

**flip**



Finding Learning Innovative Paths

**Erasmus+ Programme – Strategic Partnership  
Project Nr: 2016-1-RO01-KA219-024638**

**TOOLKIT**

<http://4gym-rethymn.reth.sch.gr/flip/>

# SCHOOLS PARTNERS

**Școala Gimnazială "Constantin Parfene" -  
Vaslui, Romania**

<http://4gym-rethymn.reth.sch.gr/flip/romania/>  
[www.scoala3cparfenevaslui.ro](http://www.scoala3cparfenevaslui.ro)



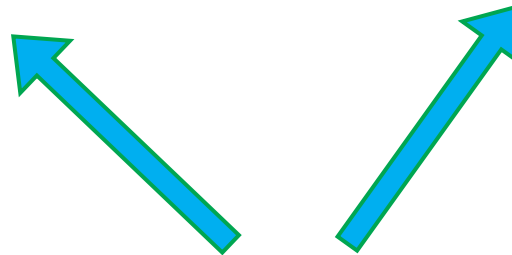
**Gymnasium No. 4 – Rethymno, Greece**  
<http://4gym-rethymn.reth.sch.gr/flip/greece/>  
<http://4gym-rethymn.reth.sch.gr/wp>

**Istituto Professionale Statale Socio-Commerciale-  
Artigianale "Cattaneo - Deledda" – Modena, Italy**  
<http://4gym-rethymn.reth.sch.gr/flip/italy/>  
<https://www.cattaneodeledda.edu.it/>



