



Useful STEAM lesson plan

Teachers Jolita Bitinienė, Aurelija Lukoit

Class 9

Topic	Ecological problems in the Baltic Sea
Purpose of the lesson	To help students apprehend the teaching material further by integrating knowledge and experience in Geography and English language; to motivate and stimulate students to freely express thoughts about recent news both in Lithuanian and English.
Didactical purpose	Student 's ability to evaluate the ecological condition of the Baltic Sea, generating students to acknowledge the surroundings; developing the love for nature and one 's country; developing the feeling of duty and responsibility to protect and preserve the nature for the future generations.
Real problem/Problematical situation	Factual handout material is presented for the students both in Lithuanian and English, which represents the present condition of the Baltic Sea – one of the most polluted seas in the world. Vanishing life in the sea, decreasing resources, negative effect of the pollution to human society – topic for discussion for the students to interact in the lesson.

Team work Yes
 No

Teaching about critical thinking	Students, while working in groups, analyze the main vocabulary units on the topic and informational resources, name the ecological problems in the Baltic Sea, reasons for their origin and possible consequences. Students discuss this topic both in Lithuanian and English in groups, then presents their findings and personal experience to the other class members. Students formulate summaries, start debating while searching for possible reasons why ecological problems emerged, and interpret the situation while searching for solutions.
Integrated subjects	Geography, English language
Possible/expected result	Students are able to critically evaluate the ecological problems in the Baltic Sea, to analyze the given materials both in Lithuanian and English, to search for possible solutions how the government, families and each individual could help to decrease the ecological pollution in the sea.
Student 's reflection	Students self-evaluate their work during this class. They reflect by using their knowledge and experience on how each of them personally could make an impact to the ecological situation in the Baltic Sea.