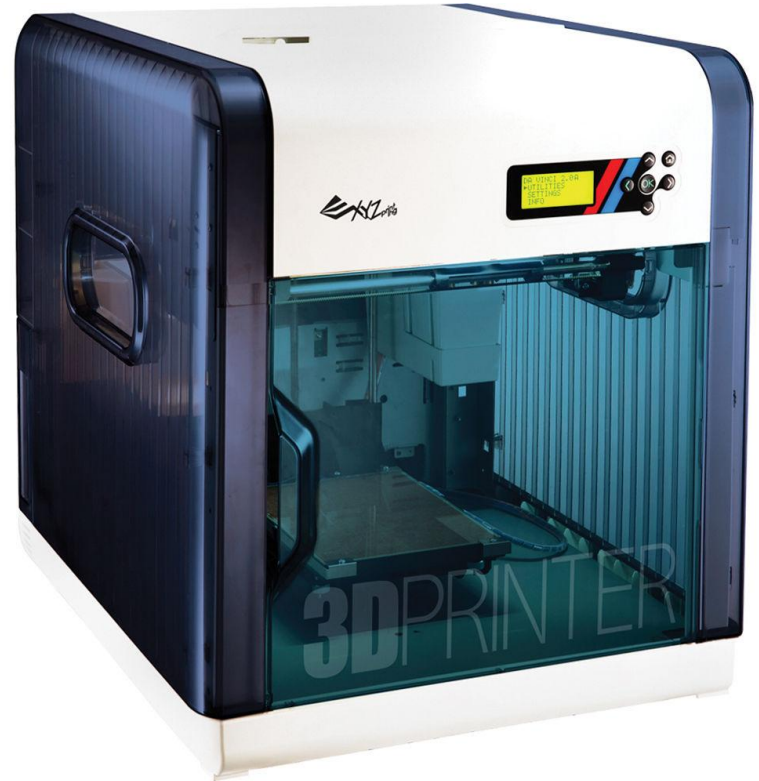
Minimum layer height 100 microns

Nozzle Diameter 400 microns

Filament Material ABS/PLA

Maximum model size 15 x 20 x 20 cm