**SHARING THE  
EXPERIENCE AND  
BEST PRACTICES**

**SHARING MATERIALS**



**OBJECTIVE OF THE TOOLKIT**



**SHARING IDEAS FOR INNOVATIVE TEACHING  
AND LEARNING APPROACHES**

# **SUMMARY**

**CHAPTER 1: FLIPPED METHODOLOGY: INNOVATIVE STRATEGIES  
DEVELOPING TRANSVERSAL SKILLS**

**CHAPTER 2: DEVELOPMENT OF THE DIDACTIC CONTENTS IN THE  
FLIPPED CLASSROOM**

**CHAPTER 3: STRATEGIES FOR DEVELOPING A MORE EFFECTIVE  
LEARNING ENVIRONMENT**

**CHAPTER 4: EDUCATIONAL GAMES**

**CHAPTER 5: THE DESIGN OF A FLIPPED LESSON**

# CHAPTER 1

## FLIPPED METHODOLOGY: INNOVATIVE STRATEGIES DEVELOPING TRANSVERSAL SKILLS



# FLIPPED METHODOLOGY

## CONTEXT

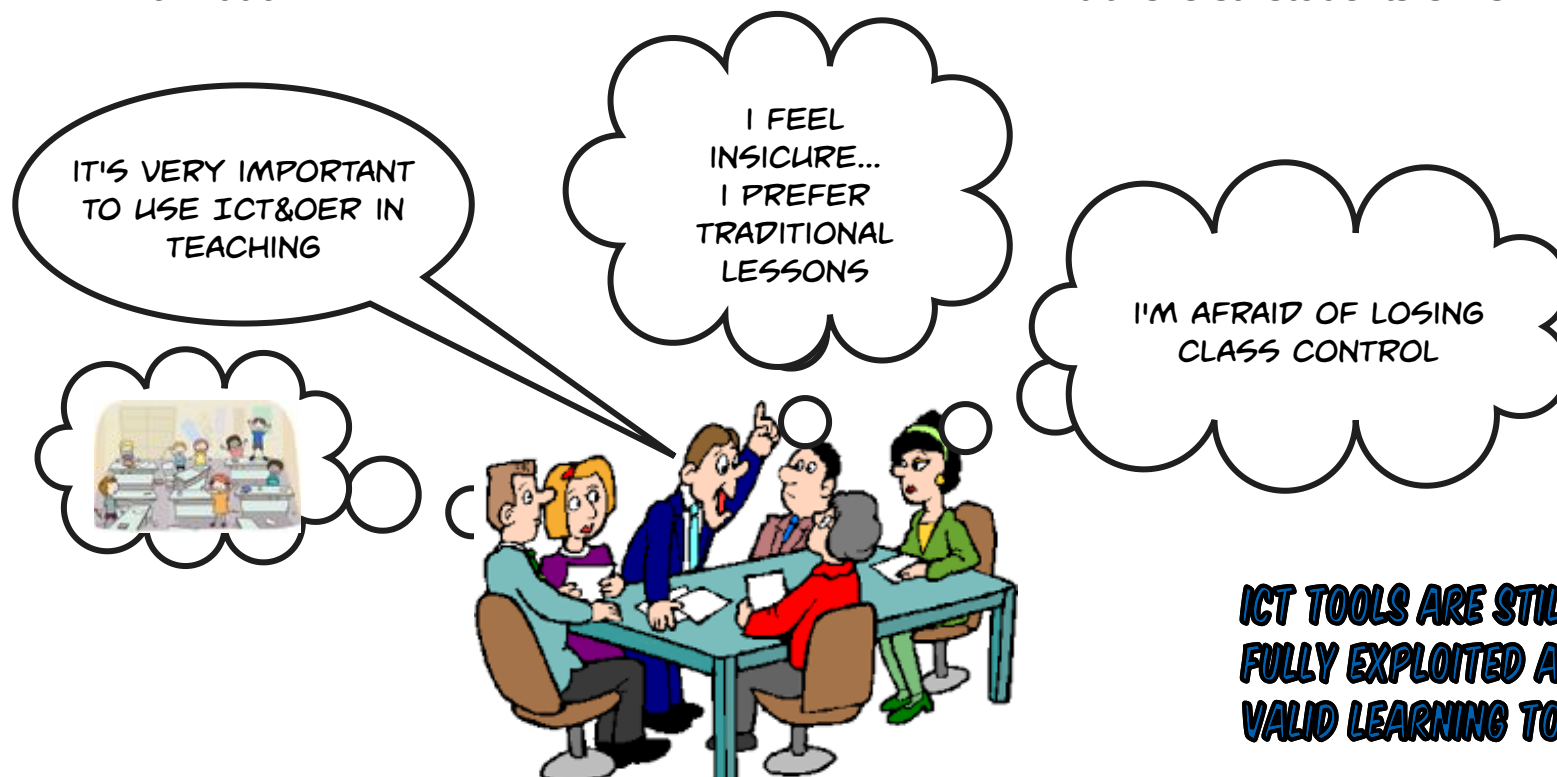
The challenges of nowadays society are very fast while the schools' answer is delayed

**SWOT** (Strengths, Weaknesses, Opportunities, Threats) analysis says that it's time

lessons used to transmit information

against

lessons able to develop the transversal students' skills



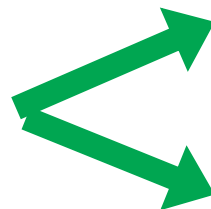
**ICT TOOLS ARE STILL NOT FULLY EXPLOITED AS A VALID LEARNING TOOLS**

# FLIPPED METHODOLOGY

## CONTEXT

Teaching methods are very far from the world of young generation

PISA results show that low performances are most likely to be found among



at-risks groups

migration backgrounds

The implementation of an approach to support progressing of the low skilled learners and at-risk group is essential.

## PROJECT PROPOSED

TO DEVELOP TRANSVERSAL KEY COMPETENCIES IN STUDENTS (12-15 YEARS OLD)



using ICT&OER and creating more active learning environment



based on



by

developing and testing a toolkit for implementing the flipped classroom methodology

# FLIPPED METHODOLOGY

## KEY CONCEPTS

Comprised of basic and transversal skills

## KEY COMPETENCIES



Implies changes in teaching methods

<https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=LEGISSUM:c11090&from=EN>




# FLIPPED METHODOLOGY

**FLIPPED  
METHODOLOGY**


**VS**

**TRADITIONAL  
METHODOLOGY**



**Traditional Classroom**

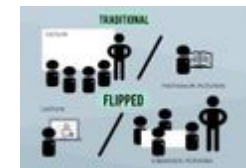
- Instructor prepares material to be delivered in class.
- Students listen to lectures and other guided instruction in class and take notes.
- Homework is assigned to demonstrate understanding.



