

Register Number:
CP-57/2023



*Inspire, Learn, Communicate, in the best
hospitality environment.*

CERTIFICATE

Presented to

Valeria Amatiello

from the institution

**Istituto Comprensivo Senigallia Centro -
Fagnani**

who attended the course "**Teaching Science**" in the context of Erasmus+ Learning Mobility of learners and staff that was held at ErasmusLearn by OLOKLIROSI LIFELONG LEARNING CENTER.

Training program duration: 5 days/ 25 hours.

Amalia Niniraki

Una piccola sintesi....

- ▶ Periodo: dal 15 al 19 maggio 2023
- ▶ Luogo: Parigi
- ▶ Denominazione Corso: Teaching Science
- ▶ Tipologia: Erasmus + KA1 course
- ▶ Organizzatori: Erasmus Learn (<https://erasmuslearn.eu/>)
- ▶ Numero partecipanti: 1
- ▶ Obiettivi del corso



- Insegnare ai bambini a sviluppare una mente e un atteggiamento scientifici.
- Determinare le competenze dei processi di indagine scientifica.
- Scoprire esperimenti scientifici creativi a basso costo in classe.

Idocente

Astrinos Tsoutsoudakis

Science teacher / STEM trainer

Head of the 1st Laboratory
Center for Science Education
in Heraklion, Crete



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GR-71307 Heraklion, Crete
Greece



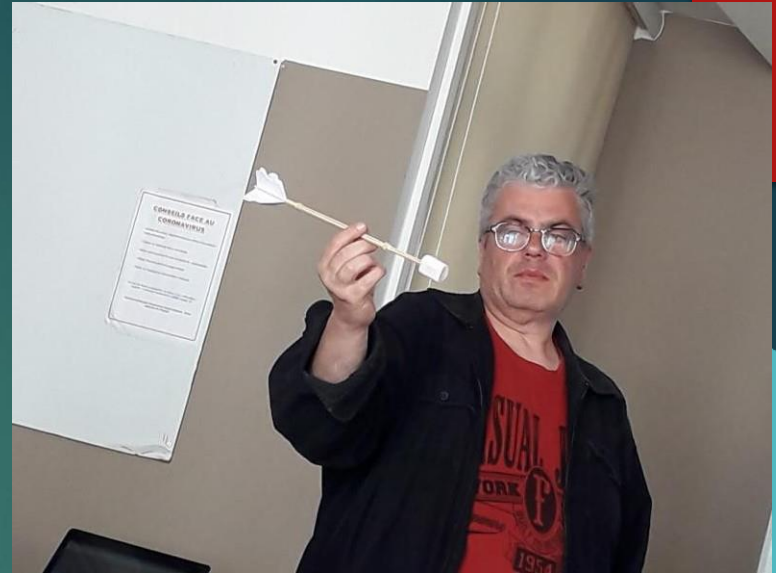
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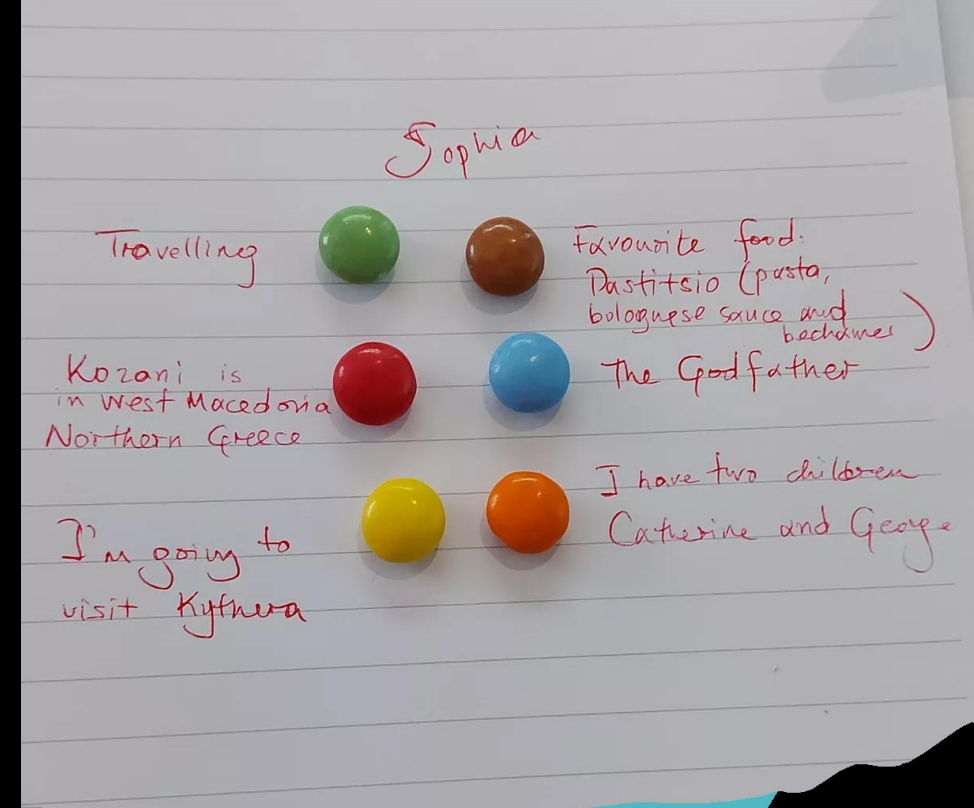
astrinos1@gmail.com