1mm = 1000 microns





Software we use

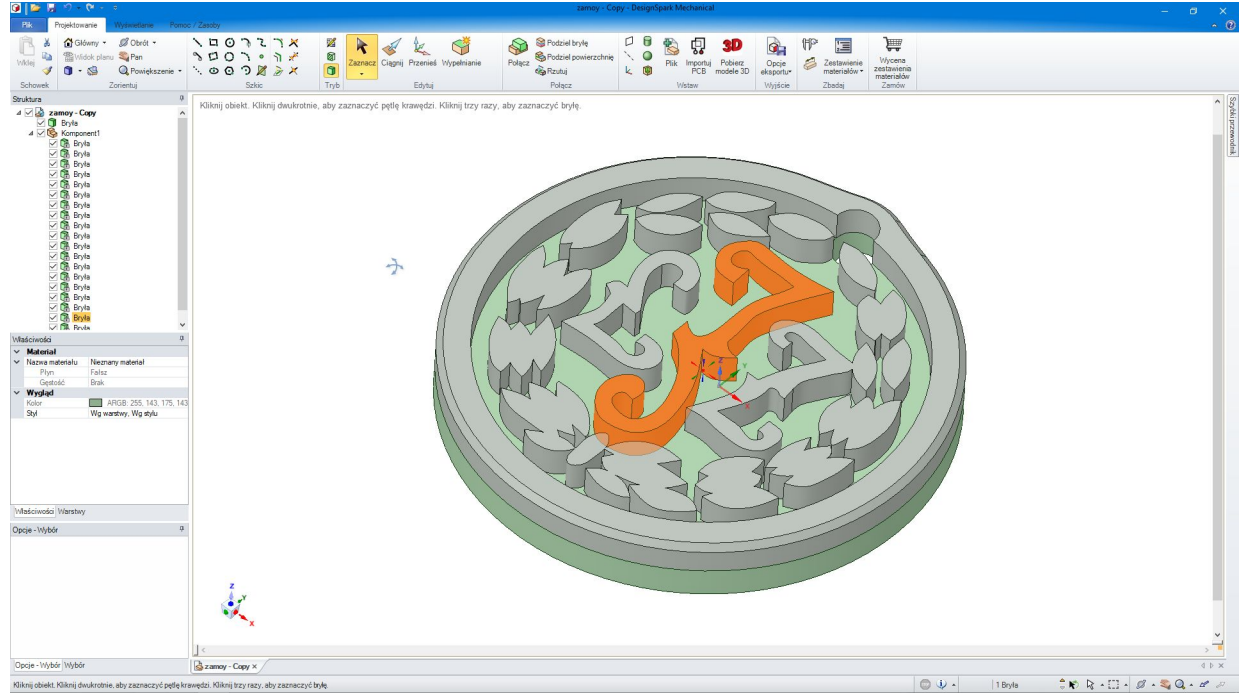


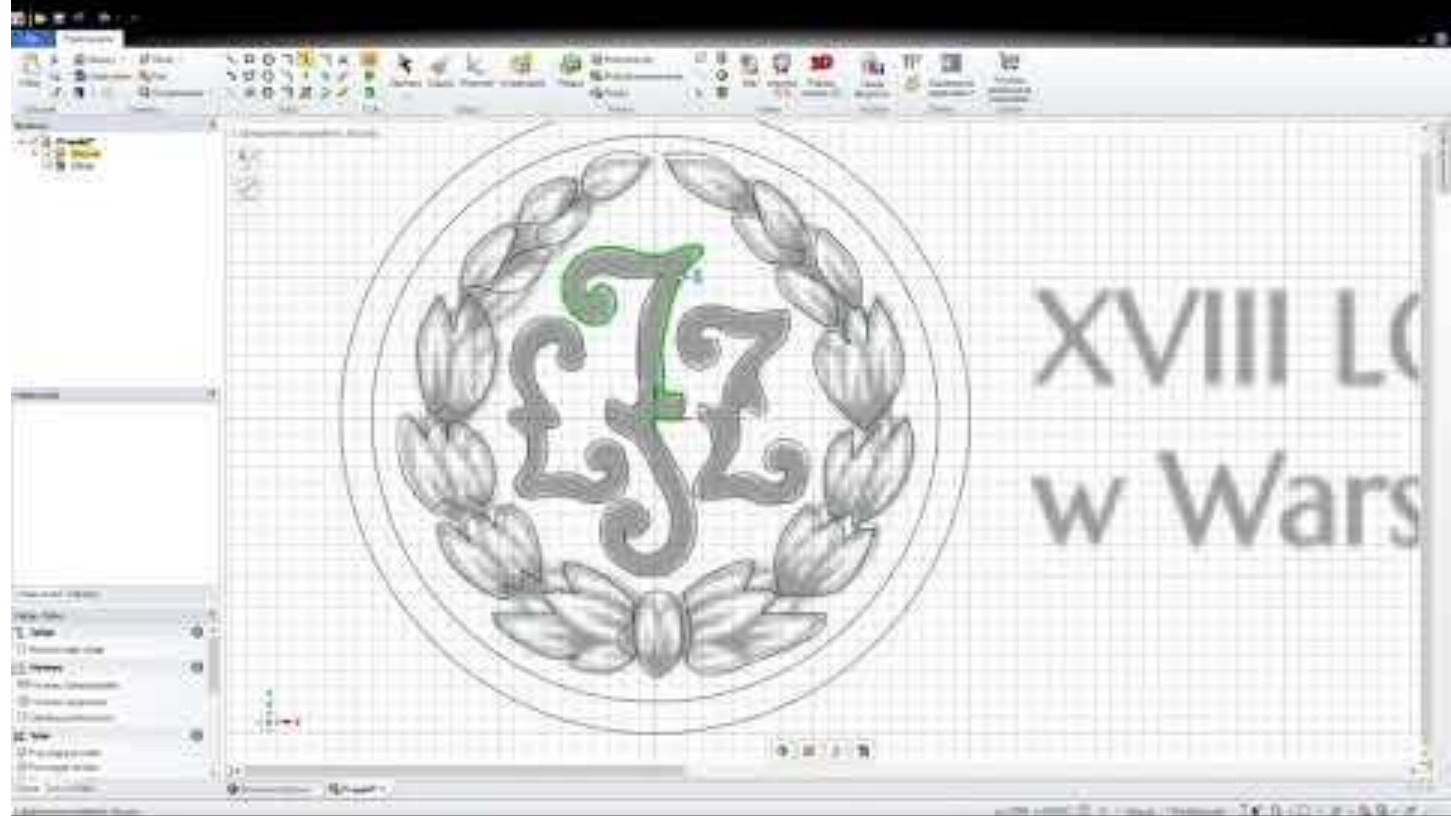
Software we use

Free 3D solid modeling software ***Design Spark Mechanical***



DESIGNSPARK

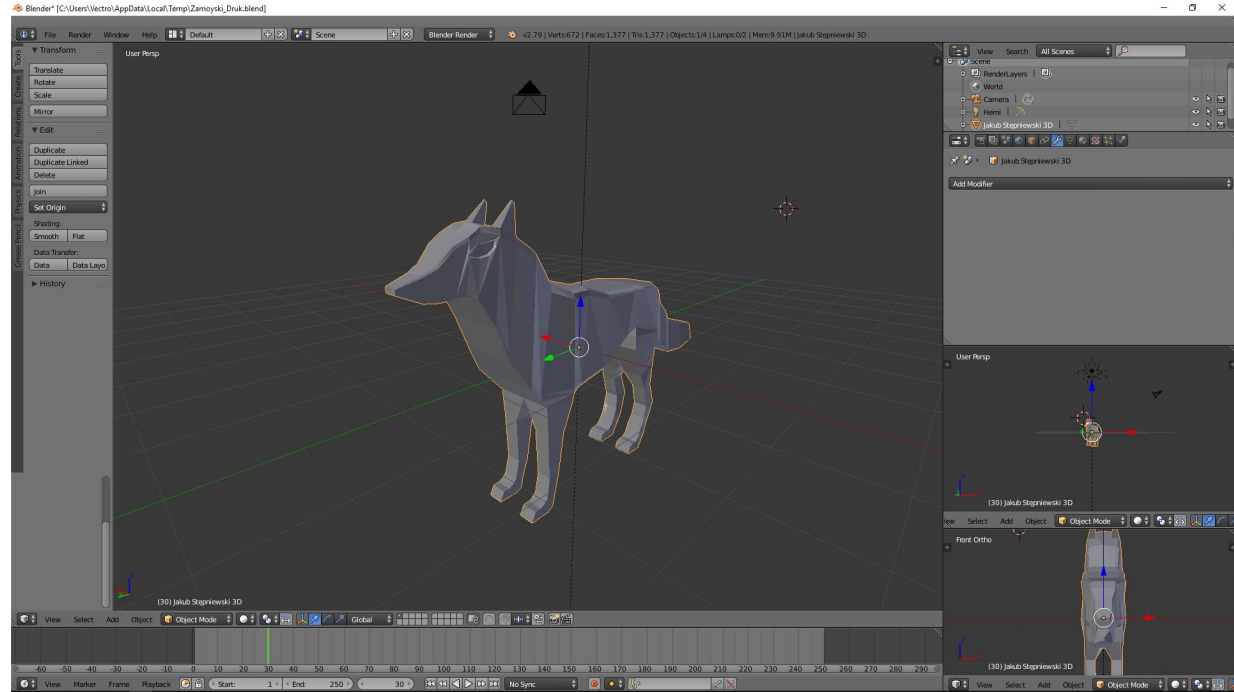






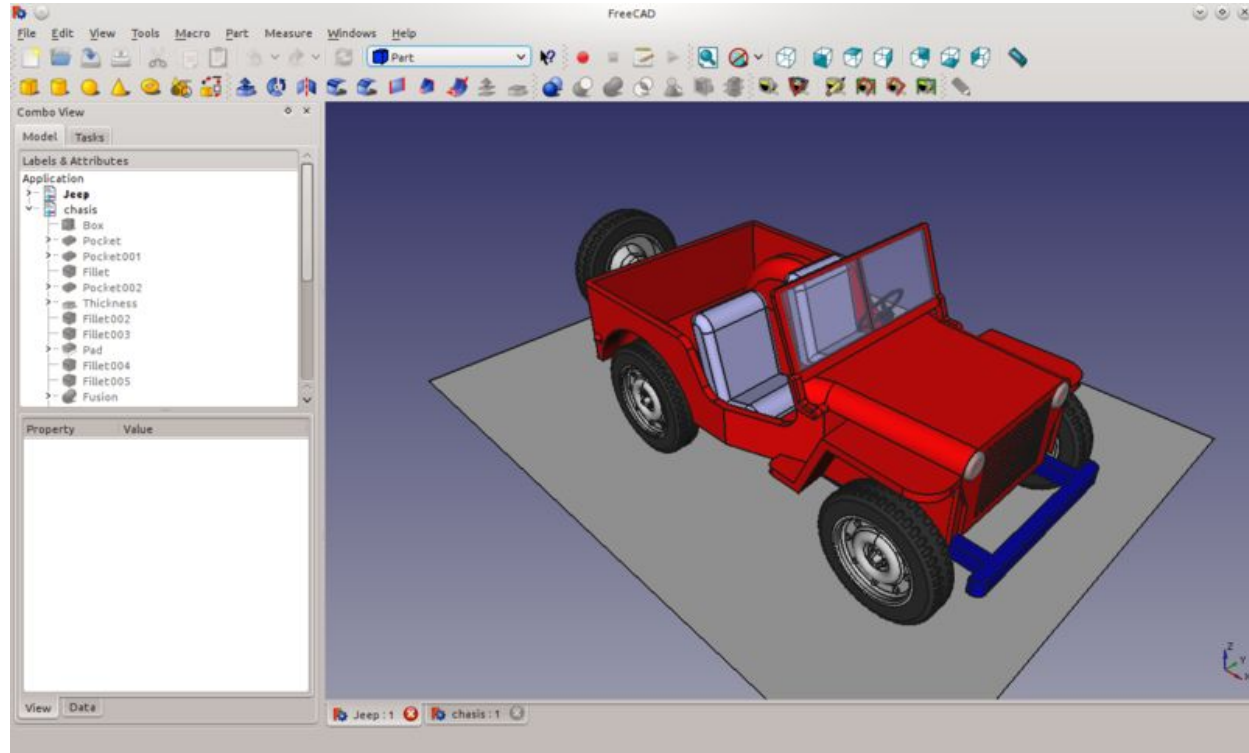
Software we use

Free 3D computer
