

# Around the world... Again!

Issue 1

2021-2022



## The project



The project "Around the world... Again!" implemented during the school year 2021-2022. The central idea of the project is based on Jules Verne's classic literary work "Around the World in 80 Days" and deals with a journey around the world past and present, guided by STEM actions.

Starting from the modern era, elements emerge that lead our students on a wonderful journey to different countries and cultures, learning about old and new inventions and discoveries.

In particular, almost 150 years ago, Fileas Fogg sent a letter to Mr. John, the man who made the chest he took with him on his legendary journey around the world, to thank him for his prompt response to his request for a such a nice and durable chest!

Finn, a distant relative of Mr John, discovers this letter and, fascinated by the great story of Filea Fogg who managed to travel the world in just 80 days, wants to know more ... How? .... where; .... never; .... why; .... are some of the questions that arise and require answers ...

During his research he discovers some clues that will illuminate several aspects of the well-known adventure....

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## The partner schools

The project was implemented with the cooperation of 8 schools from Greece and Poland, namely: 1st Liti's Kindergarten, Kindergarten No.226 Poland, Szkoła Podstawowa nr 16 im. Tony Halika,

Poland, 1st Kindergarten of Prosotsani, 31st Kindergarten of Thessaloniki (2nd section), Kindergarten of Piperia, Kindergarten of Chrysavgi and 4th Kindergarten of Kilkis.

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## Organization of the program

The program was structured in such a way that there is close cooperation both in the preparation of the material and the actions, as well as in the implementation of the missions and activities that were planned for each unit.

Specifically, groups were initially created depending on the subject they would like to focus on, which researched and collaborated to gather and present the material of each section.

The schools then worked in groups to solve the riddle and complete the tasks assigned to them. In this way there was a constant cooperation, horizontally and vertically,

between all teachers alternately. Alongside

all sections of the project were worked on in the classroom by all the teachers.

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## The story...

A message arrived one day in all the partner schools ... His sender was Finn, a distant descendant of Mr John, the man who made the chest with which his friend and cousin File Fogg traveled around the world in just 80 days! Finn asked for our help in order to find out more about this trip and the countries that Fileas Fogg visited!

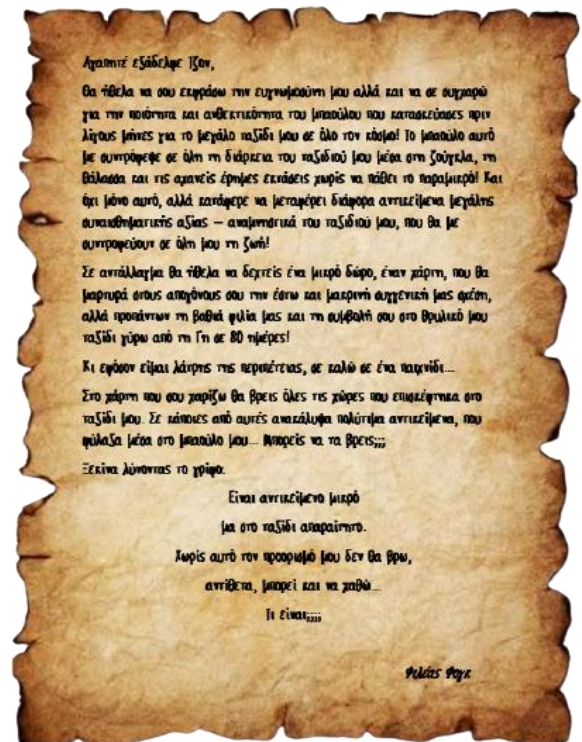


We took action immediately! We hurried to get to know the story of Fileas Fogg through the famous book by Jules Verne and to focus on the countries he went through creating an interactive map!

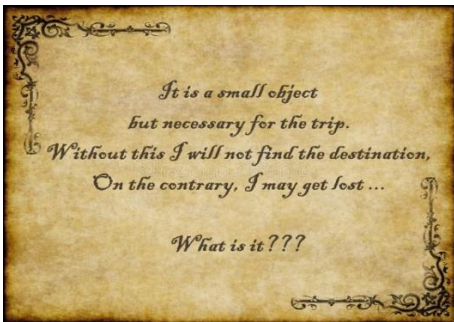


## The adventure begins ...

A second message arrived in our schools from Finn! He discovered among the things of Mr John's great-great-grandfather a map and a letter, which contained a riddle ...



# 1st riddle



As soon as we received the 1st riddle we immediately tried to solve it ... We thought, we cooperated and finally we succeeded! The solution to the riddle was ... the compass!

So, we got to know the compass and its use, we learned about its history, we carried out activities and orientation games, we made compasses...