1st EKFE of Heraklion



SCIENCE  ON STAGE
GREECE



La classe: presentazione,
attività rompi-ghiaccio e
team-building

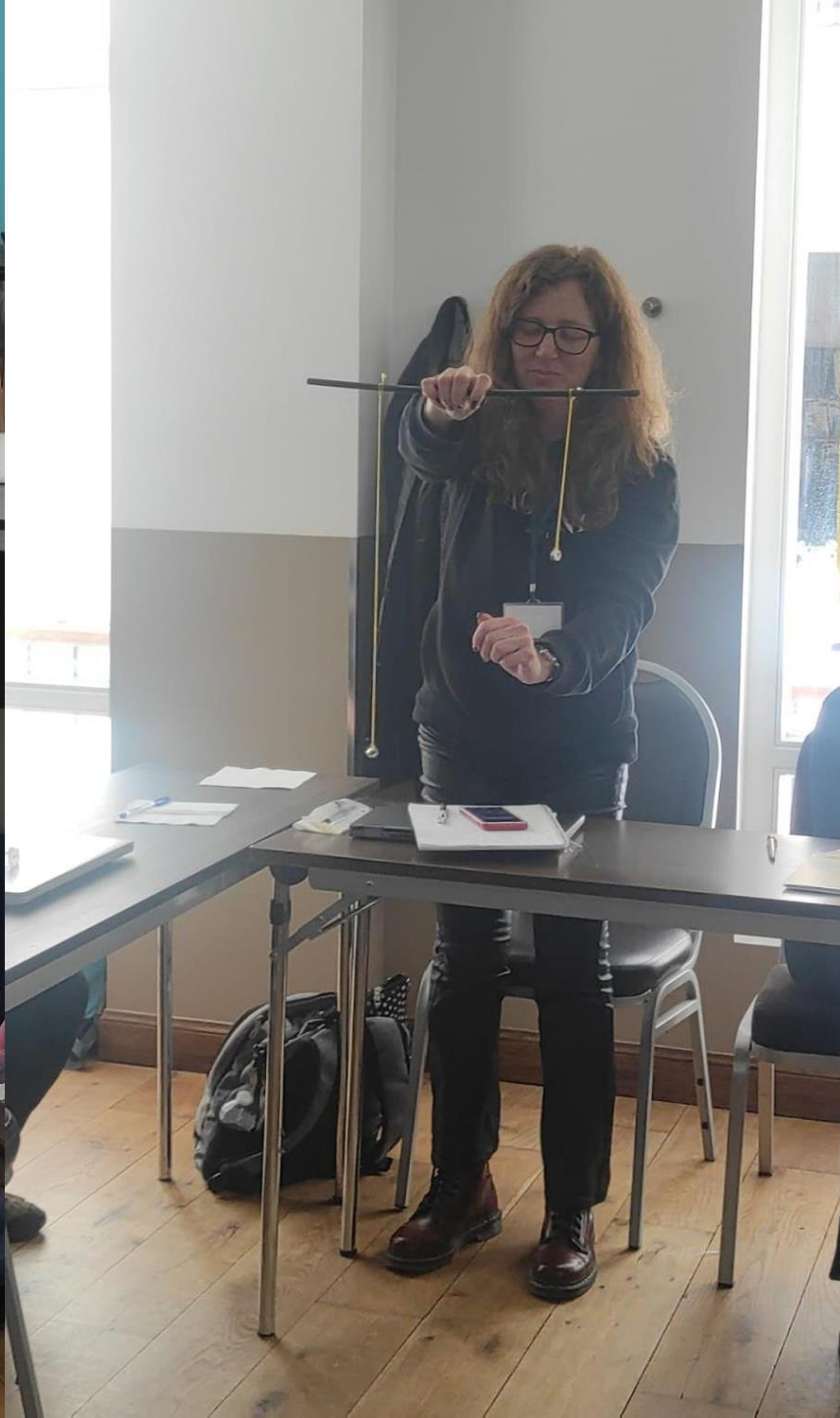
Marshmallow Challenge

Gara tra piccoli gruppi.
Chi costruirà la torre più
alta disponendo di
pochi oggetti?



- Un paio di forbici
- 20 spaghetti
- Un po' di Spago
- Nastro-carta
- Un marshmallow

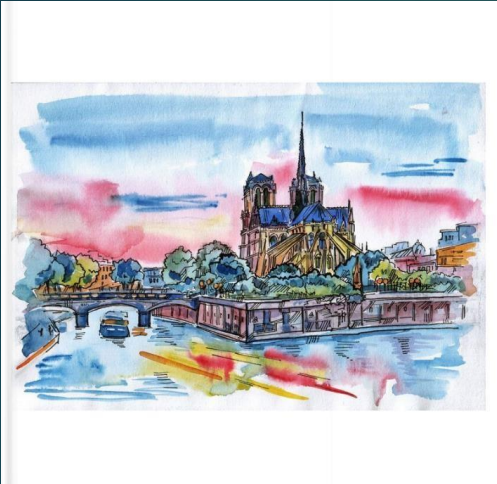




Scoprire la
Risonanza
con i
pendoli di
Barton

► E-books

<https://read.bookcreator.com/AHJDdSyjKtaXvgKoH8hlquJICqJ2/QsOIZMVyQcSmwAHuaxz7-Q/2vBzWZP2Rzi2QENFs-S5pg>

