

PIANO  
TRENTINO  
TRILINGUE

8 9 10  
MARZO  
2018

# FESTIVAL DELLE LINGUE ROVERETO

150 WORKSHOP  
80 ENTI PARTECIPANTI



# Science Challenge:

## First Steps in Applying the Scientific Method.

An experience in Year 3 in Rovereto

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*giovedì 8 marzo 2018*

# Aims

To show

- **how** the application of the **scientific method** *can become an effective way* to develop the Science curriculum in Primary School and foster communication skills in L2.
- **how students** *learn* the foreign language without being aware of it.

# Context: Primary School

**Collegio Arcivescovile “Dame Inglesi” Rovereto**

Corso Bettini 71, 38068 Rovereto

<http://www.arcivescoviletrento.it/it/contatti/sede-rovereto.html>



## Context: Class 3

**12 hours** in English per week:

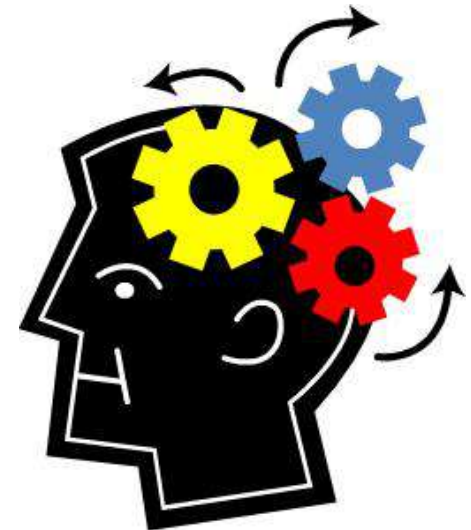
**4h**= 2h English + 2h Laboratory

**8h**= 2h Science, 1h Geography, 1h Geometry, 1h ICT, 1h Art, 2h Laboratory (Cross-Curricular Project in English and Italian) in CLIL

# Application the Scientific Method

## Why?

- Higher Order Thinking Skills (HOTS)
- Not a traditional lesson
- Feel free to express
- Group-work



