

Subject: Motion study using cycling.

Lesson goals:

- the student is able to carry out the measurement in accordance with the instructions;
- the student measures the time of passing a particular distance (ex. 500 m) on a bike;
- the student on the basis of received measurements calculates the velocity;
- the student draws a graph distance by time.

The lesson stages:

1. The students measures distance ex. 500 m.
2. One student rides a given distance on a bike; the other student measures his time.
3. The students uses mobile application speed Distance Time Calculator or computer application Tracker to get distance by time and velocity by time.
4. As a homework the students have to draw a graph distance by time.