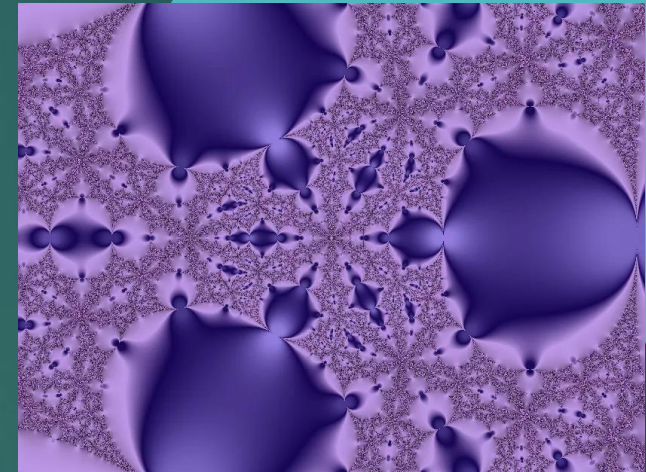


Tensegrity



Fractal art

<http://usefuljs.net/fractals/>



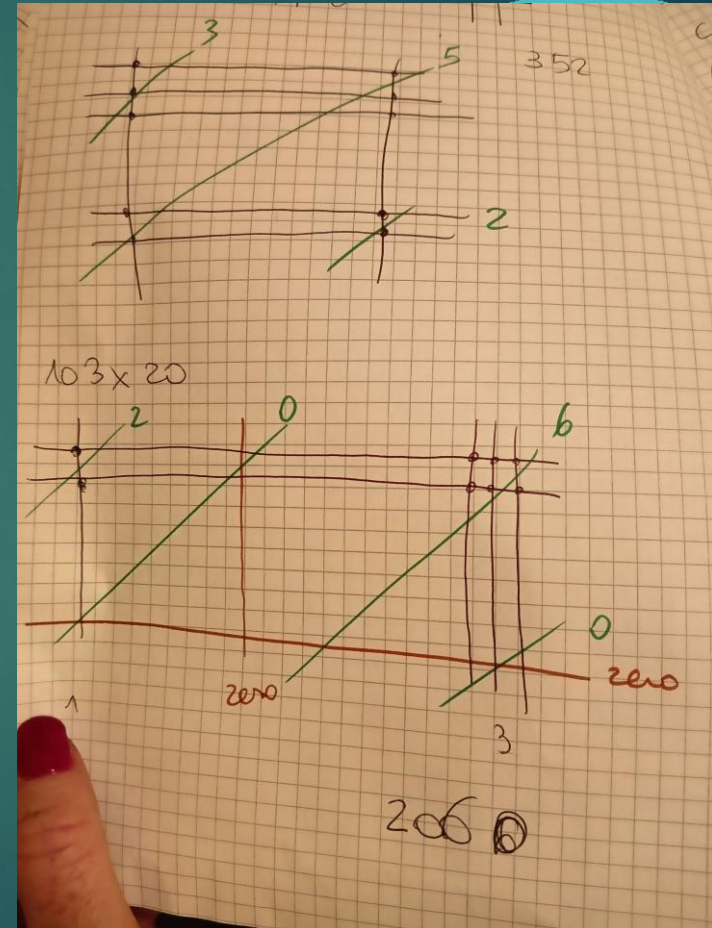
Maths Lab

- ▶ Monte Carlo's simulation of Buffon's experiment



Japanese Multiplication

