

LEARNING OUTCOMES:

6

GRADE SIX. **force. motion. energy.**

e² Young Engineers helps Grade 6 students delve into engineering and science through engaging hands-on projects. They'll discover how forces influence object interactions and motion using gears and wheels. Additionally, they'll get to explore space technologies..

Forces:

PULL BACK RACE CAR

- Students will learn how internal forces (i.e. tension) and external forces (i.e. friction) have an impact on objects.
- Students will develop an understanding of how kinetic and potential energy are related in the context of elasticity.

Impact of Technology:

ELECTRIC MIXER

- Your students will gain an insight into technology and its role in enhancing productivity and creativity in the kitchen.
- Students will learn how using gears and a motor, you can create a transmission system that results in increased speed and makes the task of mixing quicker and more efficient.

Space Technology:

SPACE ROVER

- Students will engage in hands-on construction of a Space Rover, gaining insight into the connection of technology and space exploration.
- Students will gain an understanding of the design of Rovers, and the challenges of exploring other planets.

