SMART MOBILITY 2.0

Project Description

The Smart Mobility 2.0 project involves a total of 5 high schools from Germany, Spain, Romaniaa, Italy and Latvia.

It is based on an up-to-date topic and deals with the relevant question of how mobility will change in the coming years and what answers students have to these changes. For sure the mobility of today's young people will continue to move towards alternative drives, autonomous driving and smart city concepts.

The diversity in the project team will help to cover different aspects like space (Lleida) , sea (Pozzallo), small and big cities as well as rural areas (Bukarest), digital tools (Riga) and places and times of slow mobility (Heidenheim).

The topic is to be discussed both in the European context of active civic participation and in the scientific context. Therefore the project will start with a meeting in Brussels where participants will get an insight in the EU strategy for mobility as a part of EU strategy 2020/2030. Thus they´ll become aware of the impact on decision making on national, regional and local level. The science-related part in this project is reflected against the background of the 50th anniversary of the first moon landing. So the first common learning mobility hosted by the partner school in Lleida will bring input from space science and inform about the role of ESA and its educational facilities. In this way, students will also recognize the technical advances that can be expected from space travel.

The pattern of the “European House”, which was created as a model in a previous project by some of the partners, will be used in this project in order to better compile the results and to reflect the European dimension of the topic “Smart Mobility 2.0” and in our approach.

The objectives of our project are raising awareness of the future challenge of mobility in times of climate change. We want to develop new methods of implementing smart mobility in the school curriculum. Students´active citizenship will be developed by making new initiatives based on the concrete needs that students have identified during their joint European project work. The main activities of the project are:

Research in order to raising awareness of the challenge of future mobility and find out which facilities are already offered and which companies in the region are already dealing with this topic. The programme of each meeting will include such a study visit in the surrounding of the school. The concrete implementation of environmentally friendly mobility concepts in the partner schools is planned. At least one action day on smart mobility will take place in each partner school. All travelling connected with the meetings will have to meet the criteria of low carbon food print.

Topics like deceleration and slowness will be covered by exercising. We will practice slow movement in all partner schools and during all meetings in order to focus health aspects. These experiences lead to more environmentally friendly forms of transport such as running, cycling, e-mobility. Last but not least the students will develop active citizenship by getting in contact with the municipal authorities at local level to discuss their ideas and find concrete ways of implementing them in a local smart city concept .

The methodology covers different methods, academic ones like research, discussion and documentation and practical ones like physical training, walking, yoga and peer learning during the meetings when the hosting students will teach the European group. Students` entrepreneurship will be activated by asking them to make new initiatives on local level concerning with smart mobility. The concrete outcomes of the project will be the digital European House which is filled with a quality selection of the lessons, guidelines and good practice examples concerning implementation of smart mobility in schools; the most attractive among them is a smart mobility robot constructed by students. Visual evidence of students' active citizenship at local /regional /European level.

The impact envisaged is an increased awareness of the need of smart mobility in the whole school community and in the local community. Better mobility concepts and facilities in each partner school and in the local communities will be put into practice.

As the dissemination is planned for all levels and different target groups e.g. teacher training institutions, European and international school networks like the net of EP partner schools, PASCH, UNESCO the digital European House will be a long term tool for teachers in all partner schools and in other schools. Other organisations like cycling clubs or associations committed to e-mobility or solar mobility will benefit by our project because they will find new members and enrich their activities by our proposals.