<https://youtu.be/gngvWShRgX4?si=joUeUZA3e3ycPzkT>



STEM con alcune app

Circuiti elettrici con

<https://www.tinkercad.com/>

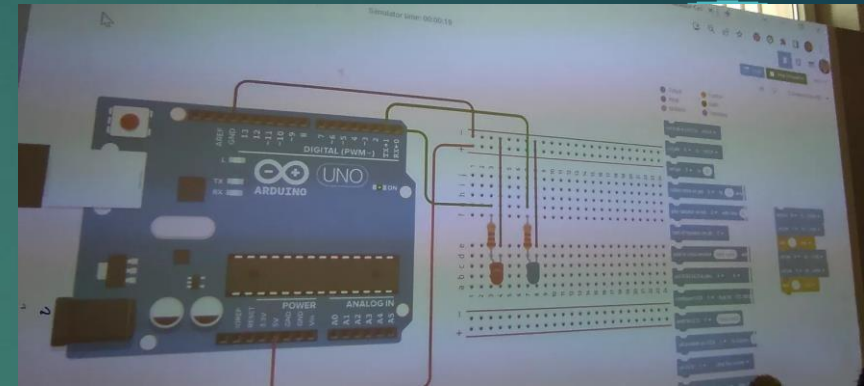
► Escape room con

<https://g.co/kgs/PvsHZq>



Animazioni con Power Point