graphics software
Blender



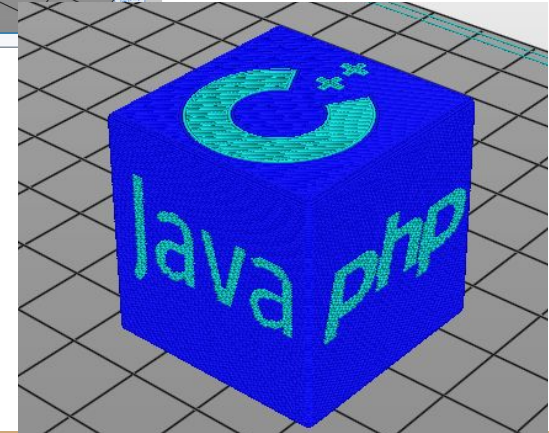
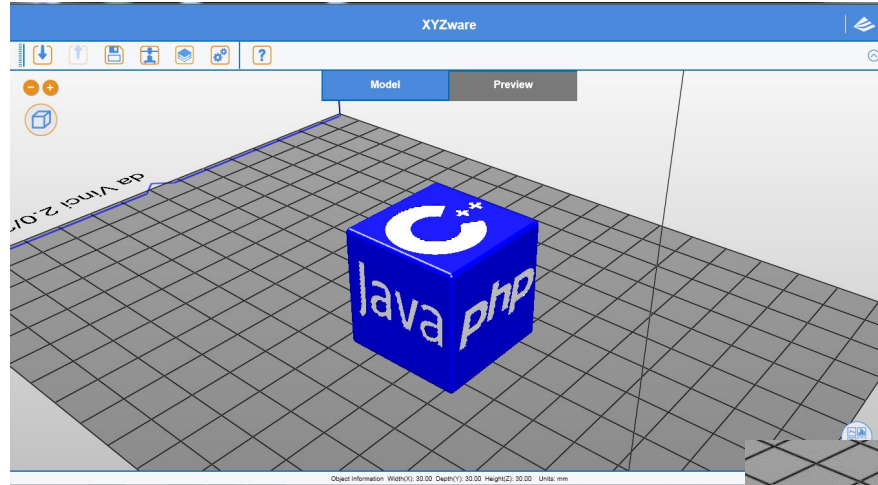
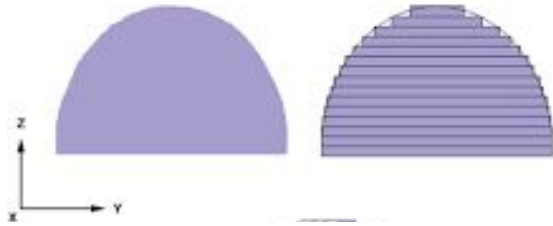
Software we use

