Lesson Plan

Teachers Team Work • Zoltan (Hung.), José (Port.), Doina (Rom.), Serkan (Turk.), Balazs (UK), Michela (Italy)
To build this plan teachers use Skype conferences, e-mail, titanpad and twinspace.

Topics • Team work, colaboration, read and follow instrutions, problem solving, measuring time	**Age** • 9 -14	**STEM topics** • inter-disciplinary: robotics, math, ICT

What students will learn • Understand what they read; follow instructions; understand that robots are constructed and that time can be measured with an instrument called a chronometer.

Materials • Lego Ev 3 kit, chronometer, photo machine, tablet, computer	**Estimated duration** • 60 min.

Lesson

- Students are divide in groups and received de EV3 sets, chronometer and photo camera/tablet.
- When teacher give the instrution students start the timer and begin to build robot.
- A student in each group will be responsible for photographs of activity for the final collection to be used in the construction of a maximum 2-minute film about the activity with the use of applications such as moviemaker, imovie or other.
- Once completed the robot students compare the times and are explored different units of time and its relationship therebetween.
- Each group presents to colleagues the difficulties experienced during the task and the solutions to overcome them.
- Each group makes a video about the activity with the images collected edited in an application as the moviemaker or imovie and presents to colleagues.
- The videos can be shared on the website of the school or the project's blog.

Images•

Evaluation • The teacher can use an observation grid to assess the interest, participation and commitment of the students during the tasks and the competencies used in the collection of images and editing the videos and analyze through the students' answers to these understood as use the chronograph and time units.

Observations •