<https://mega.nz/file/tbxHjJ4I#SBdMssX4uCfC0tN0dRR8MhyhJYPRaG4wFO1D1uszwKI>



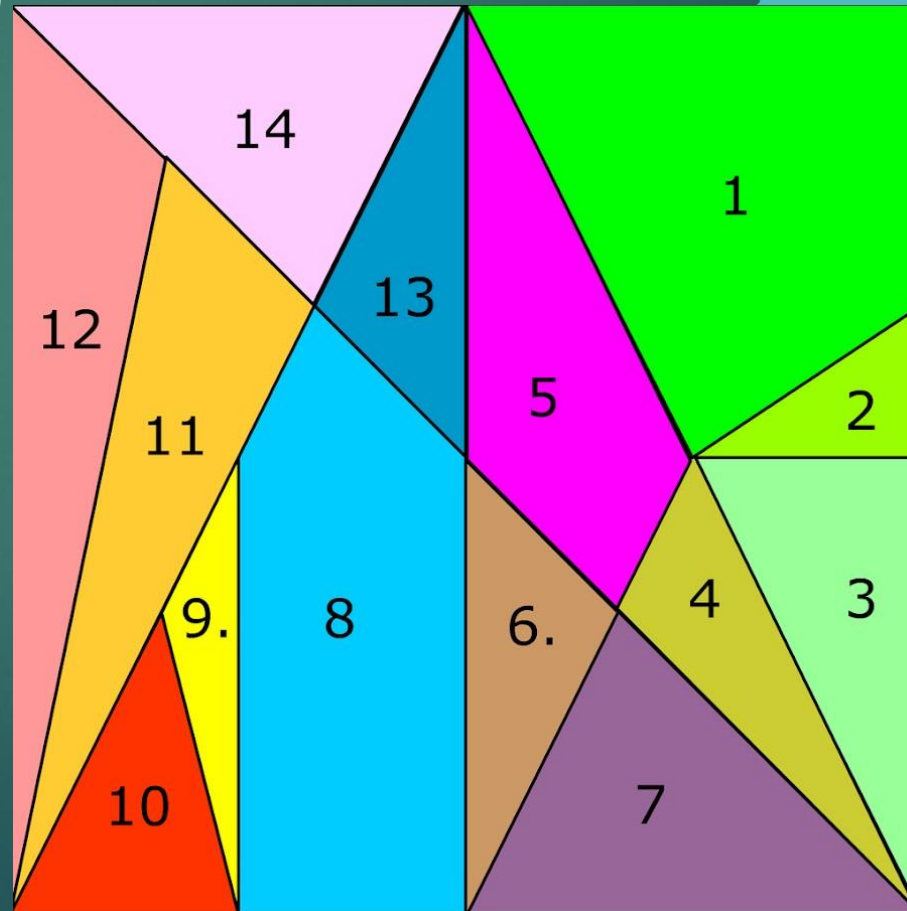
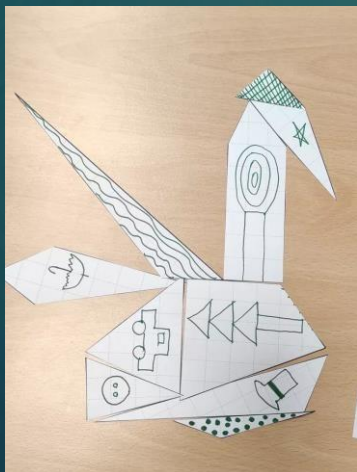
Coding con

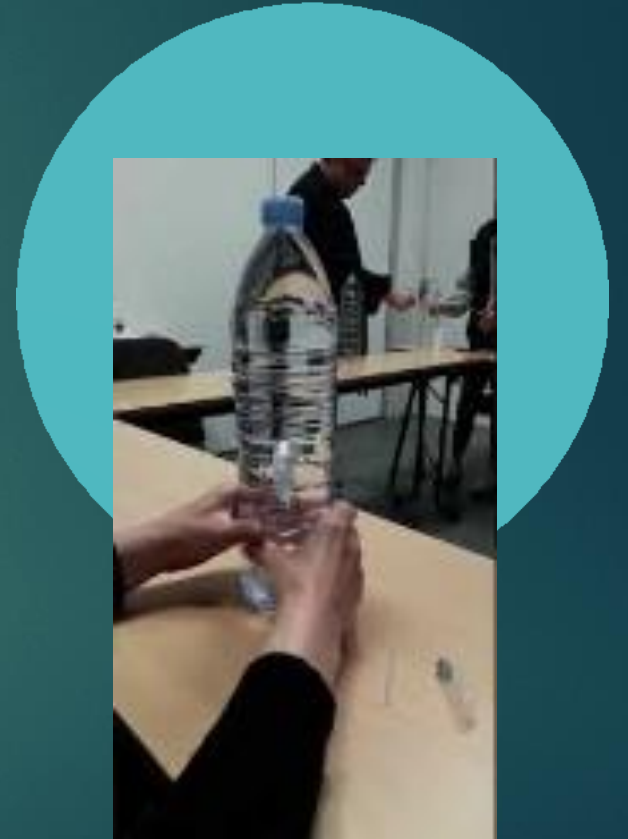
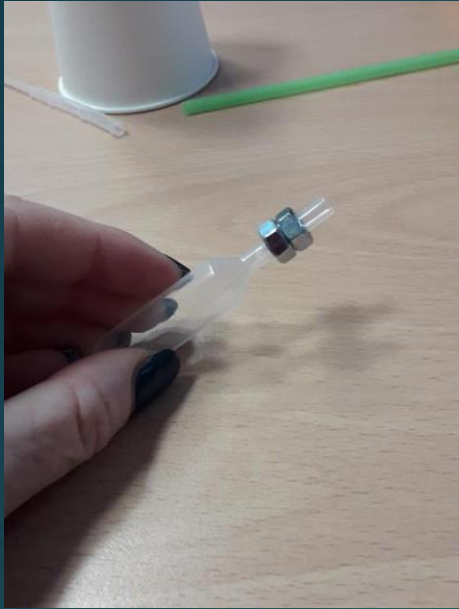
<https://scratch.mit.edu/>