# Environment

## Where?



# Fun for Science

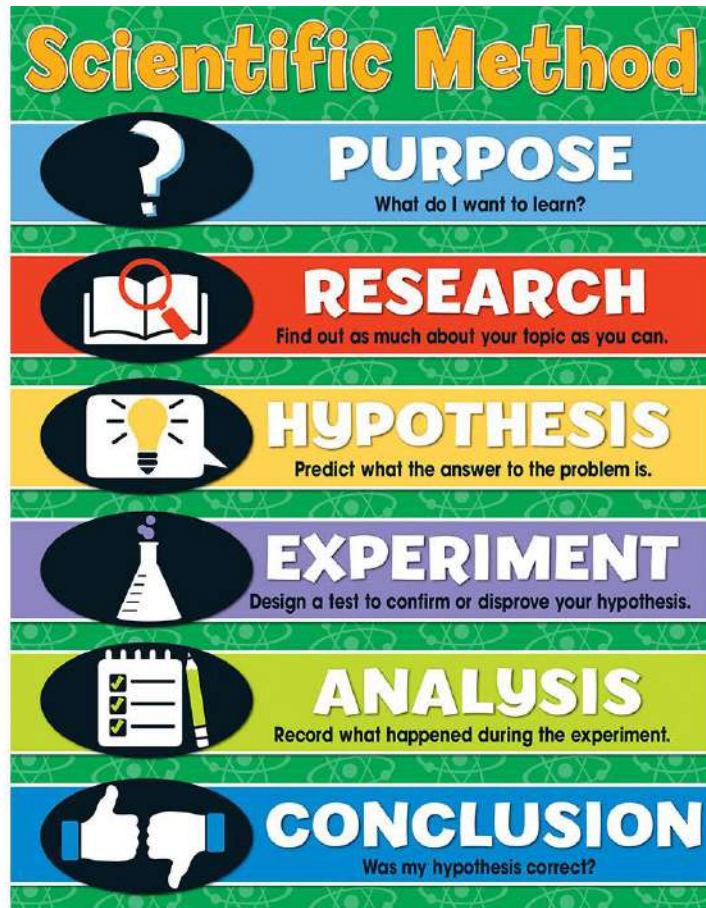


## Movie N.1





# Scientific Method



=

Writing + Speaking  
Skills

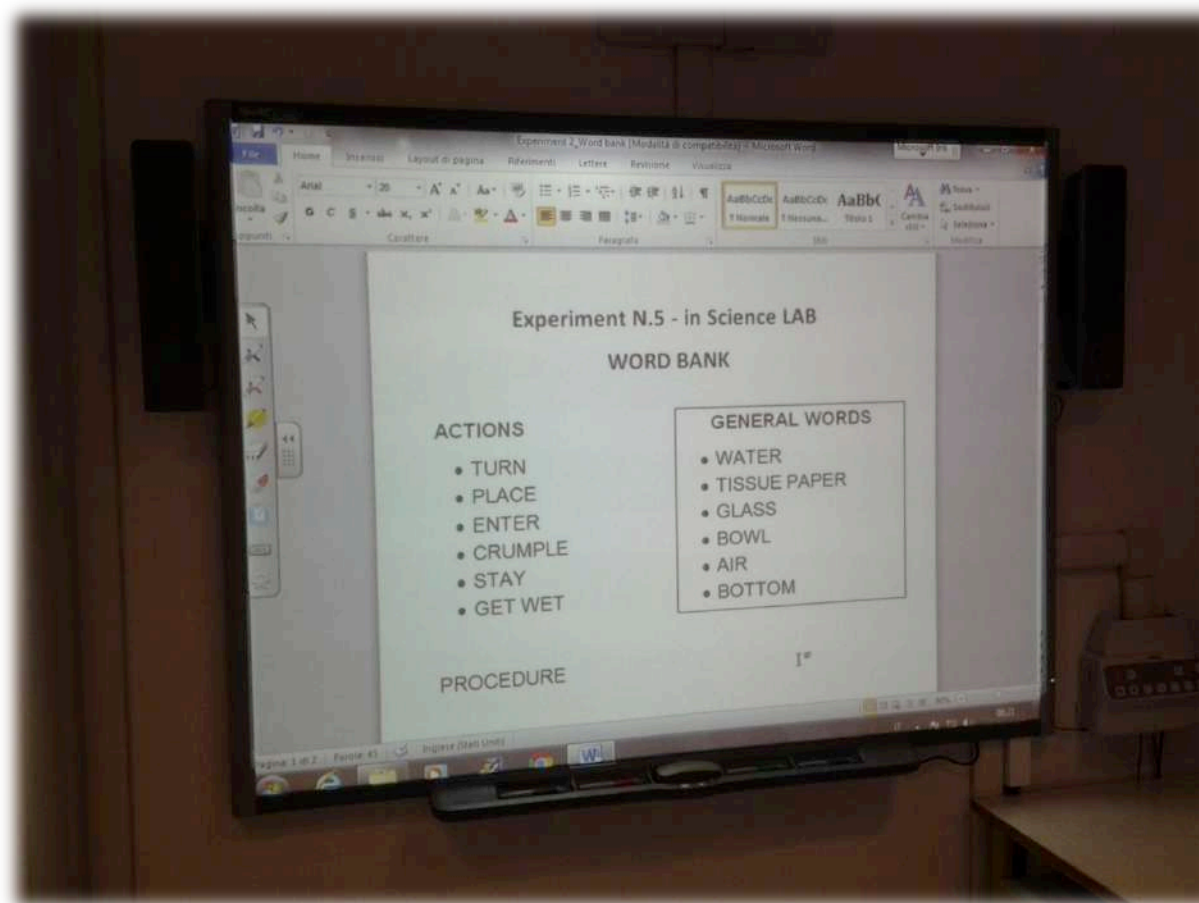
# Hypothesis: Speaking skills



# Procedure 1: Writing skills

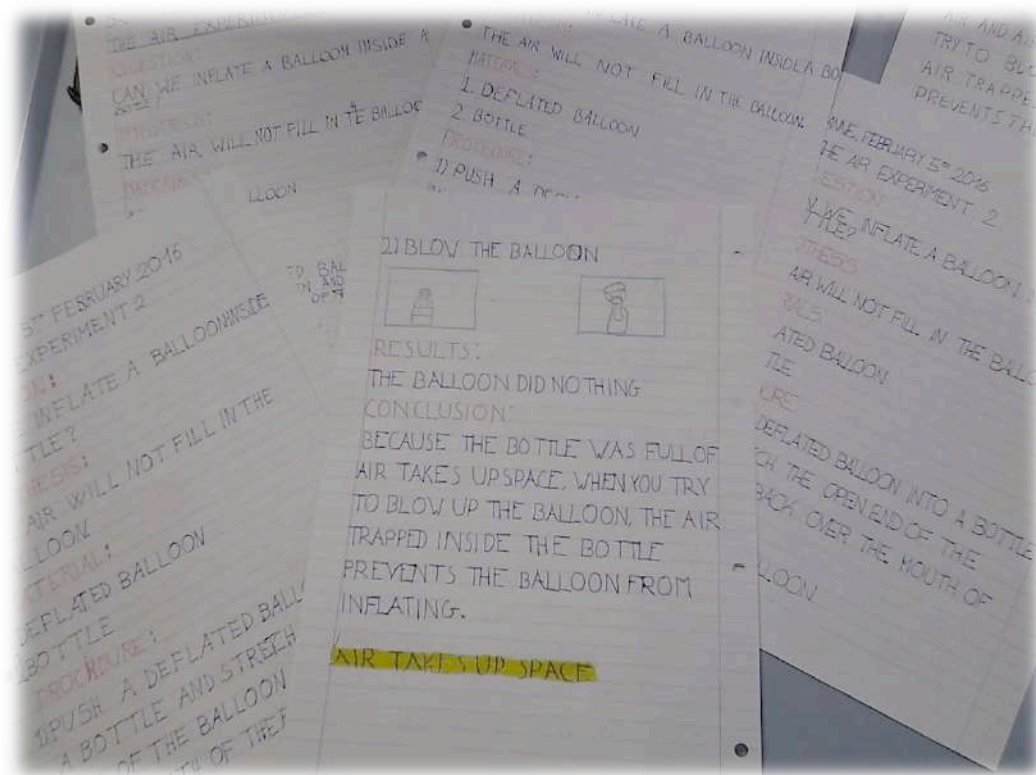


# Procedure 2: Writing skills





# Results-Conclusion: Writing-Speaking Skills



# Self-Assessment

## Comparing Class 3 and Class 5

What do students think about  
learning Science in English?

