

3D PRINT REPORT

SCHOOL	COUNTRY
SU "St. Paisiy Hilendarski" - Zlatitsa	Bulgaria
PROJECT NAME	Mentor
The symbol of the city of Zlatitsa - Clock tower	Daniela Samardzhieva Miglena Gaytandzhieva
STUDENT NAMES	DATE
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A type of 3D printer	XYZ da Vinci mini w+
Used material	PLA
Filament diameter	1.75 mm
3D CAD program	XYZmaker 3Dkit
SLICER programs for 3D	XYZprint



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

The clock tower in Zlatitsa - its symbol and heraldic sign in the Zlatitsa coat of arms. The tower was built way back in 1777 specifically for a clock. At the time, it was used as an observation and defense facility, which is evident from the construction method and the openings left in certain places on its walls.

DESCRIBE THE WORK PROCESS

The tower was designed only with 3D shapes. The most difficult part was placing the elements on the roof, because one by one the plates had to be placed.

DESCRIBE ANY DELAYS AND/OR INCIDENTS

When printing, the filament often broke, the printer ran out of material and the process was interrupted.