Stomachion

- Colora, taglia e crea le forme mostrate nelle immagini fornite (ricombinando le forme già tagliate)

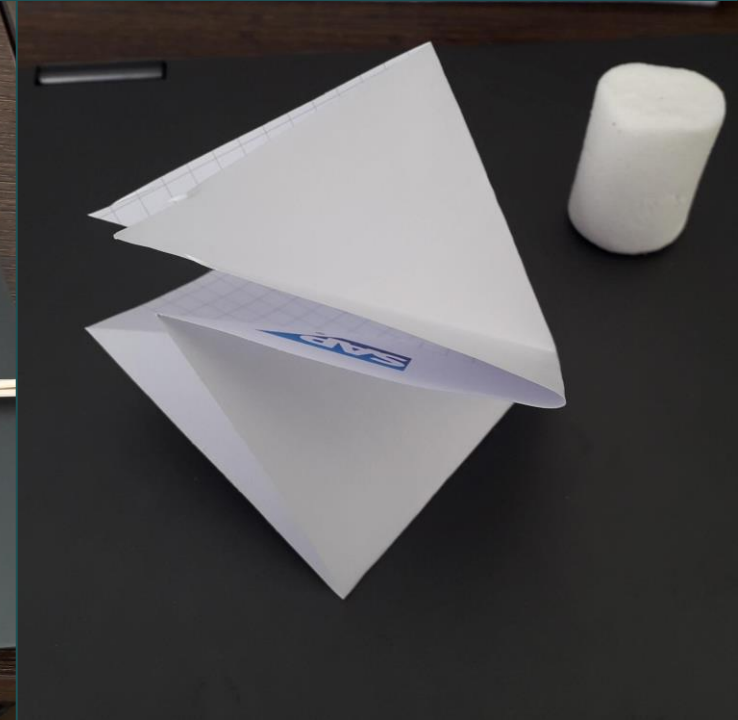
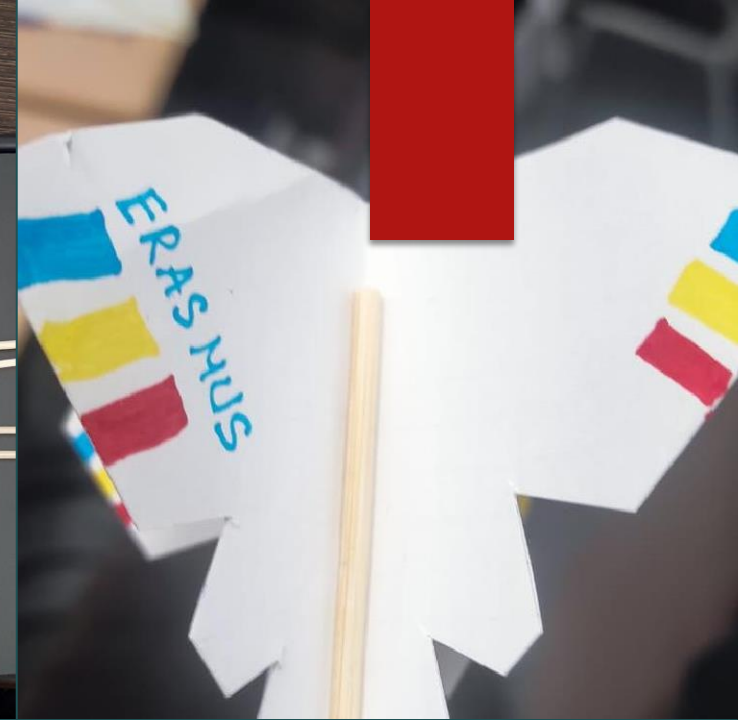
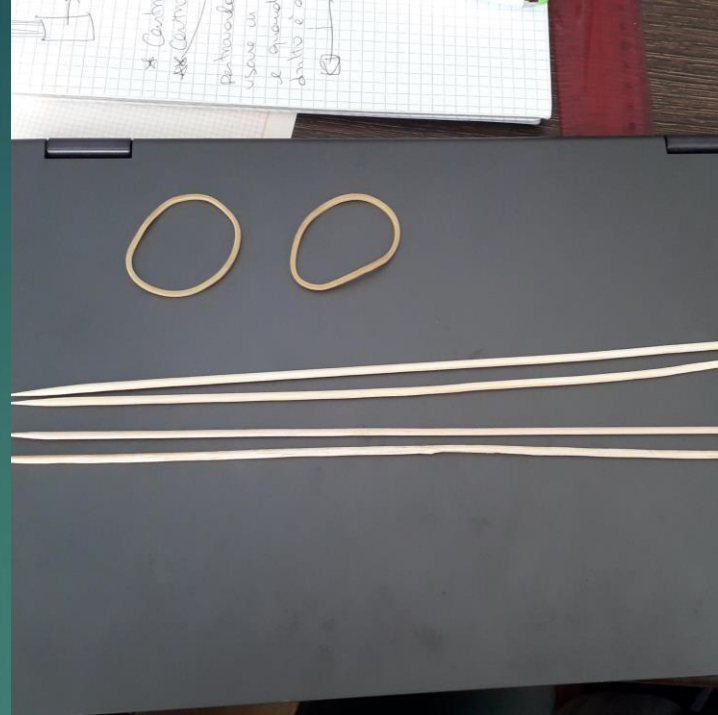




