

Days of Physics 2007, Ljubljana, Slovenia:

March 14 - 17, 2007

Year 2005 was the World Year of PHYSICS, declared by the United Nations. Physics is more than a part of the physical sciences; it is the basic science. Many activities were organized to promote this fundamental science. One of them, Days of Physics 2005, took place at St. Stanislav Diocesan Classical Gymnasium in Ljubljana, Slovenia.

We are inviting your students and teachers to participate Days of Physics 2007.

Goals:

- to promote physics
- to bring talented students together
- to initiate international team work
- to carry out advanced physics experiments
- to present science projects done by students
- to practice English language as *lingua franca* of sciences
- to exchange views on current methods and perspectives of the teaching of physics

Target group:

Physics-talented students and physics teachers from High-Schools. Students should be at least 17 years old. They can be younger if they will enroll in university already in 2008 or if they show an exceptional talent for physics.

Number of participants:

Five physics teachers and 16 students from Slovenia and maximum 16 students and six teachers from European schools. (Not more than 5 students from one school)

Accommodation:

Slovenian students will accommodate guest students, appropriate accommodation will be arranged for teachers. There are also some places in boarding school.

Contact and application:

tine.golez@guest.arnes.si, the message should be entitled by subject: PHYSICS 2007

Deadline:

12th of February 2007 (Hint: as soon as possible, number of participants is limited!).

Official language of the meeting: English (Errors allowed; nobody expects that participants speak perfect English...)

Fee: No fees required

Invited schools:

Škofijska klasična gimnazija, Ljubljana, Slovenia, Gimnazija Bežigrad, Ljubljana, Slovenia, Matematička gimnazija, Beograd, Serbia, Fazekas Mihaly Gimnazium, Budapest, Hungary, One school Prague, one from Krakow, one from Amsterdam, one from Turkey, one from Augsburg and one from Croatia.

We would like you to assess all students according to their skills in physics. It is preferable that we group students in pairs (one from Slovenia one from other countries) according to their estimated aptitude for physics. We suggest the following three levels:

Level 1.

These are the youngest students. Our youngest students, for example, have already studied well mechanics, heat and electricity while they know about other topics only from elementary school (oscillations, waves). However, as they are talented, they could grasp some new topics, too.

Level 2.

Their physics course has already covered all topics.

Level 3.

These are the most talented students from the group of the oldest ones, with flexible overview all topics in physics.

NOTE: There is no need to explain these levels to your students, just mark the level next to the student's name. As mentioned, it will help us to match equal level students in pairs.

Preliminary program:

Wednesday, March 14 Guests are expected to arrive in the afternoon or evening. Their host families will be informed where to meet them. (Airport, Railway station, our school...) Teachers will be taken to their place of accommodation.

Thursday, March 15 Students come to school with host students at 8.00. There will be a short presentation of the host school. After a lecture about acoustical phenomena (with experiments), students will form teams and begin the experiments. After three experiments there will be discussion in small groups which consecutively carried out the same three experiments. There will be one teacher supervising the three experiments and assisting the students during the work and discussion activities.
Lunch.

From 3 p. m. to 6 p. m. – students will be carrying out next three experiments. A few experiments will require showing appropriate application of knowledge, proposing a hypothesis and solution, while others will be easily conducted by following detailed instructions. However, their complexity is above the ordinary high school level.

Friday, March 16 Presentations of students' research works (if some students have already done some research, please, let us note!). Three experiments... Visiting the old part of Ljubljana, the capital of Slovenia. A surprise and lunch. From 3 p. m. to 6 p. m. – students will be carrying out physics experiments.
Invited speaker from University of Ljubljana.

Saturday, March 17 An excursion. Departure.

Sunday, March 18 Some participants will stay a day more (visiting some beautiful places in Slovenia and/or for the reason of cheaper flight)

Organizing committee:

Mr. Tine Golež, M. Sc., physics teacher, president

Mr. Iztok Kukman, M. Sc., physics teacher

Mr. Mitja Matija Štih, coordinator of extracurricular activities

The project PHYSICS 2007 is financially supported by Government of the Republic of Slovenia (Ministry of Higher Education, Science and Technology).

Mr. Tine Golež, physics teacher

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PLEASE, FILL THIS APPLICATION FORM**TEACHERS**

Name	Family name	gender	date of birth

STUDENTS

Name	Family name	gender	level	date of birth

SCHOOL:

ADDRESS:

REMARKS:

Send this Word document with filled application form as the reply to the following address tine.golez@guest.arnes.si.

p.s. The report about Days of Physics 2005 is published on page 5 of the enclosed PDF file.