Free 3D CAD software
FreeCAD



Software we use

XYZ Ware program for slicing the model

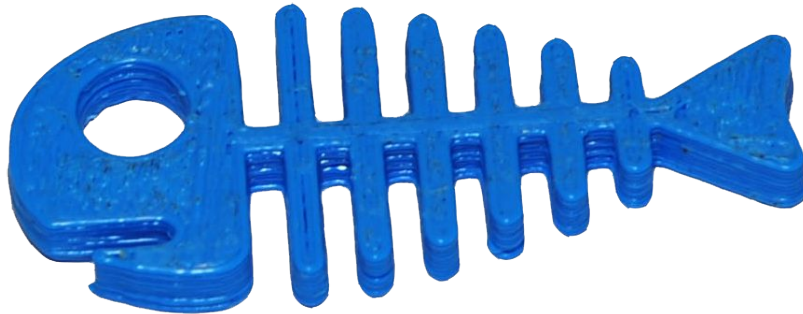
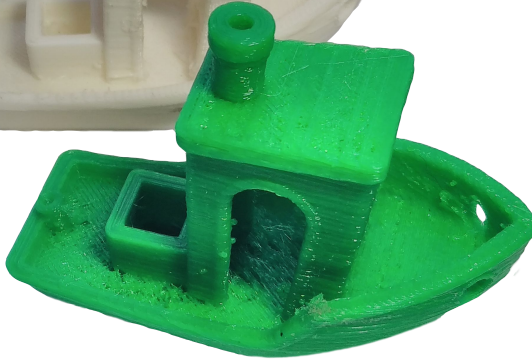
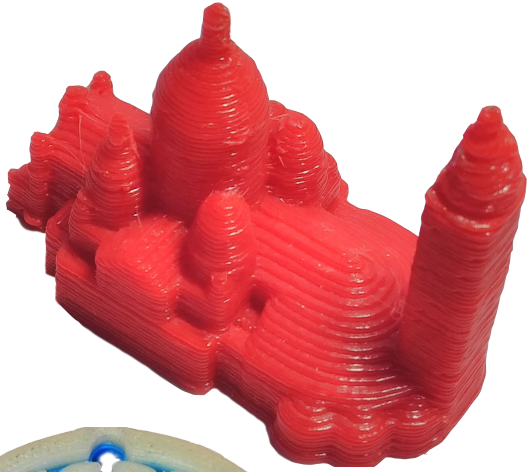