Diavoletto di Cartesio

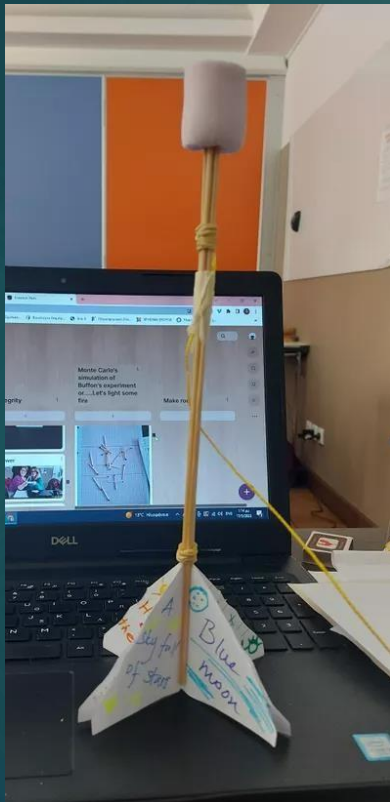
Costruzione di un razzo

- ▶ Prendi 4 stecchini di legno da spiedino e due elastici per legarli tra loro. Sulla punta infilza un marshmallow.
- ▶ Con un foglio di carta crea la coda del razzo, infilandola tra gli stecchini e decorandola a piacere.



Prove di volo

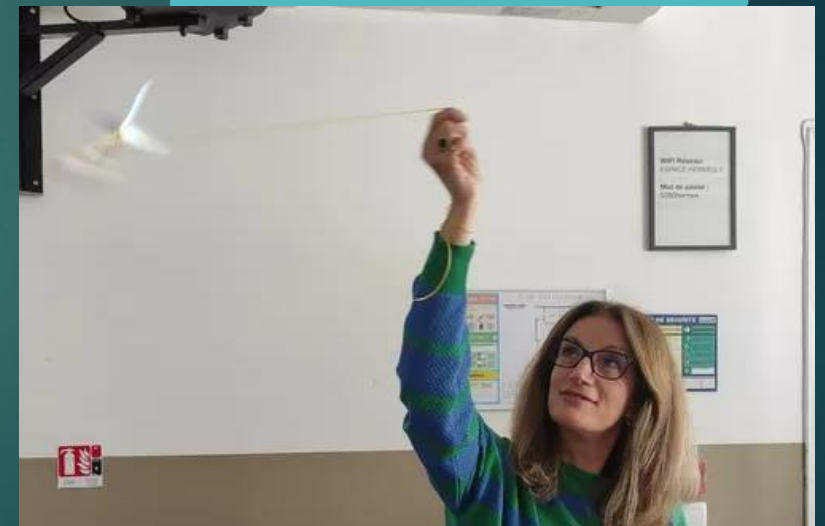
Assemblaggio



Bilanciamento per trovare il baricentro



Rotazione e prova di stabilità





E infine..la
gara!