



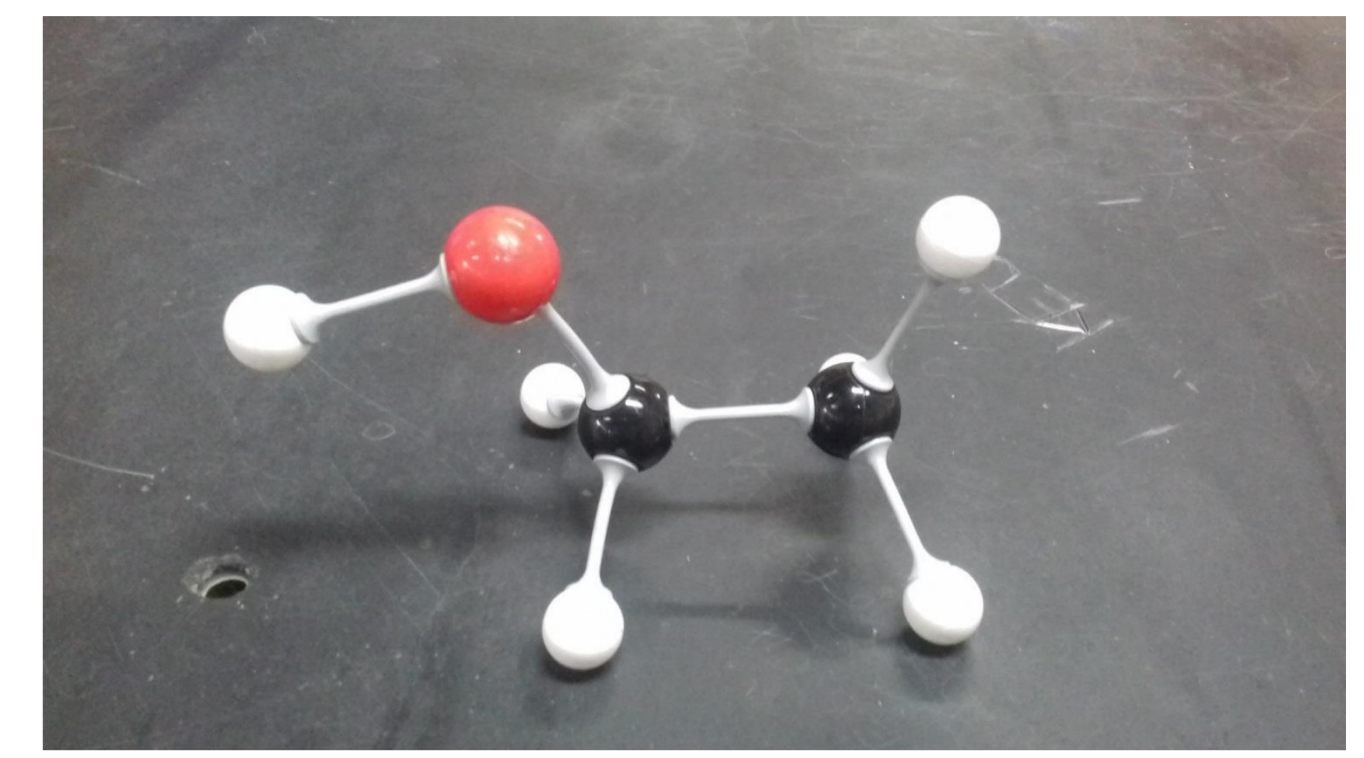
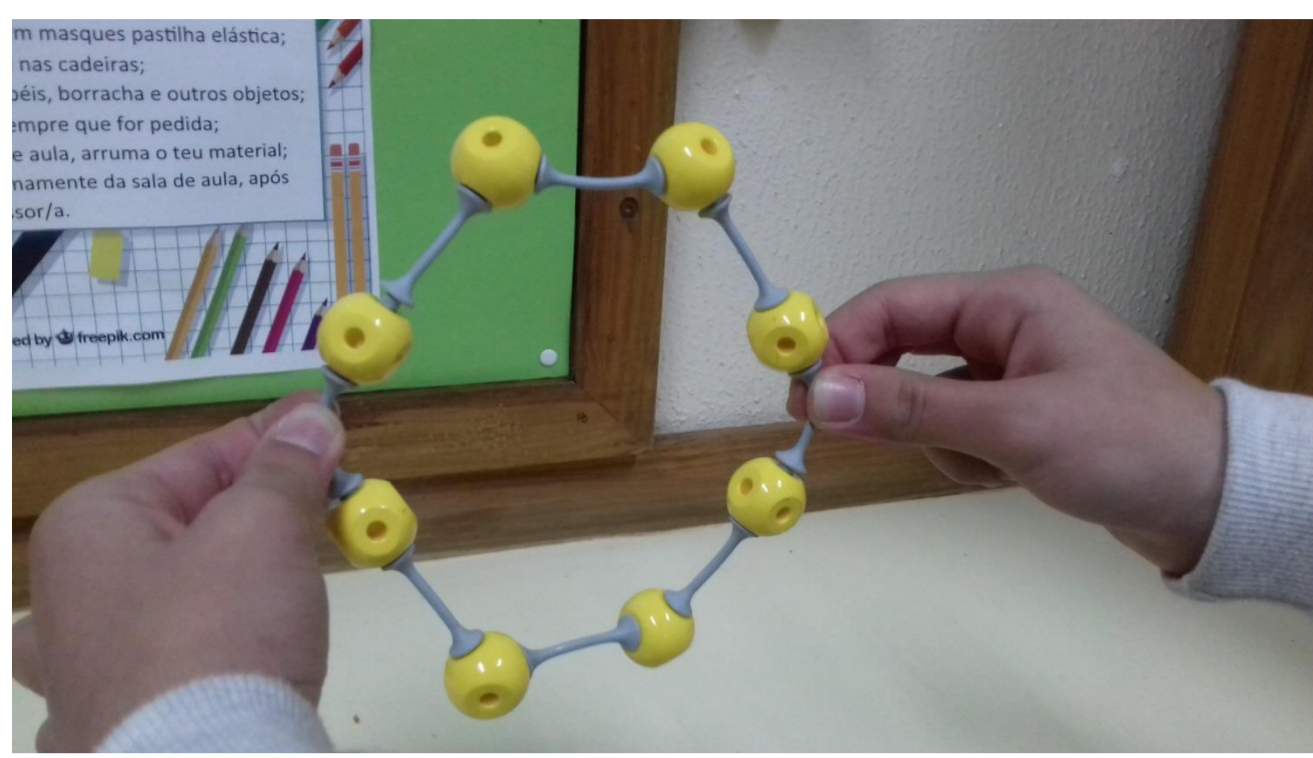
# Projeto Etwinning: Science experiments project for children 12 to 15 years old