**Flipped Classroom**

- Instructor records and shares lectures outside of class.
- Students watch / listen to lectures before coming to class.
- Class time is devoted to applied learning activities and more higher-order thinking tasks.
- Students receive support from instructor and peers as needed

<https://drive.google.com/drive/u/1/folders/1nsT1Nbf9TObzfn29T0-riCvft6lLa749>



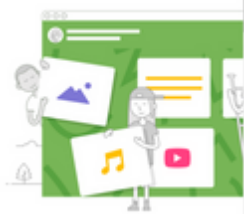
# CHAPTER 2

## DEVELOPMENT OF THE DIDACTIC CONTENTS IN THE FLIPPED CLASSROOM



## **PADLET**

<https://padlet.com/support/whatispadlet/wish/151556334>



## **POWTOON**

<https://en.wikipedia.org/wiki/Powtoon>



## **TED-ED**

<https://ed.ted.com/about>



**GOOGLE  
DRIVE**

[https://en.wikipedia.org/wiki/Google\\_Drive](https://en.wikipedia.org/wiki/Google_Drive)

# **ICT AND OTHER EDUCATIONAL RESOURCES**

<http://4gym-rethymn.reth.sch.gr/flip/presenting-flip-classroom-tools/>

## **LABWE WHITEBOARD SOFTWARE**

<http://www.labwe.com/en/software.html>

## **KAHOOT!**

<https://kahoot.com/>





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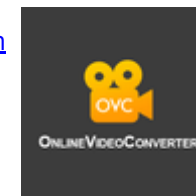


# **ICT AND OTHER EDUCATIONAL RESOURCES**

[http://4gym-  
rethymn.reth.sch.gr/flip/presenting-flip-  
classroom-tools/](http://4gym-rethymn.reth.sch.gr/flip/presenting-flip-classroom-tools/)

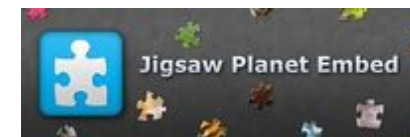
## ***OnLineVideoConverter***

<https://www.onlinevideoconverter.com>



## ***Jigsaw Planet – Free Online Jigsaw Puzzles***

<http://www.jigsawplanet.com/>



## ***Windows Movie Maker***

[https://en.wikipedia.org/wiki/Windows\\_Movie\\_Maker](https://en.wikipedia.org/wiki/Windows_Movie_Maker)



## ***ICT AND OTHER EDUCATIONAL RESOURCES***



**[HTTPS://PADLET.COM/4DASKALOS/](https://padlet.com/4daskalos/)**

# CHAPTER 3

## STRATEGIES FOR DEVELOPING A MORE EFFECTIVE LEARNING ENVIRONMENT



# AN EFFECTIVE LEARNING ENVIRONMENT

FLIPPED METHODOLOGY

COOPERATIVE LEARNING

ICT & OEM RESOURCES

EDUCATIONAL GAMES



<http://4gym-rethymn.reth.sch.gr/flip/strategies-for-developing-a-more-effective-learning-environment/>

