



SUSTAINABLE DEVELOPMENT GOALS IN EDUCATION

projects that show how STEM can contribute to achieving the SDGs

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BIOPLASTIC. ECO - An Ecological lifestyle.

This teaching project demonstrates the teaching method based on technology of bioplastic production. Students determine the speed of the decomposition process in the soil and they try to attract the local people attention to the spreading an ECO -friendly lifestyle. Our students investigate the ecosystem of the local park for the presence of plastic (garbage) in the soil. During their research work an alternative to polymer - organic plastic has been created.

This substance of organic origin can be made by hand; it can be used to make things that are used temporarily. It is an environmentally friendly material which is confirmed by the rapid period of decomposition in the soil.



Nowadays STEM education is possible at the lessons and beyond. Students pay more attention to our environment and they have understood the negative influence of human activities, so they have proposed some new technologies which are environmentally friendlier. The example of such kind of it is bioplastic production, where natural colours are used for the protection of the human health.

Teaching technique, mentioned above has developed the responsibility of young generation for the ecological situation on the Earth.

The project forms ecological and imaginative thinking, stimulates aesthetic self-expression and increase the cognitive interests of the secondary school students.