<https://twinspace.etwinning.net/47312/home>

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Nota: O projeto teve início no ano letivo 2017/2018 no Agrupamento de Escolas Gaia Nascente e terá continuidade no ano letivo 2018/2019



## Short description:

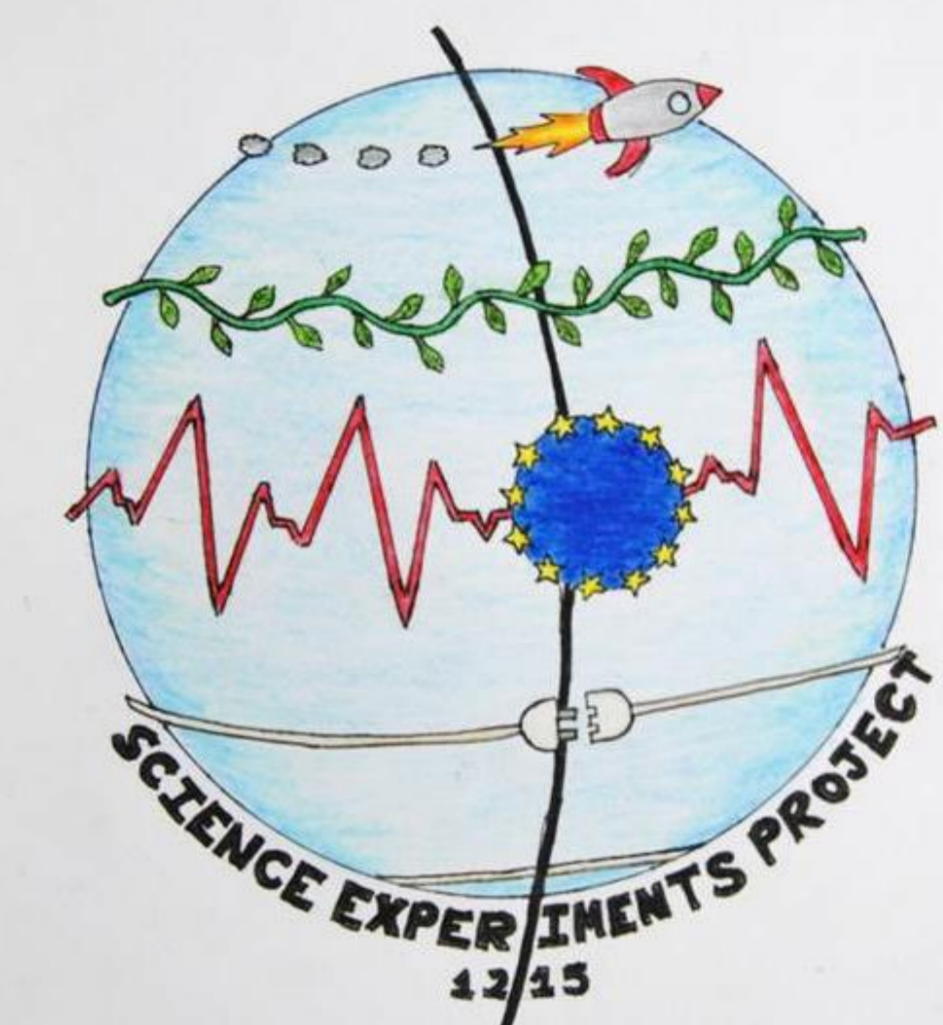
Students from different countries will carry out collaborative project work, planning experiments in the scientific area, executing it and discussing results.

Final product: Presentation of a virtual science fair in Twinspace.

