

Subject of the project:

Education of the XXI century -
innovative methods of teaching
mathematics and science in the
face of new challenges of
technology and the changing
needs of the labor market

Goal of the project:

The overall objective of the project is to develop and implement school practice innovative teaching methods thanks to which learning mathematics, physics, biology, chemistry and geography will not only be difficult duty, but it will be fun and exciting adventure. To further strengthen the motivation to learn science will process implementation efforts of students to consciously choose a profession

The project schedule

- All project activities are indicated in the Schedule, which is an integral part of the application form
- The schedule covers 24 months (M1-M24)
M1-September 2015 ... M24- August 2017
- The schedule includes 3 types of activities
- **red colour** – Project meeting (working) teachers
- green colour** – students trips
- yellow colour** – Project management = all other activities + monitoring

The main project activities

- ◉ 1. Project meetings (working) teachers
- ◉ 2. Pupils mobility
- ◉ 3. The tasks that each school will implement at home, in the time between trips
- ◉ 4. Activities related to the monitoring of the project - reports

Ad. 1 Meetings Project (working) teachers

- ◉ Project pp. 22-23
- ◉ The meetings are marked with symbols M1-M5 in the Schedule – **red colour**

M1 - Poland, September (October) 2015

M2 - Italy, in February 2016

M3 - France, in September 2016

M4 - Turkey, February 2017

M5 - Cyprus, June, 2017

Ad. 2 Pupppils trips

- ◉ Project pp. 35-41
- ◉ Meetings are indicated by symbols C1-C5 in the Schedule– **colour green**
- ◉ C1 - Turkey, November (December) In 2015
- ◉ C2 - Cyprus, in March 2016
- ◉ C3 - Poland, in June 2016
- ◉ C4 - Italy, in November 2016
- ◉ C5 - France, April 2017

Ad. 3 Tasks that each school implements at home, in the time between trips of students

- ◉ Project duration: 2 years = 4 semesters
- ◉ 1 year 2015/2016:
 - I semester: September 2015 - January 2016
 - II semester: February 2016 - June 2016
- ◉ 2 years 2016/2017:
 - III semester: September 2016 - January 2017
 - IV semester: February 2017 - June 2017
- ◉ Tasks to be performed are divided into 4 semesters

Ad. 3 Tasks that each school implements at home, in the time between trips of students

- ◉ Tasks to be performed are described in the draft pp. 33-34
- ◉ Tasks are marked with symbols A4-A14 in the Schedule are marked in yellow
- ◉ Each of these tasks will be carried out by 4 semesters

Ad. 3 Tasks that each school implements at home,
in the time between trips of students

Task 1

A4 - Practical interdisciplinary classes for students

Time schedule - 90 min

The specificity of schedule - experience,
experimentation, design and
construction of prototypes, using
knowledge from different science

The number of classes - 3 classes each
semester = 12 classes throughout the
project

The end product - brochure

"interdisciplinary curriculum science" - will
develop a Polish school

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 1

A4 - Practical interdisciplinary classes for students

cont.

- Lesson plans for each semester will develop another school:
 - I semester - the school Poland
 - Second semester - Italian school
 - III semester - Turkish school
 - IV semester - the school Cyprus
- The scenarios should be developed in English and send it to other schools in the first month of each semester

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 2.

A5 – „Scientists-travellers”

- Practical work in the field of science implemented under the planned lesson
Each school will develop their own lesson plans according to their own ideas and opportunities
Number of classes: one classes each semester = 4 classes throughout the project
The final product - brochure "Scientists travellers", will be developed by Italian school

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 3.

A6 – „Scientists-professionals“

- Practical classes at the public institutions (eg The Bank, tax office, etc) Implemented within the scheduled lesson
Each school will develop their own lesson plans according to their own ideas and opportunities
Number of classes: one classes each semester = 4 classes throughout the project
The final product-brochure "scientists-professionals", will be developed by French school

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 4.

A7 – „Scientists-filmmakers“

- ◉ The students of each school will make instructional exercise videos like "Do It Yourself" demonstrating practical use of knowledge in everyday life
Number of films - 1film per semester = 4 videos throughout the project
The final product-disc DVD, will be developed by Turkish school

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 5.

A8 – Implementing "European set of tasks"

- A set of will include tasks in mathematics, physics, chemistry, geography, and biology-related skills and information needed in carrying out of specific occupations

Each school will prepare the 3 tasks in each subject (task + solution)

The final product-brochure "I solve and work - European set of tasks", will be developed by school Cyprus

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 6.

A9 – School competition "The importance of mathematics, physics, biology, chemistry, geography and science in carrying out the profession"

- Each school will carry out competition
Form of work - a multimedia presentation
The winning works will be presented at a meeting of students in Turkey

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 7.

A10 – Competition with a range of city "Invention of the future"

- ◉ In each partner school, students from local schools with parallel stage of education will take part in a competition
The winning students will present the work at a meeting in Poland

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 8.

A11 – International Competition

"Personality in the world of science"

- Form of work - a multimedia presentation
- I school stage - winning work will take part in the second stage
- II Stage International during a meeting in Italy

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 9.

A12 – International Competition " Knowledge of science "

- ◉ The competition will be prepared by French school
The contest will be carried out during the last meeting of students in France

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 10.

A13 – „Didactic game“

- The students of each school will carry out one educational game (eg "Dominoes, cards, etc)
The students will present the game during the last meeting in France

Ad. 3 Tasks that each school implements at home, in the time between trips of students

Task 11.

A14 – Professional activities for students

- Each school will implement professional activities by their own concept and possibilities (eg Workshops for students to determine their own interests and professional predispositions, consultation with local employers, visits to workplaces, "Forum professions", participation in the Exhibition of Occupations, a meeting with a representative of the profession, etc. ..)
In each semester should organize at least one professional task
Each action should be documented and presented at a meeting of students

Ad. 3 Tasks that each school implements at home, in the time between trips of students

ATTENTION!!!

- Each action should be documented using for example-a scenario of classes-note presentations multimedia-video-contest rules and its summary
- All school activities will be presented and discussed at the working meetings and exchanges of students
- Documentation of performance shall be the material for the development of the final products.
- All final products are described the Project p. 24

Ad. 4 Activities related to the monitoring of the project - reports,

- Monitoring is a very important part of the project and must be implemented accurately and systematically
Monitoring results are subject the control of the National Agency in individual countries
For activities related to the monitoring responsibility of the Higher Education Coordinators
School coordinators send the monitoring results of the Project Co-ordinator - Polish school, which made collective statements
- Detailed monitoring process is described in a separate presentation 😊)