

“SPRING SCHOOL OF PHYSICS” IN VIROVITICA ON 10th AND 11th MAY 2012

PROJECT: Natural sciences know no borders / Popularization of Natural Science financed by the EU (IPA Crossborder Cooperation HU-HR)

Partners: University of Kaposvar, Gymnasium Petar Preradović Virovitica and Bjelovar-Bilogora County (Secondary School Bartol Kašić Grubišno Polje)

Timetable

10th May 2012.

- 12:00 - Departure from Grubišno Polje
- 12: 30 - Arrival to Virovitica
- 1:00 pm – 2 :00 pm - Lunch
- 2:00 pm to 4:00 pm - Competition in Physics
- 4:05 pm to 4:20 pm - Opening of the exhibition
- 4:00 to 21:00 - Teachers: Overview of the solutions and determining the performance of solved tasks
- 4: 30 pm - 7:00 pm - Students: Museum
- 7:30 pm – Return back to Grubišno Polje

Physics competition involved 10 students from Secondary School Bartol Kašić Grubisno Polje with the project team of teachers.

STUDENTS WHO HAVE PARTICIPATED IN PROGRAM'S FIRST DAY:

1. Mario Bažant, 2.c
2. Brigita Herout, 2.c
3. Marija Šulog, 2.c
4. Vlatka Pintera, 2.c
5. Ema Kirinčić, 2.c
6. Ivana Božoki, 3.c
7. Valentina Bahnik, 3.c
8. Mihaela Zima, 3.c
9. Dominik Soldan, 3.c
10. Ivana Častek, 3,c

11th May 2012.

- • 9:00 am to 10:40 am - Workshops - GeoGebra

- 10:40 am to 11:00 am – Breakfast break
- 11:00 am to 2:30 pm - Theater Virovitica
 - Welcoming speech of the host and guests
 - Plenary presentation of Karlo Korlević
 - Demonstration of unusual experiments in Physics: Aviani - Mesić
 - Announcement of the winners and closing the meeting
- 2:30 pm to 3:30 pm - Lunch
- 3:30 - Going home

STUDENTS WHO HAVE PARTICIPATED IN PROGRAM'S SECOND DAY :

1. Mario Bažant, 2.c
2. Margareta Heštera, 2.c
3. Marija Šulog, 2.c
4. Vlatka Pintera, 2.c
5. Ema Kirinčić, 2.c
6. Ivana Božoki, 3.c
7. Valentina Bahnik, 3.c
8. Mihaela Zima, 3.c
9. Dominik Soldan, 3.c
10. Ivana Častek, 3.c

SCHOOL PROJECT TEAM THAT PARTICIPATED IN THE PROJECT IMPLEMENTATION:

- Jozo Matošević, headmaster
- Ana Saratlija, coordinator and translator;
- Djurdjica Sakal, Physics and chemistry teacher

Students and the project team evaluated travel and two-day program in Virovitica as very successful.

IMPRESSIONS OF STUDENTS:

SPRING SCHOOL OF PHYSICS

Secondary school Bartol Kašić Grubišno Polje participated in this year's CBC projects, *Spring School of Physics*, which took place on 10th and 11th May 2012. in Gymnasium Petar Preradović in Virovitica. The project involved the students from Virovitica, Secondary school pupils and students from Kaposvar and students from Secondary school Bartol Kašić Grubišno Polje. Five second-grade students and five third-grade students represented our school in this project.

First day of this project was reserved for the competition which was held from 2 pm to 4 pm. Then we visited an exhibition of Croatian astronomer Karlo Korlević where we could see rare pieces - meteorite and a few interesting pictures of the universe.

The second day was reserved for the workshops of mathematics and physics. Our school students attended the workshop where they learned to use GeoGebra, mathematical program that helps development of mathematical structures and models. The workshop lasted 90 minutes.

Once the workshops have finished, all participants went to Theater Virovitica where they were welcomed by previously mentioned astronomer Karlo Korlević *Plenary session*. Students were able to learn more about meteorites and space in general.

That presentation was followed by the most interesting part of this project - a demonstration of unusual experiments in physics, such as globe that floats in the air, hands in molten lead, various experiments with small spherical beads and liquid nitrogen, etc. Experiments were performed by Ivica Aviani from the Institute of Physics, University of Zagreb and Hrvoje Mesić, a physicist from Faculty of Science in Zagreb - Physics Department. After those interesting demonstration, we attended the proclamation of the best students at the competition which was held the day before. First place was taken by students from Virovitica, second place were won by students from Kaposvar and third place went to students of our school. We are very glad that we had the opportunity to participate in this project, meet new people and ultimately learn something new.

Ivana Častek, 3.C