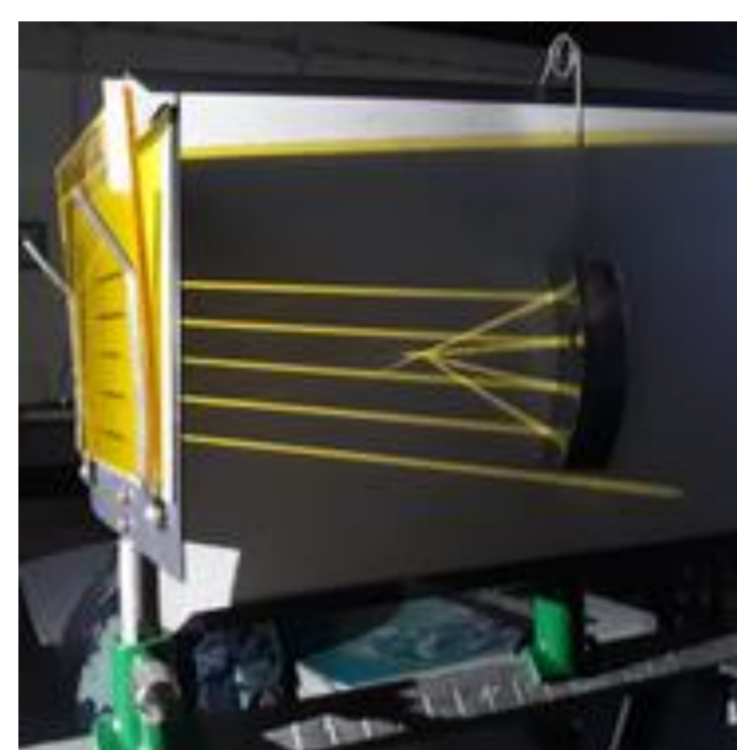
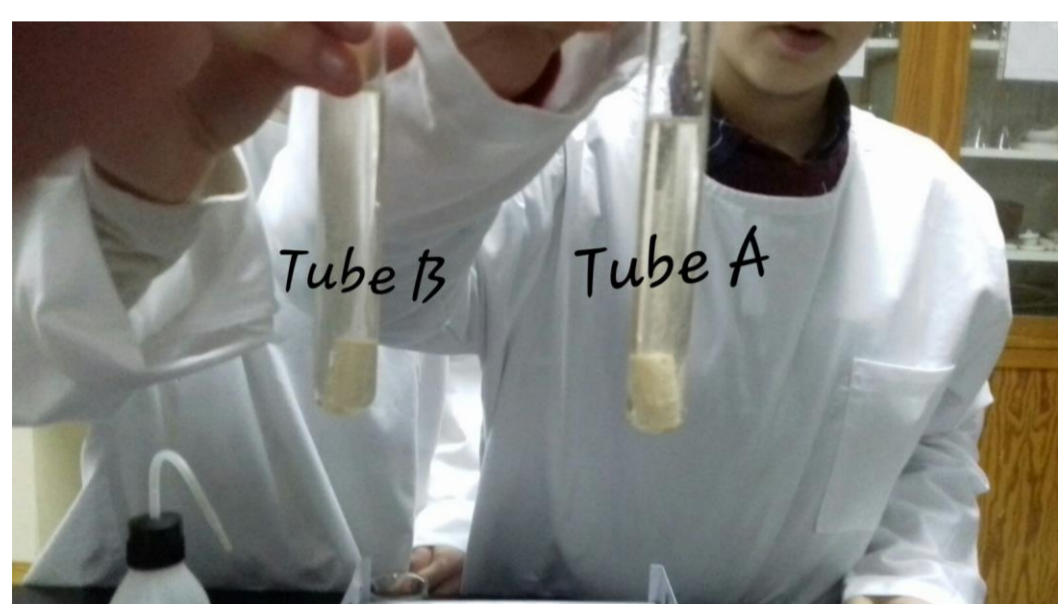
Language: English

Pupils: From 12 to 15 years old.

Subjects: Science, Chemistry, Physics, ICT(Information and Communication Technology), Visual Education and English.



Logotipo do Projeto



## Planning:

**phase 1** September/October  
Contacts between founding teachers and member teachers.  
Preparation of student's account.  
Request of authorization from parents.  
Talk about the project with our students.  
Exchanges between all teachers: sciences subjects or chapter in each country, planning meetings dates, holidays dates.  
Decide the chapters of science where we are going to carry out the experiments, with particular attention to the experiments in the field of Chemistry.  
Each student writes on his profile to introduce himself.  
Group work ( 3 or 4 students) : searching for information related to an experiment.  
Launch of project logo proposals.

## Aims:

- Encourage students to get to know each other and to establish cooperation;
- Develop communication skills in English, for sharing experiences;
- Improve students' digital skills and Science knowledge;
- Promote innovation and good practices in Science dissemination, namely Chemistry.

**phase 2** November  
1st Skype : Students meet and introduce themselves.  
Make a mindmap about science in life.  
Make an announcement about the project of each group : poster, video or powerpoint presentation.  
Each school asks two questions about each other school team experiment and post it on the twinspace.  
For example : a French team will receive 2 questions from Greece and 2 from Portugal.

**phase 4** January/February/March/April  
Groups of Students Collect the necessary materials for the experiments. Carry out the experiments and make a video of it. Upload it in Twinspace.  
Each school asks 2 questions about each experience.