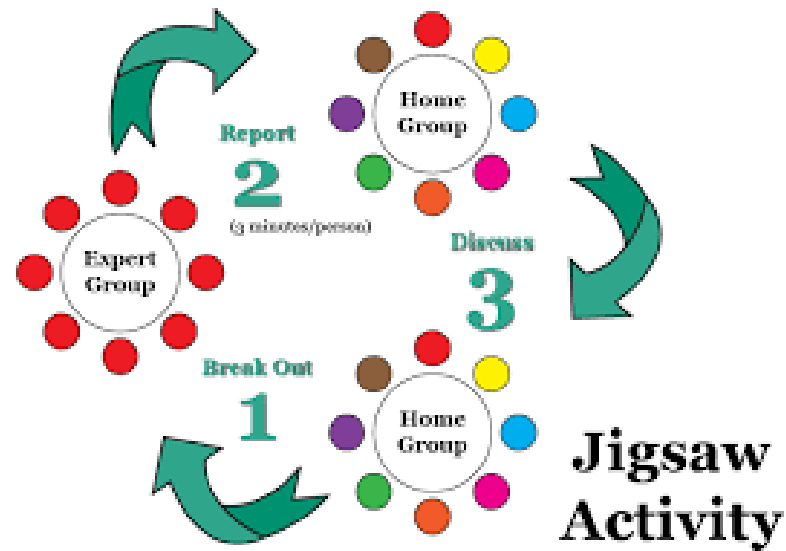
CONNECTED COMMUNITY

ASSESSMENT STRATEGIES

PEER TUTORING

FLUID APPROACH

# JIGSAW TECHNIQUE FOR COOPERATIVE LEARNING



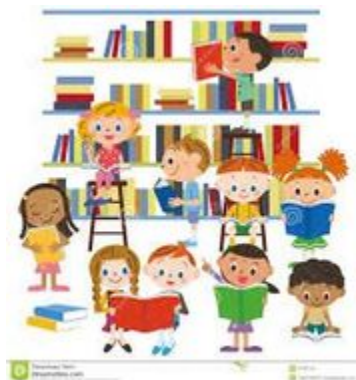
[https://drive.google.com/drive/u/2/folders/1qSNq-eeYN3\\_B8RqCzCvABecRquvCvmYT](https://drive.google.com/drive/u/2/folders/1qSNq-eeYN3_B8RqCzCvABecRquvCvmYT)





# AMORES

## TEACHING METHODOLOGY FOR IMPROVING A MOTIVATION TO READ



[https://drive.google.com/drive/u/2/folders/1qSNq-eeYN3\\_B8RqCzCvABecRquvCvmYT](https://drive.google.com/drive/u/2/folders/1qSNq-eeYN3_B8RqCzCvABecRquvCvmYT)



# BEING CREATIVE

TEACHING/LEARNING/TRAINING ACTIVITY FOR STUDENTS AND TEACHERS



[https://drive.google.com/drive/u/2/folders/1qSNq-eeYN3\\_B8RqCzCvABecRquvCvmYT](https://drive.google.com/drive/u/2/folders/1qSNq-eeYN3_B8RqCzCvABecRquvCvmYT)





# CHAPTER 4

## EDUCATIONAL GAMES



# EDUCATIONAL GAMES

FOR A SIGNIFICANT LEARNING PATH AND  
TO DEVELOP TRANSVERSAL SKILLS

<https://drive.google.com/drive/u/2/folders/1FSoyfaLDwn5UmlCQjCfjdihUZdM-RKyY>



# EDUCATIONAL GAMES

## CROATIA

### EDUCATIONAL GAMES, LIST

[https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9B](https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9B)

## GREECE

Matching Mosaic Game

### "THE RELIGION AND THE ART OF THE MINOAN"

[https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9B](https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9B)  
[https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9B](https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9Bhttps://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9B)

## ITALY

### EDUCATIONAL GAMES IN TEACHING ENGLISH AS A FOREIGN LANGUAGE

[https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9B](https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9B)