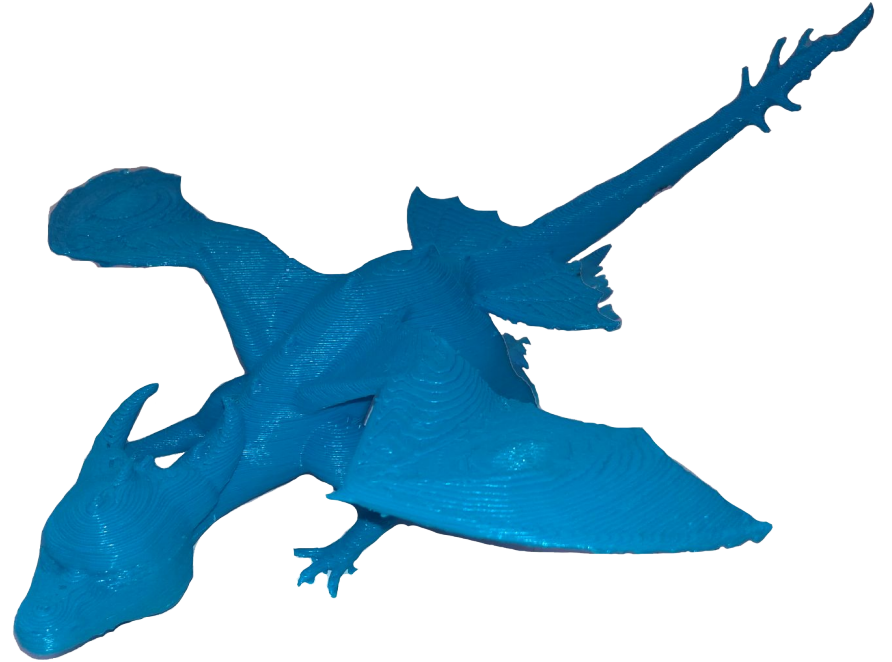
Projects made on 3D printer



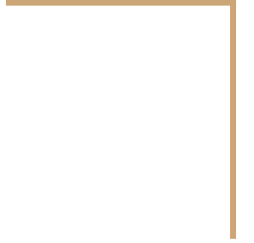
Some of our prints



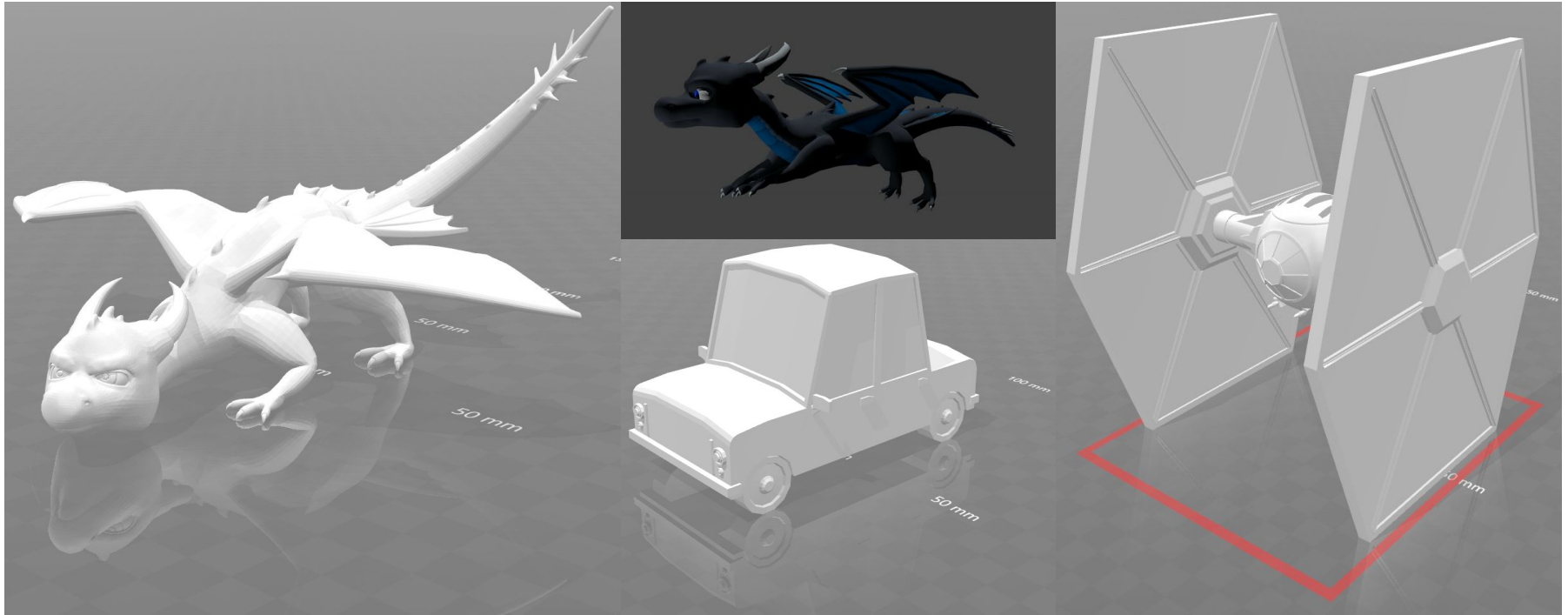
Some of our prints



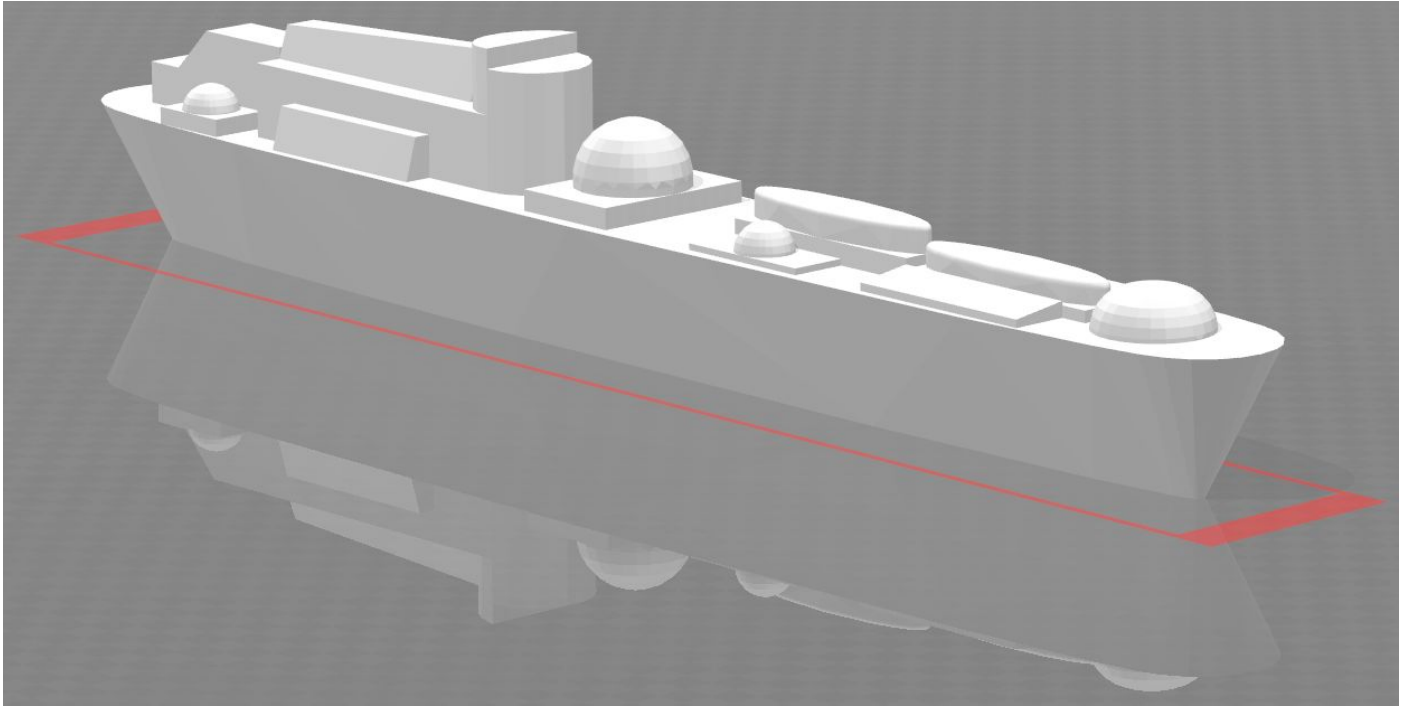
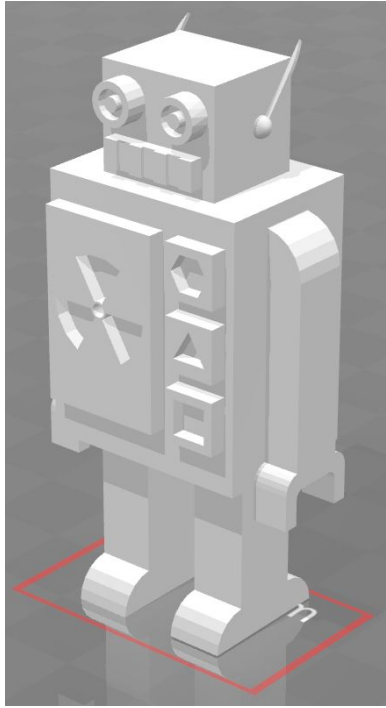
School 3D contest “3D Design”



School contest "3D Design"