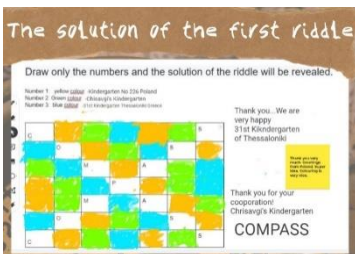
And finally, we implemented 4 missions in school

1. We made a model of our school neighborhood and found the location of the neighboring buildings with the help of the 4 points of the horizon.

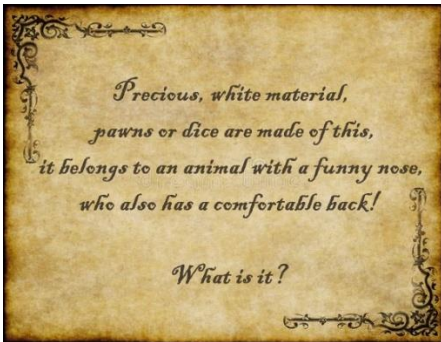
2. We made compasses that helped us orient ourselves and find the location of the other schools on the map.

3. We found the geographical location of the players of 2 football teams having as reference point the center of the field.

4. We guided our floor robots by giving them instructions based on the 4 points of the horizon and we created our own fantastic story!



# 2nd riddle



A few days later Finn sent us the 2nd riddle, for the solution of which he asked for our help again ... So we thought, again, we cooperated and found the solution ... the ivory !!!

We attended the presentation prepared for everyone by the working group and learned a lot about elephants and their tusks, their illegal hunting and their valuables.

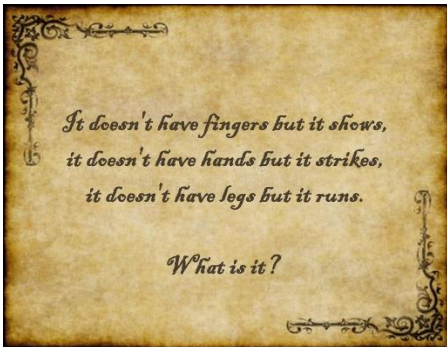
ivory items ... We got to know the elephant as a means of transportation and named the modern means of transport, we made and experimented with them! And finally, we implemented 4 missions in school couples:

2. We played chess and bingo online using digital dice and chess pieces and not real ivory.
3. We got to know the legendary Orient Express and how it travels with steam and then we composed a beautiful story about a trip.
4. We used the power of heat to build a hot air balloon and the power of air to build a sailing ship.

1. We planned to send a group of elephants from one zoo to another, choosing the most suitable and fastest means of transportation.



# 3rd riddle



After solving the second riddle followed the 3rd riddle. His solution revealed the most valuable item that Fileas Fogg had with him on his legendary journey and was nothing more than a watch. The collaborative solution

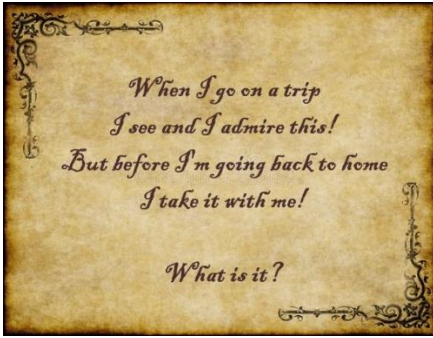
of the riddle was implemented utilizing a table. This was followed by the presentation of the article which included a wealth of information about the history of the invention, ways of measuring time used

by man from the beginning of history, types of watches he made, how they work as well as famous watches - monuments of the world. The children got acquainted with the different types of watches and made their own watches with their bodies as well as conventional classroom material, played and learned collaboratively in synchronous and asynchronous online meetings. The missions we implemented per pair of schools concerned:

1. A game for children to understand that time is not the same all over the world, but depends on the rotation of the earth.
2. A game in which alternately they had to represent movements that corresponded to different times of the day.
3. Creating sundials with shadows from their bodies at different times of the day.
4. Making clocks for learning the time.



# 4th riddle



The children anxiously awaited the 4th riddle from Finn. Finally one morning he sent it to us and we immediately with our friends through the cooperation found the solution of the riddle which was the monument of Taj Mahal of India!

We got to know famous monuments and buildings of the world, the history of architecture and we learned what souvenirs represent. We met different types of houses and became small architects designing our own

our buildings, bridges etc.

Finally, we implemented 4 missions in school couples:

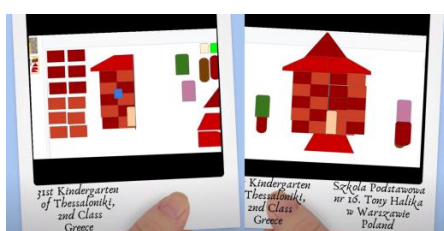
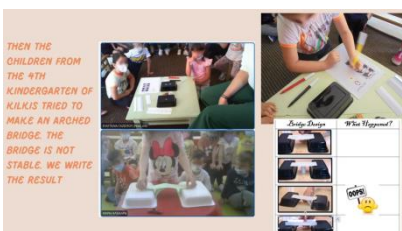
1. We guided the floor robot by ordering it to go to the monument each time depending on the country from which it comes with a reference point of the country flag.

