

# STEAM

HAVING FUN WITH  
SCIENCE, TECHNOLOGY,  
ENGLISH, ART AND MATHS

**6-10 GIUGNO**

**ORE 9.00-12.00**

**PRESSO LA SCUOLA  
PRIMARIA BELLINI**

**Corso riservato agli  
alunni delle classi  
quarte  
dell'I.C. 2 Nord di  
Sassuolo**

Teachers:

Cristina Gaiotto  
Monica Fogliani

**Iscrizioni entro il**

**7 Maggio 2022**

compilando il modulo di pre-adesione

# STEAM

Having fun with  
Science, Technology, English, Art and  
Math

6-10 Giugno Scuola G.Bellini  
Alunni delle classi quarte  
dell'I.c.2 Nord di Sassuolo



**AMBASSADOR**

# SCIENTIX

The community for science  
education in Europe



## European Schoolnet

Scientix has received funding from the European Union's H2020 research and innovation programme – project Scientix 4 (Grant agreement N. 101000063) coordinated by European Schoolnet (EUN). The content of the presentation is the sole responsibility of the presenter and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained

# Monday

- In the garden: name games, games to break the ice, and form teams
- in the classroom: video, and games about minerals







**Tuesday, a busy day in Modena**



# Minerals Museum

## Museo Gemma











Visiting UNIMORE GEMMA Museum  
in Modena  
we admired the mineral collection,  
and we saw our first meteorites!





Touching,  
and feeling  
the rocks





Prof. Marco M Coltellacci gave us a lecture about minerals, how to distinguish rocks from minerals. He talked about the nature of the Mineral collection of Gemma Museum. Some of the mineral samples come from the prestigious Este collection!





Often minerals have regular geometric structure.

The **diamond** is the hardest mineral, it has a regular crystal structure.

The skillful jeweller is able to shape, and polish the diamond so that its multiple sides are highlighted.

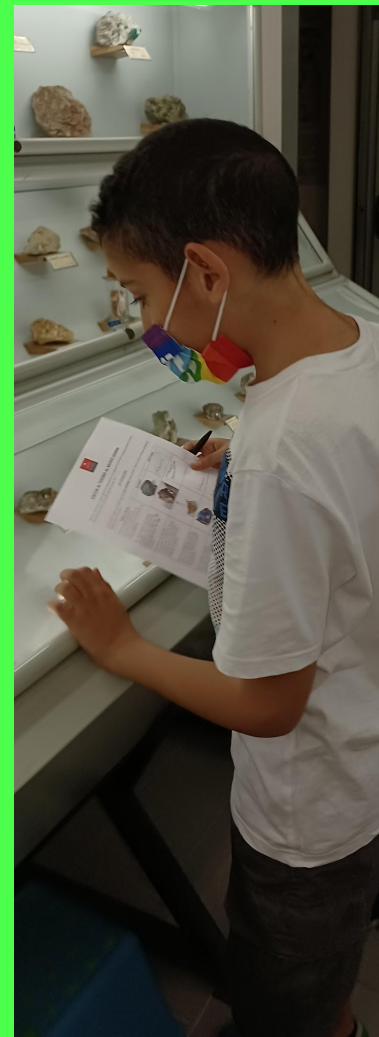








Learning to  
recognize  
minerals

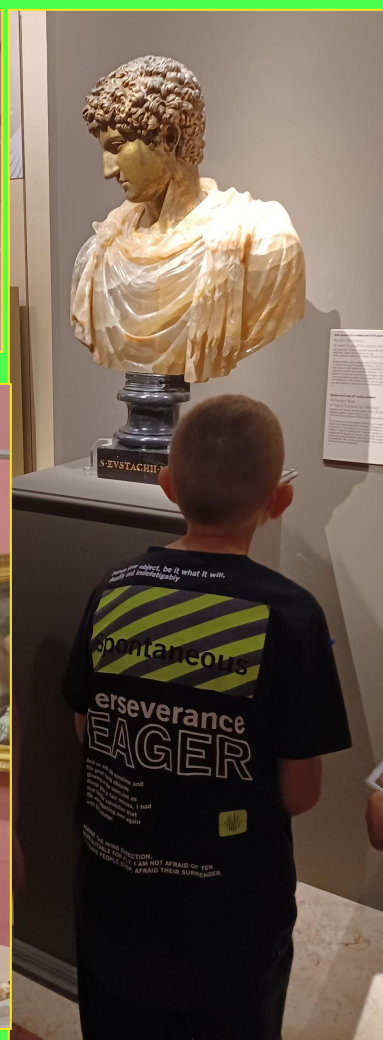




Galleria Estense

Art and minerals

Here we played a  
Treasure hunt divided  
in two teams, we had  
to look for jewels and  
mineral elements  
present in the work of  
arts of the Gallery



# Learning to read paintings, and work of arts

Here is the painting of the only Italian woman who being married to James II of Stuart, sat on the British throne from 1685-1688. Maria Beatrice d'Este (Mary of Modena). Look carefully  
Can you see any jewels?  
are they made out of minerals?





