



# SCIENCE FOR THE YOUNGEST

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## Our Trip on Mars

The project integrates STEM subjects and demonstrates innovative approach to the elaboration of creativity and competitive skills by means of hands-on experiments with lego.

During the project teachers engage pupils in STEM-based activities, they are provided with better information and support them with knowledge useful for their future education.

Considering the mechanism and the motion of the rocket model, pupils can get inquiring to the momentum conservation law in an original and entertaining way. They can also create and design their own rover robots.



This project has integrated STEM subjects, supporting the development of pupils' hands-on activity and constructivism. We have provided our students with more information and their future learning skills would be deeply social, student-oriented, personalized and technological.

This teaching technique was successfully used at physics lessons. Considering the structure and motion of the rocket has helped to deepen students' knowledge about conservation of momentum law and to reveal the idea of Ukrainian scientists about space flights. Models of rockets and rover robots have been designed by pupils.

This Project helps Generation Z develop their hands-on skills, 3-D imagination and creativity.