2. We collaborated and did an experiment. We tried to build a stable bridge with materials we had in class.

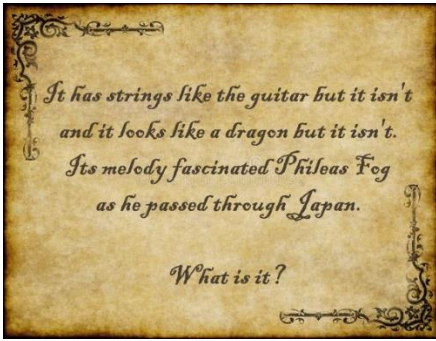
3. We became small architects and created our own monuments with different materials.

4. Using shapes we collaboratively built an online home

5. Extra shipment for all groups: we printed monuments in the 3D printer.

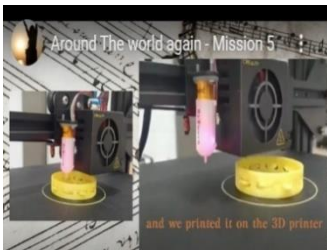


# 5<sup>th</sup> riddle



The 5th and last object we riddle has reached discovered... the our schools. Finn koto, a souvenir was asking for our musical instrument from Japan. The help for the last time! The working group We gladly responded to this challenge, we prepared the collaborated and presentation and we solved the riddle. The traveled to the wonderful world of music, knowing musi

instruments, starting riddles for musical with the hen, which instruments. One impressed the school sent a riddle to the children perhaps its partner, we solved because its shape the riddle and made resembles a dragon. the musical We learned about the instrument. Schools history of musical with 3D printers instruments, their printed the categories: string instruments. And it's instruments, wind time for the party !!! and percussion We orchestrated two instruments, we got songs with the know the instruments musical instruments of the orchestra and we made in the last their position, we section of the played musical games, program. These songs we made musical emerged through a instruments. Our last vote that was created. mission, common to The meeting took all the collaborating place on the schools, was a twinspace platform. surprise. Schools in pairs we prepared

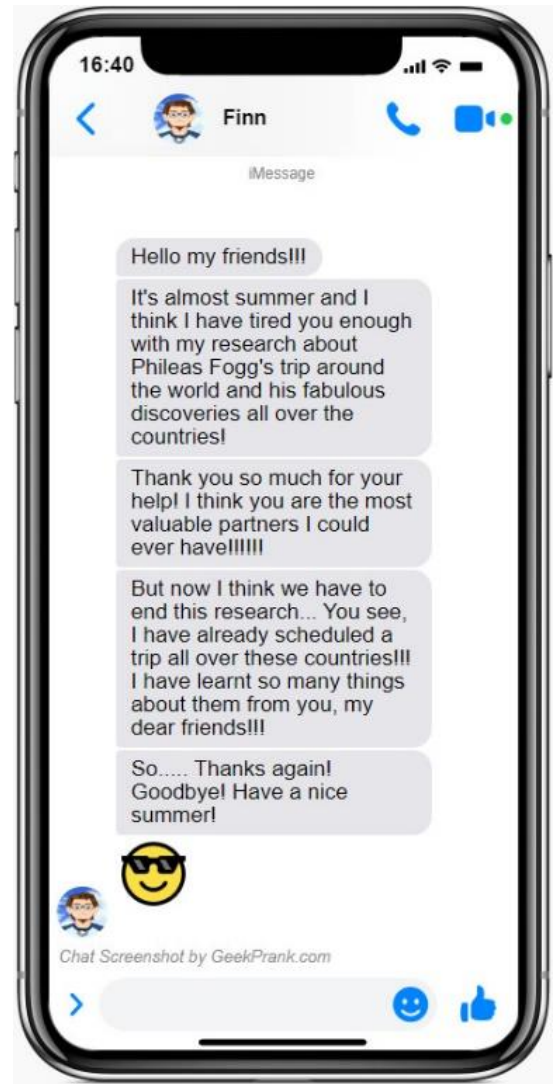




# The end of our mission...

On the day of the party, Finn contacted us again, this time with a text message, to thank us and say goodbye! He learned, he told us, a lot thanks to our help, so now he is leaving for a big trip to all the countries that Fileas Fogg had traveled in the past!!!

He also sent us a souvenir that will testify to our participation and contribution to this great journey of knowledge in the past and present!!!



Goodbye Finn! Have a nice trip!!!



# THE END