

# IMPACT OF INTERDISCIPLINARY SCRATCH PROJECTS DEVELOPED BY 20 TEACHERS AND 700 STUDENTS OF FUNDAÇÃO TORINO

1

## TEACHERS TRAINING + TEACHERS MEETINGS

20 Teachers: English, Math, Music, Arts, Spanish, P.E., Italian, Geography, History, Portuguese, Social Studies and Science

2

## TUTORIAL DEVELOPMENT OF 64 PROJECTS

[justcoding.com.br/scratch-ft](http://justcoding.com.br/scratch-ft)  
password: scratch

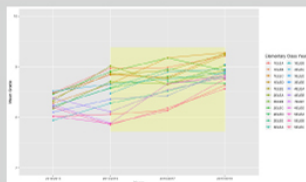
3

## STUDENTS TRAINING

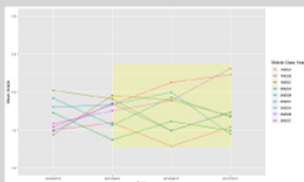
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## CLASSROOM FOLLOW UP

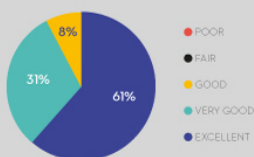
## IMPACT EVALUATION



1 MEAN GRADE OF EACH CLASS (from 37,034 grades)



2 MEAN GRADE OF EACH DISCIPLINE (from 37,034 grades)



3 PROJECT EVALUATION BY THE TEACHERS

### SUGGESTIONS FOR IMPROVEMENT

- Increase teacher participation.
- Students should present the results.
- Increase project difficulty.
- Better arrangement of the schedule.
- More time for each project.
- Students could bring tablets to the classroom.

## CONCLUSIONS

- Overall positive impact on grades.
- Different impact on grades of different years.
- Greater impact on the last years: 5th year of Elementary and 3rd year of Middle Year.
- Greater impact on Elementary than on Middle years grades.
- More data will be analyzed as the project continues to be implemented.

## AKNOWLEDGMENTS

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