



3D PRINT REPORT

SCHOOL	COUNTRY
Maths and Science High School “Academician Ivan Gyuzelev”	Bulgaria
PROJECT NAME	Mentor
Touches from Gabrovo - Racho Kovacha and the Egg with a tap	Marinela Deludi-Tsonkova
STUDENT NAMES	DATE
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A type of 3D printer	CREALITY - K1
Used material	PLA
Filament diameter	1.75 mm
3D CAD program	AutoCad, Tinkercad, LiDAE
SLICER programs for 3D	Creality_Print





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

The inhabitants of the Bulgarian town of Gabrovo, the capital of humour and satire, are known for their frugality. They cut off the cats' tails to close the door faster and keep the room warmer, and put a tap on their eggs to "drain just as much as they need - a whole egg is too much for one soup"! Famous not only for their frugality, the Gabrovo citizens have an incredible sense of humour and satire. Inspired by one of the most famous jokes in Gabrovo, we revived the "egg with a tap"!

Racho Kovacha (Racho the blacksmith) is the founder of Gabrovo, marking the beginning of the craft settlement. Originally from Bozhentsi, he laid the foundations of the settlement, initially shoeing the caravaners' horses and repairing their carts. Over the years, Racho started a family and others permanently settled in his footsteps.

The monument of Racho Kovacha, erected in the Yantra River, also because of a Gabrovo joke - to save living space and not spend money on flowers, serves as a model for our little sample of Racho Kovacha. Our work embodies the Gabrovo humour that everyone carries within themselves.





DESCRIBE THE WORK PROCESS

The cultural heritage of the town of Gabrovo is rich and full of diversity. The students compared many features of the Gabrovo citizens' character and chose the most distinctive traits to implement in original projects. The frugality of the citizens of Gabrovo is an extremely impressive trait and is reflected in the stories of the produced models. The citizens of Gabrovo are also well known for their sense of humour. The students designed several projects based on the Gabrovo's citizens features and implemented two of them in 3D projections - the Racho Kovacha and the Egg with a tap.

DESCRIBE ANY DELAYS AND/OR INCIDENTS

We made the models after the school classes in the students' free time. The 3D models took us the most time to create. The printing went without obstacles. The main challenge was removing the support after printing so as not to damage the quality of the model.