Teacher Monica gave us a lecture about how to read symbols in work of arts



# WEDNESDAY

Colours and paint inspired by the Eric Carle video "I SEE A SONG"

















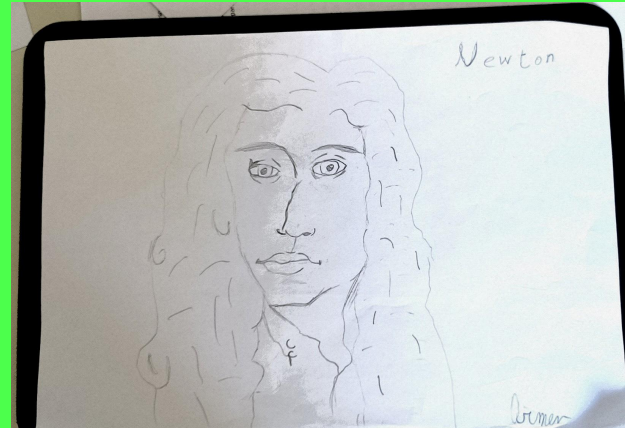


# THURSDAY

The greatest scientist of the 17th century Newton: miming the apple story

A little action play.

A Newton portrait by our student ARMEN



# Newton wheel

Measuring angles, observing colours, and light effects





Practicing the best way to turn the Newton wheel!



**Friday**

genetic detectives extract  
DNA from banana pieces





## Instructions:

- mash a piece of banana in a bowl;
- put some salt and liquid detergent in a glass of warm water;





- Mix the mashed banana with the water solution really well;
- Filter the solution through a sieve;





It 's difficult, but together we can make it!



We love working in teams!

- Pour some alcohol into the glass;
- add some pineapple juice;
- With a skewer pick out the white strands which look like cotton.







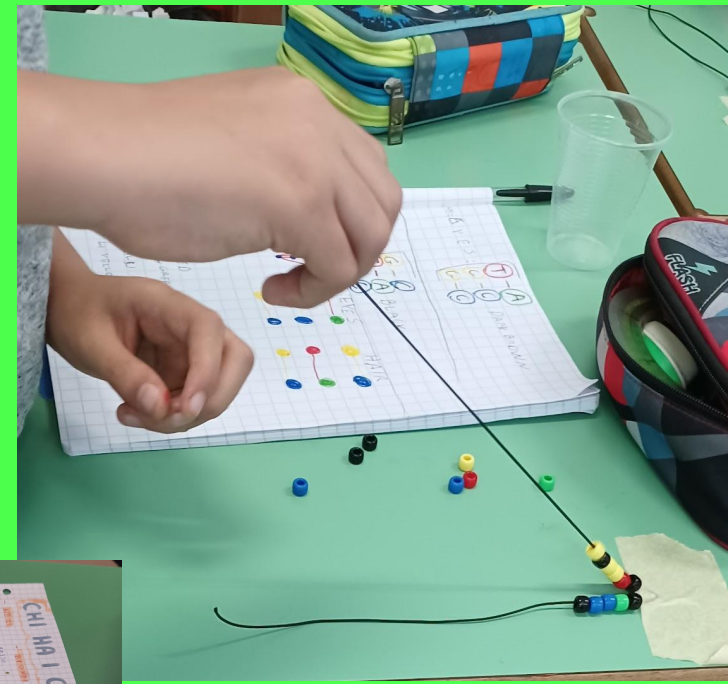
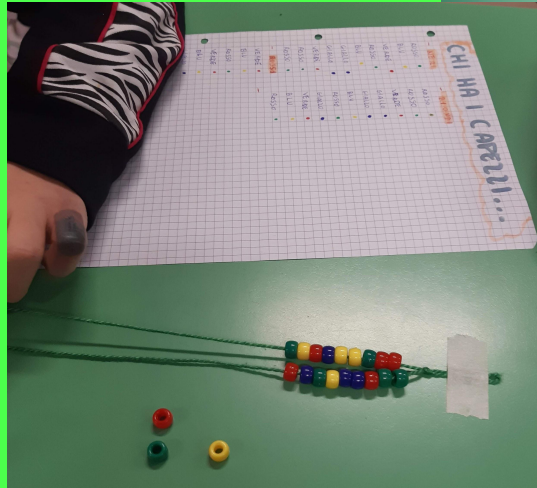
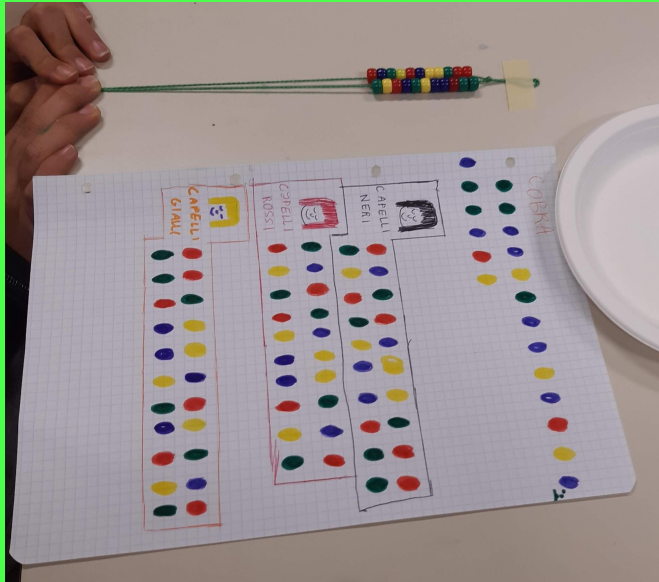
**MISSION  
ACCOMPLISHED: THIS IS  
OUR BANANA DNA!!!**





# Making bracelets with our DNA:

- picking the sequence of our hair, and eyes colour;
- choosing the right coloured beads,
- pairing the beads while threading them in the stretch cord.









# STEAM WEEK:

- new friends
- funny games
- experiments
- exploring museums
- Art and Minerals experts
- arts and crafts

# SEE YOU NEXT YEAR!

Cristina Gaiotto and Monica Fogliani