

Regina RAKOWSKA

Grażyna SŁOWIENA

L.O. im. Mikołaja Kopernika w Cieszynie

Pl. Wolności 7b

tel./ fax: 0-33 8521132,

43-400 Cieszyn

e-mail: kopernik@poczta.internetdsl.pl

COMENIUS SCHOOL PROJECT "GEOMETRY AROUND US."

Comenius School Project "Geometry Around Us" has started within school year 2008 and 2009 in cooperation with the high schools of Istanbul (Turkey) and Novara (Italy). The aim of the project is to make an interest of pupils in science, and in particular, in mathematic. We want to show importance of the geometry in practice and its wide applicability.

During the workshops our pupils have been involved in many activities, such as: a puzzle composing, decorating of the T-shirts with use of the geometric elements, building of the sundials, gluing of the solids, also with the use of origami-style solids. In addition, the models of chemical structures have been constructed. Workshop on gluing the solids have been carried out. Many pupils and the math's teachers, also from the other schools, have attended them. Beautiful mathematical embroidery based on geometric design have been created.



Fig. 1 Work of pupils during the workshops

We have been organizing competitions for the most interesting geometric solids in schools. A big database of solids have been created which is used in maths lessons.

Models of Cieszyn's monuments, presentations about the geometrical structures of the minerals and chemical compounds as well as in the nature have been prepared by our pupils.

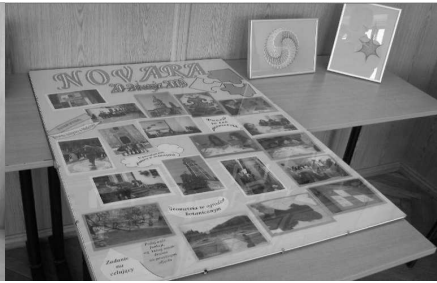


Fig. 2 The model of The Three Brothers Well in Cieszyn

Fig. 3 Memorial poster from the visit in Novara

The lectures based on Cabri program have been organized by us in the project framework. In February this year the users' e-learning course of the Geogebra program was organized for teachers of secondary schools and junior high schools from Cieszyn.

We have prepared leaflets and posters from every our school trip which showed geometric elements placed in the architecture of the partner cities. Students were able to see the correlation between mathematics and art.

Polish language teachers have joined to work on the school project. Mini-drama on mathematic issues in the literature is being created.

The students and teachers met the opportunity for mutual understanding, both: culture and history, and train ability to work in groups and to use English.