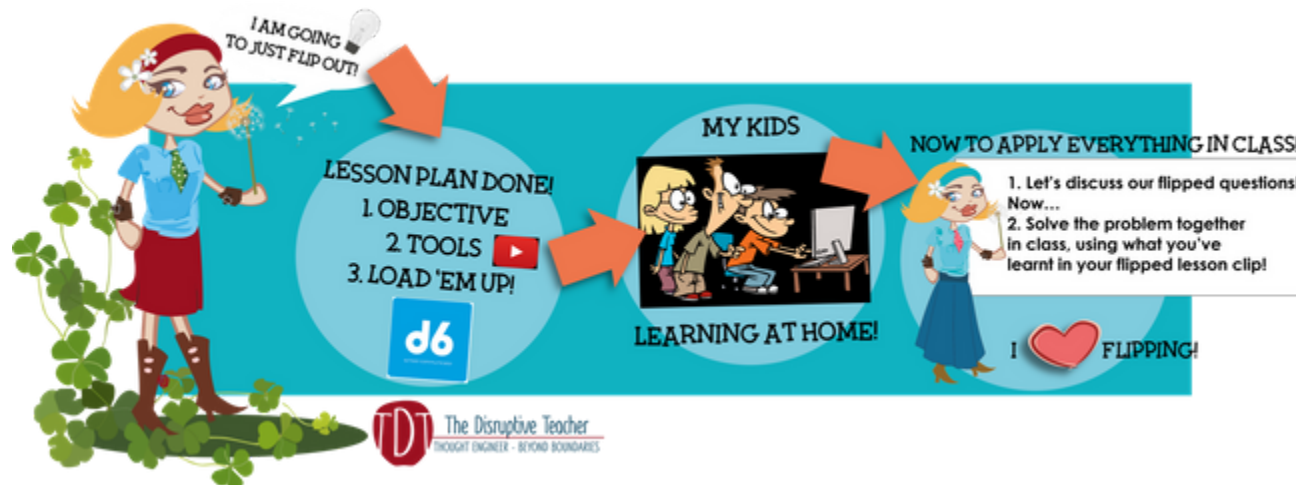
## ROMANIA

### CLASSROOM GAMES

[https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9B](https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9B)  
[https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4\\_JBKNqEr17XjdmEzfh9B](https://drive.google.com/drive/u/2/folders/1hNlybuiQ42J4_JBKNqEr17XjdmEzfh9B)

# CHAPTER 5

## THE DESIGN OF A FLIPPED LESSON



## **LESSONS IN 5 SUBJECTS FOR EACH COUNTRY**

**CROATIAN LANGUAGE**

**CROATIA**

**SCIENCE**

**MUSIC**



**CHEMISTRY**

**MATHS**

<https://drive.google.com/drive/u/2/folders/1GUcjrrPeK2I21zuMvTIZOvpOTMBSk4eE>

## **LESSONS IN 5 SUBJECTS FOR EACH COUNTRY**

**GREECE**

**FRENCH**

**ANCIENT GREEK LANGUAGE**



**ICT**

**ANCIENT HISTORY**

**GERMAN**

<https://drive.google.com/drive/u/2/folders/1uW27UIkivg-fNPOhkuq22E7KyCyscJ4P>





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## ***LESSONS IN 5 SUBJECTS FOR EACH COUNTRY***

***MATHS***

***ITALY***

***PSYCHOLOGY***

***CHEMISTRY***



***ENGLISH***

***PHISICAL EDUCATION***

[https://drive.google.com/drive/u/2/folders/1HRZjieBEZ\\_WeNCnFSAaHN62IsXzuQOcC](https://drive.google.com/drive/u/2/folders/1HRZjieBEZ_WeNCnFSAaHN62IsXzuQOcC)

