

## Why carry out an international project with topic education in science

At the beginning it was just an idea. The idea of a few teachers at the Secondary Vocational School in Handlova – the enthusiasts for physics, mathematics, chemistry and ecology – the subjects, which are considered to be too difficult to understand, for majority of secondary school students, subjects that are due to this reason recognised as less popular.

The intention was to address a large number of people from different countries and make them think about our planet and its future. Since we live in the era of electric current and we depend on it almost 100%, we aimed the project at participants in a way to set their attitude, activity, and a state of mind to make them save energy in general and particularly not waste electric energy.

Our team of teachers has never worked on an international project before. We had no experience at all. We were a little bit scared if we could handle the role of an coordinating school. However, the most important thing was, that we understood that the main idea and its goals would have sense. We knew that we might enrich the educational process, raise students' motivation, make our school more visible and observe our partners' new methods of teaching and learning.

The energy is a basic prerequisite for life. Humans acquire energy from food. To satisfy the human requirements we need other energies, such as electricity and heating. The ongoing process of gaining energy seems to be huge burden for the global ecosystem. The resources are almost depleted and the world population and its needs are increasing. Therefore it is inevitable for human to change the attitude and focus on the renewable resources. The education has ability to increase awareness and provide the useful information for human beings who must make the reasonable decisions. Within the educational process is necessary to motivate students to the resources, environment, climatic changes and energies. In addition students must be encouraged to make suggestions and solve society energy problems strategically. The main interest is to raise student's awareness about the importance of energy in modern life, about the various possibilities of production and usage, and about the possible consequences these processes. The project activities help to simplify validation of the informal learning and at the same time the informal learning becomes a part of the educational process.

Today, as we are writing these lines and the final phase of the project is coming to the end, we may say that our project made sense and brought positive thinking to all participants not only in the field of education, but in social relationships, environmental awareness, responsibility of each individual for solving global planet issues in the future as well.

