

# 3D

## 3D PRINT REPORT

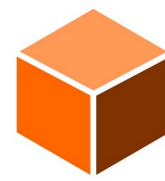
<b>SCHOOL</b>	<b>COUNTRY</b>
Nursery school, primary school and secondary school for the hearing impaired in Valašské Meziříčí	Czech Republic
<b>PROJECT NAME</b>	<b>Mentor</b>
Distillery	Jaroslav Krajča
<b>STUDENT NAMES</b>	<b>DATE</b>
Jakub Vrubl, David Kašpar, Ondřej Stejskal, Patrik Vindiš	23.10.2023

<b>A type of 3D printer</b>	PRUSA I3 MK3S+
<b>Used material</b>	PLA
<b>Filament diameter</b>	1.75
<b>3D CAD program</b>	Tinkercad
<b>SLICER programs for 3D</b>	PrusaSlicer 2.6.1



Co-funded by  
the European Union





## SUBJECT OF MODELING ON THE TOPIC OF TRADITIONAL CRAFT AND CULTURAL HERITAGE

For their model, the students chose a system for the traditional burning of slivovice. Slivovice roasting in Wallachia is a traditional craft with deep roots in the region, passed down from generation to generation.

The burning masters, who are called "burners", have a wealth of knowledge and experience in this skill, which they acquire through long practice and following old traditions.

## DESCRIBE THE WORK PROCESS

The project was structured into multiple phases:

1. **Choosing a craft** - Students thought about the crafts they come across at home or in their surroundings. The aim was to choose a craft that is associated with the region they themselves come from.
2. **Selection of a subject** that defines the craft - Students chose a system for burning Slivovice.
3. **3D modeling** - Modeling took place in the Tinkercad program. The modeling itself took the students the most time.
4. **Slicing** - After importing the STL files and setting the properties for printing, the actual splicing of the specific model was without problems. We paid attention mainly to the printing of the supports, so that they can be conveniently removed.
5. **Print** - Print took about 7 hours. Due to the use of stable material, everything went smoothly.

## DESCRIBE ANY DELAYS AND/OR INCIDENTS

As mentioned above, the students spent the most time creating the 3D model. Slicing and printing went without a hitch. The main challenge was removing the supports after printing so as not to damage the model.

