STEM Education for Sustainable Development

SCIENCE ON STAGE TURKU 2024

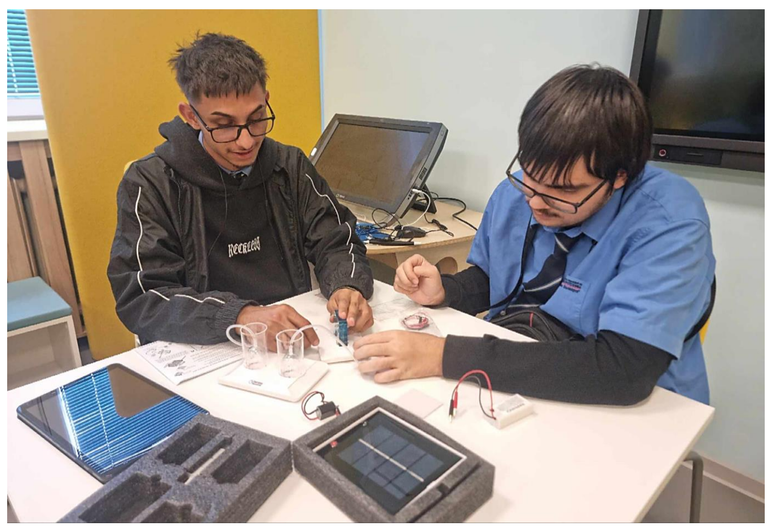
Mechanoelectrical secondary school „Gen. Ivan Bachvarov“ | Sevlievo | Bulgaria

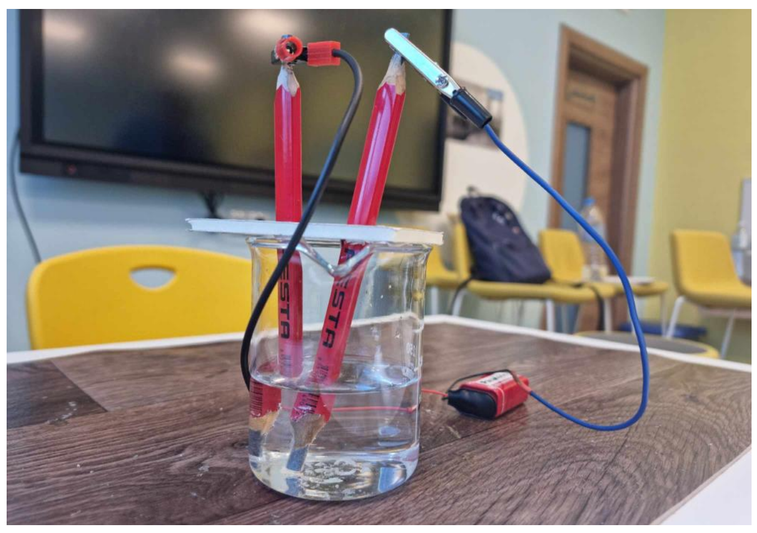
Green Energy from Water

An opportunity to learn by doing and experiencing

The aim of the project is to demonstrate the use of the electrolysis process as an option to produce hydrogen and convert chemical energy into electrical energy.

- To gather information on environmental sources of energy by carrying out activities combining knowledge from natural and technical sciences;
- To carry out laboratory experiments to produce hydrogen;
- To build a model of a fuel cell;
- To conduct experiments with a reversible fuel cell;
- To design transportation facilities that use electricity derived from green hydrogen.





The project presents an idea for a sustainable green future. It includes various hydrogen production experiments and fuel cell experiments.

Conclusion: Nature gives us solutions for a clean future.
Apply STEM knowledge and skills to use green energy for sustainable development!