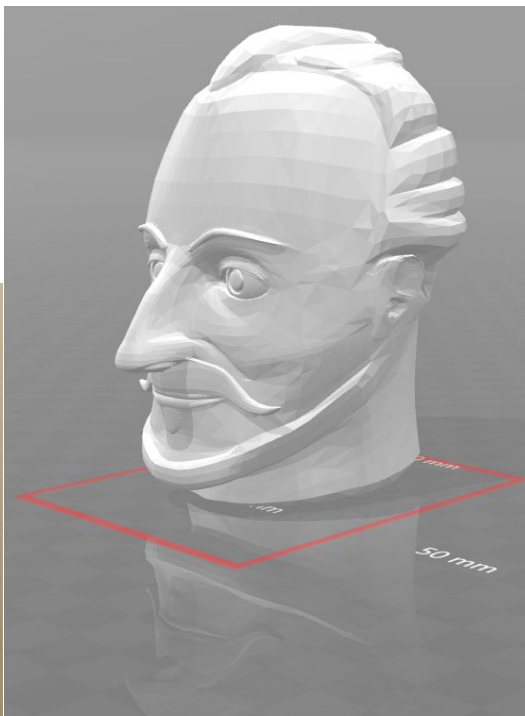


School contest “3D Design”



School contest "3D Design"

The head of Jan Zamoyski



Building Jan Zamoyski with Lego



Building Jan Zamoyski with Lego

← → ↻ 🏠 <https://projektzkasa.pl/component/projektzkasa8/projekty/pokaz/> 130% 🔍 Szukaj


⚙️ Często odwiedzane 🌐 Strona główna - Woje...

