



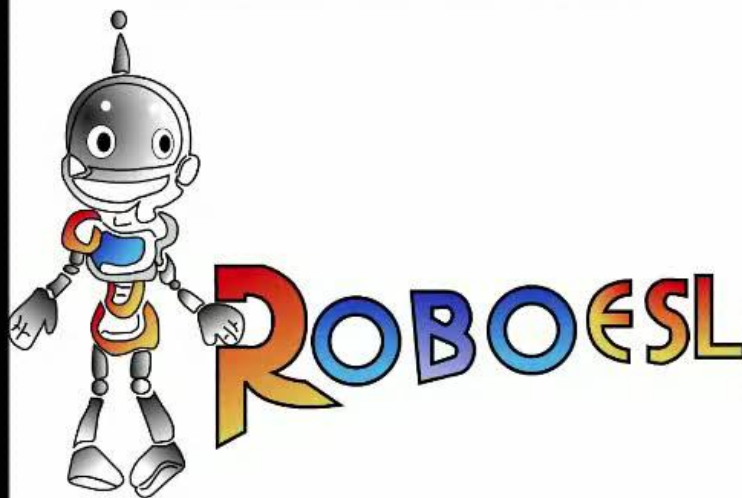
Course in Genoa



Erasmus+



Liceo Fermi - Genova





Some data

- **12 hours – 4 days (3 hours per day):**
 - 05-apr; 11-apr; 20-apr; 26-apr
- **36** students (from 6 classes)
- Students' age: **16** (2nd class of our School)





About timetable and dates fixed

- Robotics lessons started at h12,30 and went on till h15,30 (in our school classes are usually dismissed at h13,50)
- This schedule, wich partly overlapped ordinary classes, was meant to facilitate students' participation and to avoid making their school days too hard and tiresome
- The day of the week was not always the same to avoid taking students away from the same lessons





About students' selection

- We selected more than 30 students on the basis of proficiency as resulting from school reports and the teachers' further evaluation
- Some students didn't choose to take the course
- So we included students with better assessments
- The risk of this choice: "the best" students could prevaricate on the other ones





About groups' organization

- Students formed groups spontaneously, but these groups consisted mostly of pupils from the same class
- So we formed groups with students from different classes to be able to test better their aptitude for collaboration





Attendances

Number of students	Number of attendances
25	4
7	3
2	2
2	1



Teachers

- All five trained teachers have participated in all lessons (except for short absences due to other unavoidable engagements)



Impressions (feelings)

- most of the students seemed excited
- few students seemed little affected
- students with the best assessments appeared more creative: they have sought personal solutions and try to vary what is proposed
- sometimes the enthusiasm led them not to follow the directives : it is good or bad?



search for solutions to the problems proposed

- usually students were seeking the correct values of the parameters by trial
- only rarely they sought a mathematical solution



Use of curricula

- in the time available, we were able to apply the first three curricula (ROBORAIL, GO TO PARK, DESERT SCOUT) only in the main aspects.
- we did not use the variables



Comments (1)

- Many students were pleased to continue the course
- 12 hours course... too short!
- To be able to do more we would need to involve other colleagues
- But at the moment, no further colleague is available



Comments (2)

- The students appeared very responsible: nothing broken or lost



Comments (3)

- Initially we insisted on the need for interdisciplinary curricula
- We realized that it is better to insist on the STEM aspects



Some proposals

- Students involved could teach, in turn, to other people (i.e. other students, longterm hospitalized children, older people)
- In the next course, in autumn, we would like to use the most willing students to tutor the new ones