



In this part of the project you have to create a mechanically controlled car. In your international team you have to make a similar car. Everybody films and measures the riding of the cars. All results (sketches, photos, videos, measurements) come on a common page

Every international group consists of 2 sub-groups:

- 2 or 3 pupils of class 3 WETa or b and 2 or 3 pupils of class 7A
- 2 or 3 pupils of class 3WETc and 2 or 3 pupils of class 7B

These are the conditions with which the car is to comply:

- Only mechanical components are allowed, no electronic parts!
- The car can drive independent (a short distance will do). The car may be helped to get started, f.e. being pulled back to wind up a spring.
- Some of the parts must be changed in order to control if the car runs faster, longer, (f.e. bigger wheels, a larger elastic, other cogs, ...)

These are the different steps you have to make:

1. First of all every group has to make a sketch of the car. The car has to be similar in both countries, so dialogue with your foreign partners is needed. Therefor each team find a forum on the twinspace. In this forum you can discuss with your partners.
You put both sketches on a common document and upload on the twinspace as a pdf-document. You can find the layout of the document to fill in on the

twinspace. Then, make a google doc to work together.

Drawing the sketches: by the end of November

2. Building the car

Building the car: before Thursday the 17th of January

3. Measurements on the driving:

During one of the physics-lessons you let your car drive and measure distance and time. So you can calculate the velocity of your car.

!!! One measurement is not scientific, you need to do at least three measurements

Then you change something on the car and you repeat the driving and measurements. You make a chart with all the measurements and calculations.

On the twinspace you find the lay-out of the document you have to use.

Measurements: during January / February

4. Making a common page on the twinspace. You make sure all materials are on the twinspace, the teachers will put everything on the pages.

So in the twinspace you put photos, videos, pdf-document with charts with measurements of both sub-groups and a comparison between the cars: who has built the best one? (greatest distance – greatest speed)

Deadline material on twinspace: the 15th of March