- *Do you like going to the Science Lab? Why?*
- *Do you think you learn more English or not?*
- *Is it easy or difficult for you?*

Movie n.2

1940

## SCIENCE | DUFF AND THORNTON

I like going - the reason I like because we do experiment  
and we learn things about energy. I think that I  
have more <sup>to</sup> enjoy in the reason because we spend in  
time have only enjoyed, but when in the class we  
have a lot of enjoyed that. I think also that in  
the lab is very interesting.

19 FEBRUARY 2018

Yes I like it because we do alot of experiments  
and we have a lot of things. Yes I believe we  
have more English because we write and speak  
in English and we write big books of animal  
human body. I like it because I have a lot  
of good friends and good teachers too.

CEATRICE 10<sup>TH</sup> FEBRUARY 2013

## SCIENTIFIC STATEMENT

like going to the science lab because it  
interesting. I can learn something out  
of class, so for me is a good thing. I liked  
staying <sup>in the lab</sup> at night. It is not studying in letters  
staying in class with the book.  
like the science lab because I learn English  
and some other word too.

2. Like the island 2000

7) I'm going to Seance Lab because there are  
not behind doors on the floor and on the  
classroom we are behind on two doors.  
I don't believe that if there were English  
going to Seance Lab because we speak  
English in the two rooms.

August 13th 1918 11<sup>th</sup> FEBRUARY 20-18

I like going to the Science Lab  
because sometimes we do experiments  
and it is very funny.

Now, I think it's the same  
going to the Science Lab or Laying  
in the classroom, but I like more  
the Science Lab than Laying in  
the classroom, and I believe that  
we are speaking the same sort  
of English in different places. ❤

19-2-2015

I HAVE A LOT OF TO DO TO THE SCIENCE LAB  
BECAUSE OUR TEACHERS, A TELL US A LOT OF  
THINGS AND WE DO EXPERIMENTS THAT WE CAN  
DO AT HOME

Q I GO TO THE SCIENCE LAB AS I WOULD LEARN  
A LOT OF THINGS BECAUSE IS WE LEARN  
ABOUT THE SCIENCE

I LOVE GOING TO THE CLEAN LAB BECAUSE  
IT WAS SO BORING SO WHEN THE TEACHER TOLD  
THAT TODAY WE ARE GOING TO THE CLEAN  
LAB, IN MY MIND I SAID "YES!!"

Answer: 12<sup>th</sup> February 2014

## SCIENCE ONE-ASSESSMENT

13 like group in the Science Lake because  
we are the more movement than in other  
and in the Science Lake we are in groups  
and so we can speak of what we are  
doing

I think that in the Science Lab we have

FEDERICA

192-2

SCIENTIFIC FARMERS

□ We going to the science lab because in the science lab there are more real things and so we can learn more words that describe the material and, for example, when we learn about rocks in the science lab we can do experiments.

I think that going in the science lab helps me to learn more words in English because if I do science in Italian I can not learn English but if I do it in English I can learn more words and maybe if I read a science book in

5-18-2-2018

I LOVE GO TO THE SCIENCE LAB  
BECAUSE WE CAN DO EXPERIMENT  
AND WE ARE IN GROUP IN THE SCIENCE  
LAB I LEARN MANY THING<sup>THINGS</sup> THE ROCK  
AND THE PLANTS

2. IF I GO TO THE SCIENCE LAB I CAN LEARN MANY THINGS AND I CAN LEARN MORE ENGLISH. I CAN LEARN MORE ENGLISH BECAUSE ALWAYS WHEN WE SPEAK WE SPEAK IN ENGLISH.

♥ I LOVE MICHIGAN ♥

ANNE 19<sup>th</sup> FEBRUARY 2018

I love going to the Science Club. We do the experiments and when we know there is like being real one with all the things for doing experiments around us is like there is a one. I think that if we are in the Club we are more interested and we because Science is an interest and when we do experiments it is

I ♥ SCIENCE



*«I think that if we are in the Science Lab we are more interested so we listen because Science is an interesting subject but when we do experiments, it is more interesting.» by Anne*

*«I love going to the Science Lab because we can do experiment and we work in group.» by Silvia*

*«I believe that seeing what we are studying is better than staying in class with the LIM.» by Beatrice*

*«I believe we learn more English because we write and speak in English.» by Francesco*



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**8 9 10 MARZO 2018**

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THANK YOU