



SCIENCE FOR THE YOUNGEST

projects for preschool and primary school

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STEAM

"STEAM education and technology – from smart robots to virtual expeditions"

Pupils virtually traveled around the Curonian Spit, created smart robots, participated in the interactive tasks, explored QR codes, were encouraged to make and test hypotheses, experiment, create constructions, compare, measure, model. In creative activities, using already used items (i.e. a toothbrush, a toy car with remote control, etc.) recreated objects, raised hypothetical questions about how to enable robotic helpers: a robot broom/painter/toy. In this way, we encouraged the children to develop attitudes towards sustainability, ecology.

The project material includes attractive interdisciplinary integration worksheets for students, related to real-world issues, and guidelines for teachers.



Robot!

Project Goal:

1. To **expand children's horizons** by using smart technologies and exploring **the Curonian Split in Lithuania**.
2. To enable the innovative use of secondary raw, **recycled materials** in the creative process.

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Conclusion:

We believe that this interactive exploration of robotic objects has allowed the children not only to discover new secondary toys and tools. Also this project broadened their horizons to the planning, development and monitoring of world improvement, progress, sustainability and ecology. The children also had a chance to explore the landscape of Curonian Split in Lithuania.