Konkurs

Edycja VIII

- Laureaci
- Jury
- Nagrody
- Patroni i Partnerzy
- Regulamin
- Regulamin głosowania
- Zasady konkursu krok po kroku
- PROMOTEKA


« cofnij do listy projektów



Projekt nr 01343

Jan Zamoyski z klocków LEGO

Projekt edukacyjny



POBIERZ BEZPŁATNIE PORADNIK O PROJEKIE EDUKACYJNYM

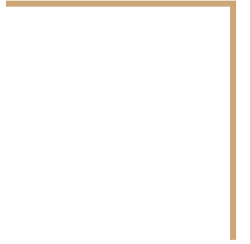
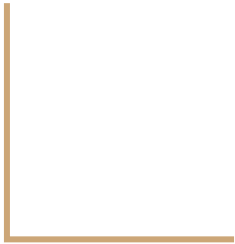
Dane osobowe

Imię i nazwisko lidera:
Hanna Stachera

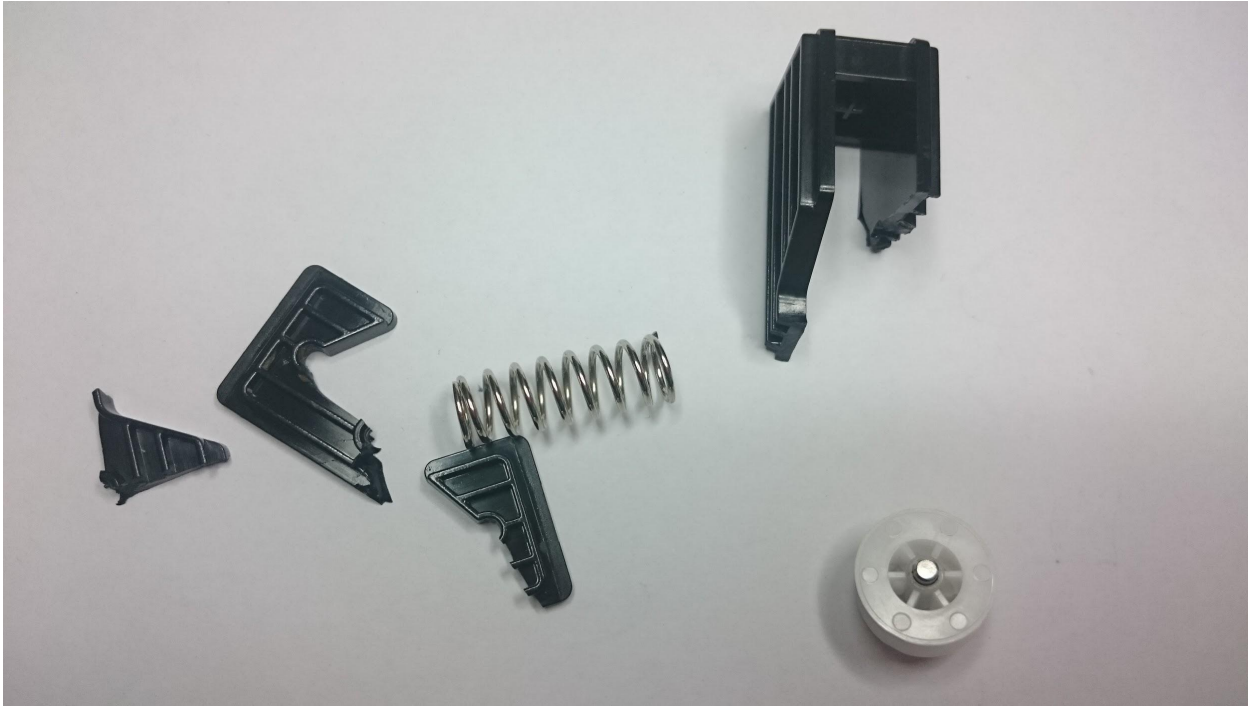
Używamy plików cookies. [Dowiedz się więcej >](#) [Rozumiem](#) ✓

14:19
11.06.2018

Hardware failure and solution



3D Printer mechanical failure



3D Printer mechanical failure