## ***LESSONS IN 5 SUBJECTS FOR EACH COUNTRY***

***PHISICS***

***ROMANIA***

***SCIENCE***



***ENGLISH***

***MATHS***

***BIOLOGY***

<https://drive.google.com/drive/u/2/folders/1JtZcDliehPSbSw877mIHb0X2yuPMrzha>

## LESSONS IN 5 SUBJECTS FOR EACH COUNTRY

**CROATIA**

**MATHS**



**POLYGONS**

**CHEMISTRY**



**ENZYMES**

**MUSIC**



**MUSIC STORY**

**CROATIAN  
LANGUAGE**



**DOCUMENTARY FILM**

**SCIENCE**



**THE HUMAN BODY**

# LESSONS IN 5 SUBJECTS FOR EACH COUNTRY

# GREECE

ICT



<https://padlet.com/nikolaosp/flipclass>

ANCIENT HISTORY  
THE CONSTRUCTION OF  
ATHENIAN SOCIETY



ANCIENT GREEK LANGUAGE  
THE RECOGNITION OF ODYSSEUS  
BY TELEMACHUS



GERMAN  
LANGUAGE  
GRAMMATIC



FRENCH LANGUAGE



# LESSONS IN 5 SUBJECTS FOR EACH COUNTRY

# ITALY

MATHS SPECIAL PRODUCT

$$(a+b)(a-b) = a^2 - b^2$$
$$(a+b)^2 = a^2 + 2ab + b^2$$
$$(a-b)^2 = a^2 - 2ab + b^2$$

PSYCHOLOGY EMOTIONS



CHEMISTRY  
ACIDS AND BASES



PHYSICAL  
EDUCATION  
VOLLEYBALL:  
THE SETTING



ENGLISH  
CLOTHES AND FASHION





# ***PHOTO GALLERY***



# **ROMANIA**

## **14-18 NOVEMBER 2016**





# GREECE

## 8-12 MAY 2017



# ***CROATIA***

## ***16-20 OCTOBER 2017***





Erasmus+

**ITALY**

**19-23 MARCH 2018**



# THANKS TO...

## RUMENIA

**Teachers:** Dorina Nemțanu, Daniela Crizantema Nane, Corina Velișcu, Nastica Olaru, Monica Magdalena Pătrăcuță, Alina Lupu, Erika Karina Chiriac, Liliana Lupașcu

**Students Club Debate:** Ana Maria Bucuci, Codrin Burlacu, Theodora Sabina Cărare, Briana Elena Corlățan, Daria Simona Cîrdei, Alexandra Cozma, Alexandru Ștefan Ghearasim, Theodora Ghelbere, Miruna Grigoraș, Vladiana Grigoraș, Daria Istrățucă, Denisa Olaru, Teodora Sabrina Sîrghi, Alexandra Tunaru, Raluca Ursu, Victor Ștefan Vîrlan

## GREECE

**Teachers:** Vasiliki Palama, Maria Vasaki, Nektarios Tsantakis, Nikos Proestakis, Sophia Banou, Irini Pilava, Maria Christoforaki

**Students:** Theodora Sofianou, Vivi Deligiorgi, Manolis Kariniotakis, Eleftheria Makripodaki, Georgielli, Sifogiannaki, Katerina Sifakaki, Giorgina Vidiadaki, Maria Vergaki, Panagiotis Ksenidis, Aspa Delidaki, Katerina Karagianni, Tzanidaki Kristallia, Tzanidaki Chryssoula.

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## CROATIA

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**Students:** Rita Despot, Lorena Hrman, Paula Stipičević, Dina Pehnac, Ana Hluchy, Sofia Matijević, Luka Raguž, Lara Ključarić

## ITALY

**Teachers:** Vincini Roberta (coordinator of the Project and English teacher), Fratta Cristina (Maths teacher), Lucia Prezioso (Maths teacher), Anna Vitolo (English teacher), Milena Ronzoni (English teacher), Simona Gianello (English teacher), Daniela Notaristefano (English teacher), Ginevra Vecchi (Physical Education teacher), Linda Fusara (Psychology teacher), Michela Fininguerra (Chemistry teacher), Lucia Di Federico (Chemistry teacher), Simonetta Marotta (Psychology teacher), Carmen Cesarini (teacher supporting children with special needs), Girolamo Ganci (I.T. teacher)

**Students** Alessia Savigni, Kawtar Meziat, Sala Greta, Silvia Matilde, Stefano Serra, Sara Lenzotti, Abeyie Priscila Oppong, Dabou Zineb, Alessia Bulgarelli

**THE END**