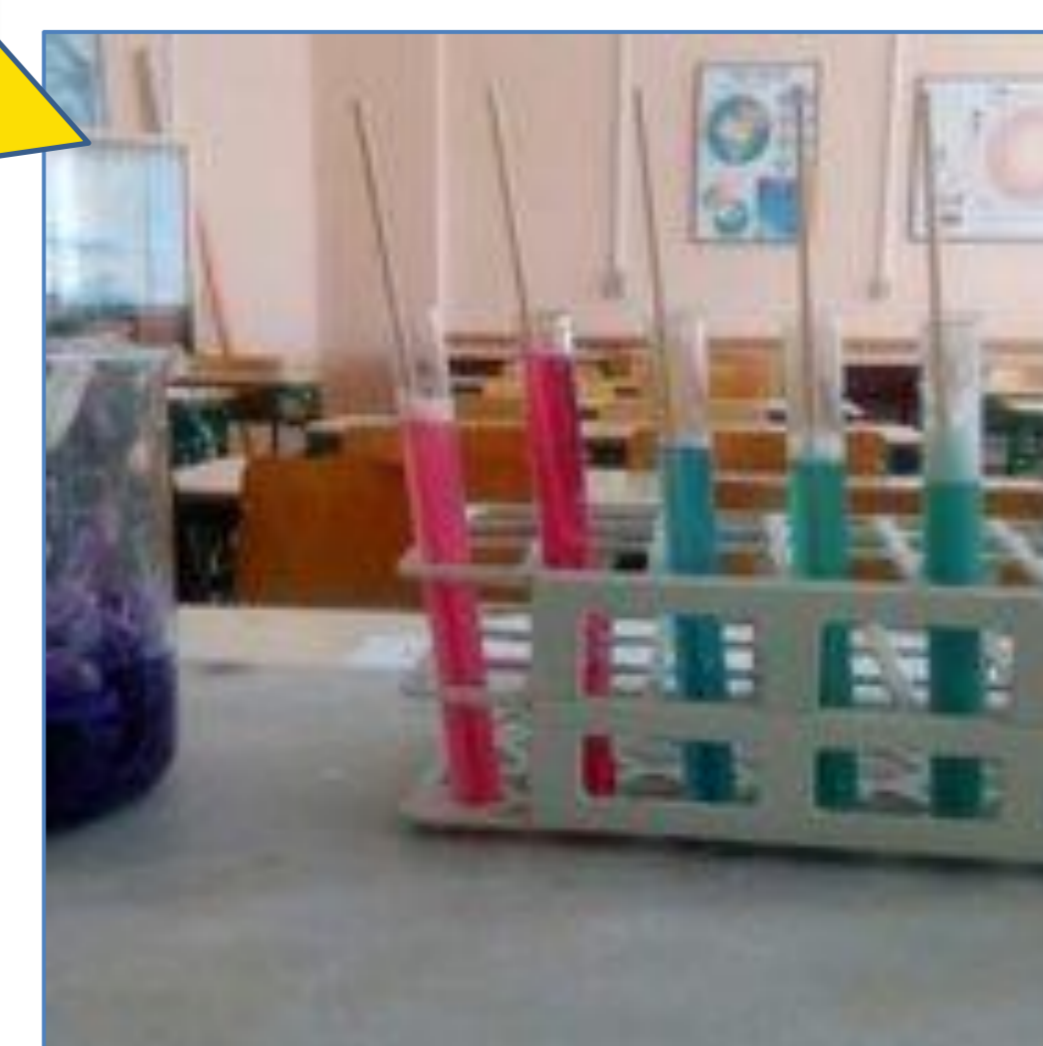
**phase 5** April/May  
Final product: Presentation of a virtual science fair in Twinspace.  
2nd Skype : Talking about the experiments movie. Asking questions to each other. Making a cooperative mindmap about what the students have enjoyed most in the whole project.  
Creating a google survey of the project.

**phase 3** December  
Exchange of Christmas Cards in Twinspace.  
Each School sends Happy New Year Cards to other schools.



## Expected results:

- Learning digital skills, namely web 2.0 tools;
- Dissemination of scientific experiences in an innovative way and informal learning of chemistry;
- Acquiring language skills through cooperative learning and learning by doing.



Red Cabbage Indicator

2	4	6	8	10	12
Red	Pink	Purple	Blue	Green	Yellow