



# 3D

## 3D PRINT REPORT

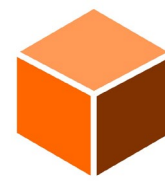
<b>SCHOOL</b>	<b>COUNTRY</b>
VOŠ a SPŠE Olomouc	Czech Republic
<b>PROJECT NAME</b>	<b>MENTOR</b>
National emblem of the Czech Republic	RNDr. Diana Ferdanová
<b>STUDENT NAMES</b>	<b>DATE</b>
J.Greš, D.Hut, J.Dlabaja, R.Švéda, M.Kajík, J.Motyka, J.Balošák, Š.Polena, D.Kročil, J.Strejček	1.12.2023

<b>A type of 3D printer</b>	Prusa MK3S+
<b>Used material</b>	PM PLA+, více barev
<b>Filament diameter</b>	1,75 mm
<b>3D CAD program</b>	Fusion360, Inkscape
<b>SLICER programs for 3D</b>	Prusa Slicer



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

The lesser national emblem of the Czech Republic is formed by a red shield showing a silver, right-looking, two-tailed roaring lion rampant with golden claws, a golden, thrust-out tongue, and a golden heraldic crown.

## DESCRIBE THE WORK PROCESS

Vectorization of the raster image of the state coat of arms was done in Inkscape. In the Fusion360 program, extrusion of individual layers. Printing partial objects in the appropriate colors.

## DESCRIBE ANY DELAYS AND/OR INCIDENTS

Complications with the vectorization of the Moravian-Silesian eagle.

