

Summary



The popularity of Physics subject has been reduced. At the same time the development of technology is speeded up, so there is a strong need for

having experts on Physics. It is necessary to raise the efficiency of teaching Physics by informing teachers, by introducing new teaching methods and scientific results to resolve this contradiction. So the key issue is to develop the abilities and skills that facilitate our students to succeed in the future in a knowledge-based society.

Some national and European surveys evidenced that students are not motivated enough in studying Physics and Chemistry. In the beginning of scientific experiences little children have instinctive curiosity and desire for knowledge. During their school studies this curiosity is somehow repressed.

The main objective of our project: to get our students love **Physics and Chemistry** by keeping and strengthening their instinctive curiosity and natural desire for knowledge. To achieve this objective we provide various programmes. We want our students to have fun in exploring the regularities. This modern form of work gives opportunity for **informal studying** and for **cooperation** with parents.

The project partners

Hungary (coordinator)

ÜLLÉS: Fontos Sándor Primary School

coordinator: Tasi Zoltánné

Romania

ARAD: Scoala Gimnaziala "Aurel Vlaicu"

coordinator: Pattus Illés

Poland

GORZOW WIELKOPOLSKI:

Gimnazjum nr 16

coordinator: Hanna Florek

Slovakia

BRATISLAVA: Základná škola s materskou školou, Cadrova 23

coordinator: Jana Gazovova

Turkey

IZMİR/ KARSIYAKA: Turkbirligi İlkokulu

coordinator: Tülay Can

Italy

CASTELDACCIA: Istituto Comprensivo Statale

coordinator: Rosa Maria Peluso

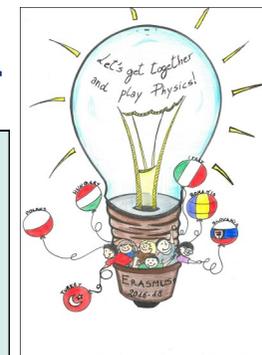
"Let's get together and play

Physics"

Erasmus+ KA2 Strategic partnership,
exchange of good practices



Erasmus+



MOTTO:

*"Keep
calm ...,play
Physics!"*

Sub-objectives:

Nowadays it is essential to **speak** at least one **foreign language**. Our partnership aims and supports this goal, too.

During the cooperation we use ICT developing our students' **digital competencies**.

We plan to get information about the **education systems** of the partner countries. We focus on partners' **teaching and learning methods of Science**. With this **exchange of experiences** we want to **increase efficiency** in teaching and learning Science

„**PHYSICS ON STAGE**” programme: During the meetings we will introduce **new ideas, experiments**. Participating students and teachers can **share** the received **knowledge** in their own schools.

The project is supported by the
European Commission.

cooperation



The cooperation and the meetings broaden participating partners'

knowledge and awareness by getting information about **cultural and linguistic diversity**.

Our partnership **develops all the key competencies**.

With this project we develop the **way of thinking**, strengthen the emotional and motivational factors towards studying and raise awareness of personal values.

In this project the **acquisition of knowledge, the development of skills and abilities, the development of intellectual, emotional and motivational factors** are realized simultaneously. During this project the participants experience a wide range of different methods appropriate to their age.

This project aims to **evolve positive attitude** of students and even of parents towards Science.

cooperation



Teachers should prepare their students for a future where they need **adequate scientific knowledge** to

understand technology.

Our goal is to **develop scientific literacy** to understand and deal with environmental, hygienic, economical and other problems.

In the activities during the project we put a great emphasis on **observation, experimentation**. With the help of their teachers students can build their **own knowledge** by themselves.

Teacher are the key figures in reformation of scientific education. The share and the use of experiences from partners redound the **implementation of effective teaching and learning methods**.

We also focus on **environmental education**. We want to form our students' attitude towards the environment and we want to educate young people who feel responsible for saving their environment.



"Let's imitate the nature. Without applying instruments and special devices

we create and understand phenomena and laws by using domestic materials and appliances."

/Öveges József/

We also need to have international experiences on scientific education to work out effective strategies. European Committee has targetted to support initiations which facilitate young people's interest in Science.

We believe that our jointly developed thematics for study groups and our well-planned programmes can largely contribute to the renewal of scientific education. Following the project it is required of all the partners **to share the experiences** in their own regions. **Planned project products:** project team, project logo, website, questionnaires, brochures, eMagazines, collection of videos, eBook: collection of experiments, presentations about research centres, international meetings, educational trainings for students and teachers. One of the priorities is to elaborate, implement and sustain a vocational syllabus, to which a description of mutually compiled experiments (eBook) with photos, as well as short videos of the succesful experiments would be attached.