

Super Science Special Course (Basic Physics Experiment)

We did a basic physics experiment on February 12th.

In this experiment, we focused on “the principle of Conservation of Mechanical Energy.” Students calculated a horizontal projection’s initial velocity. Next they forecasted the spot where an object would fall and verified it by this experiment.

First, the students reviewed a formula about the principle of the conservation of mechanical energy.

Second, they assembled the experimental tools themselves. They worked out how to measure the initial position when an object moved horizontally and how to set coordinate axes.

After measuring, the students verified whether or not there was a difference between the object’s moving distance in theory and actual moving distance. If they found an error, they considered the reasons why the error occurred. They also considered whether the principle of the conservation of mechanical energy was consistent.

The students discussed the reasons and how to remove the error with their group members.

We hope that the students will enjoy studying physics and will learn more about it in Physics class in the 2nd-grade.

