Erasmus+ KA2 project of school partnership

„Together in Environmental Solutions Learning Activities“ (TESLA)

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The Agency for Mobility and EU Programs approved the 2019 Technical School in Požega Erasmus + KA2 School Partnership Project: "Together in Environmental Solutions Learning Activities" (Tesla)

Projects enable the cooperation of school with three EU countries through mobility of students and teachers and online activities through eTwinning projects.

Duration of the project: October 2019 – September 2022
Project TESLA

- The project encourages the awareness of the students on sustainable development by using renewable energy sources and conscientious energy use.
- Provides an overview of energy resources, their use and limitations.
- Part of the project is devoted to the scientist Nikola Tesla, his life, work and inventions.
- Through the project, the content of physics, energy, electrical engineering and ecology is linked.
- The cooperation of secondary schools and institutions relevant to energy and ecology and exchange of good practice at European level is empowered.
Project TESLA

- In the project participate schools from four countries:
  - Tehnička škola, Hrvatska, Požega (koordinator)
  - Bundeshandelsakademie und Bundeshandelsschule Linz, Austrija, Linz
  - Kanepi Gümnaasium, Estonija, Kanepi
  - Liceul Teoretic Coriolan Brediceanu, Rumunjska, Lugoj

- The total budget of the project is 97.771 euros, of which 28.840 euros is granted to Technical School.
TESLA in Croatia

- In mobility in the Republic of Croatia, the Technical school was host.
- Activities were held from 10 to 16 November 2019.
TESLA in Croatia

- The activities were held in:
  - Technical School in Požega,
  - Memorial Center "Nikola Tesla" in Smiljan,
  - Aquatika - a freshwater aquarium in Karlovac,
  - Mini HE Pleternica,
  - ELPOS - Sunny power plant,
  - Sveta Nedelja - visit company Rimac Automobili,
  - Zagreb and Požega.
TESLA in Croatia

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TESLA in Croatia

- Lecture and workshop from energetics about lighting solar pillars and solar panels
- Workshop "Life and Inventions of Nikola Tesla"
- Team Building activity Escape Room - Let's Meet Croatia
TESLA in Croatia
Project TESLA

- During March 2020, the school was organized, equipped and set up Erasmus + corner as a permanent setting in the school with student work.

- Erasmus + corner in each school is a permanent place where information and show exhibitions on school teams, activities, products, meetings managed by school teams.
Project TESLA

- In December 2019 and 2020 students have edited Erasmus + corner for the upcoming holidays, where they investigated the marking of Christmas and New Year holidays in partner countries.
Project TESLA

- The Earth's Day in 2021 in the Technical School was marked by an international online meeting of all partners in the Erasmus + TESLA project.
- Overall, about 50 participants (students and teachers) of partner schools from Austria, Estonia, Romania and Croatia. The meeting lasted three school hours.
- The emphasis was on presenting the teams of school energy expeditions in which students followed and measured the lighting at school and the environment, energy and water consumption, made a temperature profile and analyzed waste disposal.
Our photovoltaic system on the roof

Remind yourself every day that
Environment you live in depends on you.
Saving our planet
Occurs today,
Use old things and make them new.
Respect the Earth and the Earth will respect you.
Cycle, walk or run
End the pollution now.
Save energy to save the planet.
Project TESLA

- Members of the Technical School of Technical School in Požega Erasmus + Ka2 Project "Together in Environmental Solutions Learning Activities" (Tesla), July 10, 2021 by meeting the monument of Nikola Tesla in Požega marked 165 years of birth.

- At the initiative of associations Nikola Tesla - Genius for the future, July 10 was proclaimed a National day of Nikola Tesla - the Day of science, technology and innovation.
Project TESLA

- The local community has helped the household mobility, especially the city and counties in meeting with guests (students and teachers from a partner school).
- Other schools and counties follow the work of technical schools in projects as an example of good practice.
During May 2020, students and teachers of several partner schools, and technical schools participated in Selfie's survey. This is a free internet tool for self-evaluation in schools developed by the European Commission. In it, the questionnaire is anonymously and voluntarily collected the opinions of school managers, teachers and students, and the results are combined in an interactive report from which advantages and disadvantages are visible.
TESLA in Romania

- The host was a gymnasium "Coriolan Brediceanu" from Lugoj

- Activities were held from 17 to 23 October 2021
TESLA in Romania

Activities were held in:
- Gymnasium "Coriolan Brediceanu" from Lugoj
- City house in Lugoj
- Experimentariumtm in Timisoar,
- Polytechnic University of Timisoar
- Photovoltaic park in Darova
- Hydroelectric power plants on the Danube (Iron Gates)
TESLA in Romania

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TESLA in Romania
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- Presentations of students on the use of renewable energy sources in each country
- Measurements carried out on the previous day in Experimentarium students used to complete the calculation and drawing of the corresponding curves of measured size
- Using laboratory sets of departments for physics, high school students, divided into transnational teams, various devices for the implementation of renewable energy sources have been built
TESLA in Romania

[Images of people and buildings related to TESLA in Romania]
TESLA in Romania
TESLA in Austria

- The host was BHAK/BHAS International Business School Linz
- Activities were held from 27 February to 5 March 2022.
TESLA in Austria

- Activities were held in:
  - BHAK/BHAS International Business School Linz
  - Hotel Kolping, Linz
  - company Voestalpine
  - Pöstlingberg
  - Grottenbahnu - the world of elves
  - Tabakfabrik
  - Enns - the oldest city in Austria
  - Ars Electronica Center.
TESLA in Austria

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TESLA in Austria

- The students presented their work related to the theme „People Fixing The World”
- Workshops on cotton and water consumption
- Creating articles for the project newsletter
TESLA in Austria
TESLA in Austria
Dissemination

- Dissemination of project, activities is implemented through the web page of project, the website of the Technical School and the school of partners, the media posts, through the social network Facebook.

- https://teslaerasmus.eu/

- http://tehnickaskola.net/

- We carry out dissemination at all possible levels (local/regional/national as well as European).

- Erasmus Days at the Technical School in Požega
- Newsletter 1, 2
Dissemination

https://twinspace.etwinning.net/97317/home
https://live.etwinning.net/projects/project/203917
Conclusion

- Working on an international project is a challenge for self-realization of personal competencies of students and teachers.
- The motivation is at a high level and a new dimension of connectivity among participants, students and teachers' teams was created.
- Through well-elaborated activities professors and their students met new colleagues and gained new knowledge and friendship.
- Communication with partners is regularly maintained. It is arranged around the activity, distribution of tasks, materials and terms.
- Collaboration has started preparing project applications with exchanges of ideas and proposals.
The project activities encourage students to develop and improve every aspect of their communication skills in personal and professional life.

Students must possess the ability of undisturbed cooperation in the physical and virtual space, with real and virtual partners globally.

Connection and cooperation with others are not only important for their learning but also for mental and emotional health.

Mobility activities not only encourage the development of speech and listening skills, but students learn how together, in the team effectively achieve goals.
Thank you for your attention!

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