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WORKSHOP TITLE: POMPEII'S FIRE VOLCANO!

Justification:

On this activity, the students will learn more about Pompeii's volcano explosion and they will recreate it. In this way, they are working on science, history and arts at the same time. Their final product will be a handmade volcano with its eruption!

Materials needed:

-Brown play-dough

-A little pot

-Cardboard cone

-A spoon

-A base (better if its waterproof)

-Scissors

-Bicarbonate

-Vinegar

Resources created by Spanish Team:

- Video: <https://youtu.be/L54bSagXUvk>

Time and location:

This activity would take 30-45 minutes, more or less (In case that the base of the volcano is not done). The place where it would take place is a class or a lab, the one it's more accessible.

Procedure:

First, watch the video and make groups of 5-6 people. Then create the volcano following the next steps:

Step 1: Wrap the cardboard cone with the clay, making a volcano shape.

Step 2: When the shape is done, put two tablespoons of bicarbonate on the pot.

Step 3: Once that step is completed, add the glass of vinegar to the mixture.

Step 5: Now, just enjoy the impressive reaction that the volcano will do!

Other relevant information:

In step 1, make sure the pot is inside the cone.



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Authors and date of creation

| | |
|--|-----------------|
| Míriam Vico, Sara Delmás, Daniela Guerrero, Nerea Carmona, Carla Bertran | Date: 4/12/2020 |
|--|-----------------|



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WORKSHOP TITLE:

Justification:

The objective of this workshop is to let the students learn facts about fire and the importance of it. We think with a board game it's a good way to do it because they could enjoy while they learn.

Materials needed:

| | |
|--|---|
| - Board - A computer with the Questions and Answers (PDF documents) | - 5 bottles caps as the piece of each team. - Dice |
|--|---|

Resources created by Spanish Team:

- Board:
<https://drive.google.com/file/d/1Z6-fAdN3xGsOvBzr5KwNPMMyB7Eoflmi5/view?usp=sharing>
- Questions and answers PDF:
https://drive.google.com/drive/folders/12vN5RwsZG4R0xV5lmr3j_3G2uCU-cyMf?usp=sharing

Time and location:

The workshop should take place in a classroom and it would take between 20-30 minutes.



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Procedure:

Step1: Make 5 teams, each team should have one bottle cap as her piece. One teacher (or student if the teacher can't) should be the responsible to read the answers in loud and make the game go on.

Step2: With the dice decide which team is the first to roll the dice. Then this team would move and depending on the color of the square they would have to answer questions of that term. If the answer is correct nothing happens but if it's incorrect they would have to move back one square.

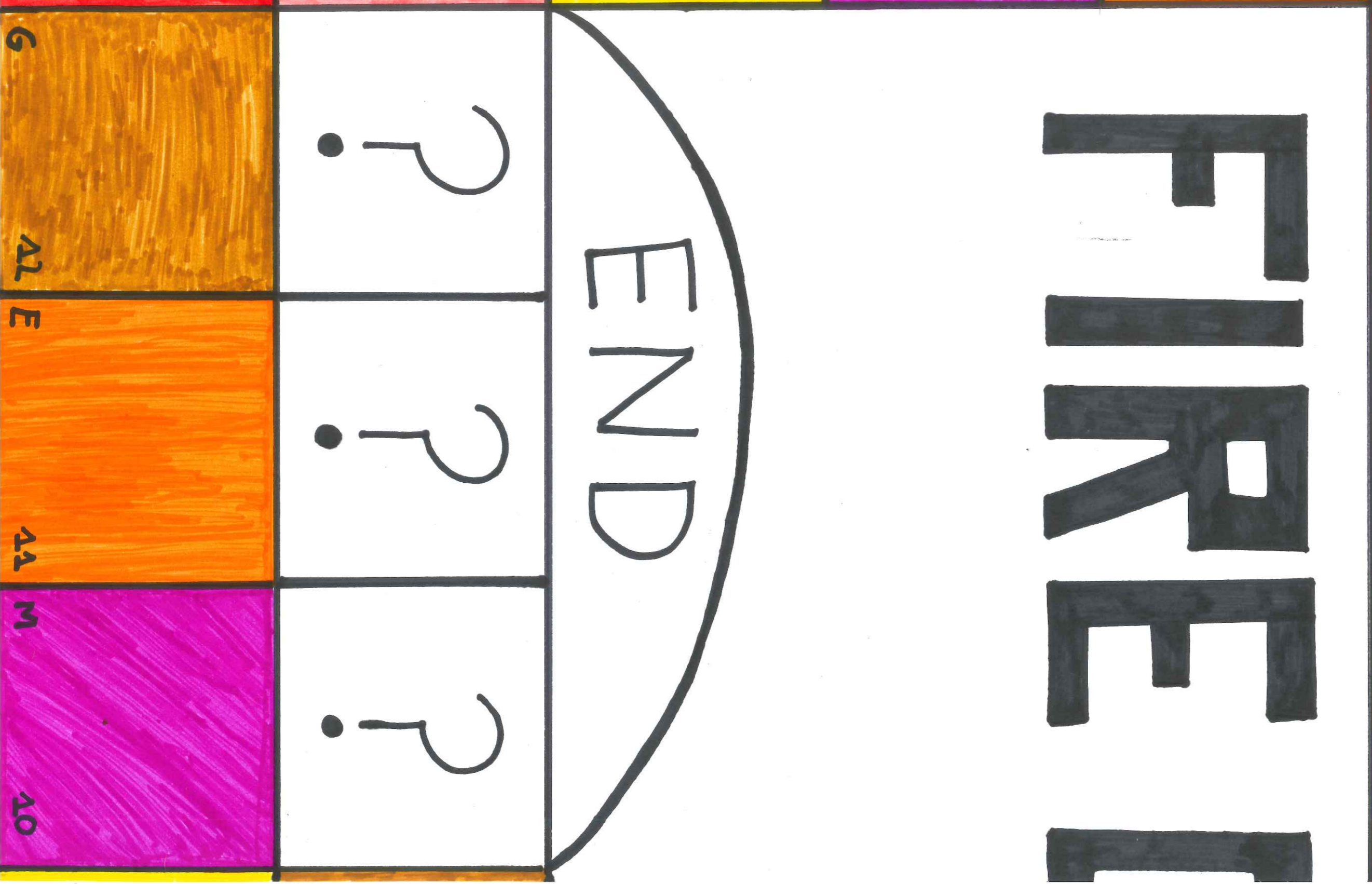
Step3: They repeat this as many turns as it's necessary and when they reach the last three squares (that are in white), they will have to choose one term for each square and answer the questions correctly in a row. They will have one attempt and if they answer wrong they will have to wait and repeat this step again when their turn arrives. If they answer the three questions correctly they would win!!!

Other relevant information:

Be careful to not see the answers. It's important to be patient and wait for your turn.

Authors and date of creation

| | | |
|----------------|------------------|------------------|
| Núria Moré | Laia Mercader | Rebeca Sánchez |
| Mélany Sanchez | Judith Rodriguez | Date: 08.12.2020 |



START

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| M | 22 | E | 23 | G | 24 | A | 1 |
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| A | 25 | S | 2 |
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| A | 7 | G | 6 |
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10112

- ARTISTIC
- SCIENTIFIC
- HISTORIC
- MUSIC
- ENTERTAINMENT
- GEOGRAPHIC

| | | | | | | | |
|---|----|---|----|---|---|---|---|
| G | 30 | E | 29 | H | 9 | S | 8 |
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WORKSHOP TITLE: The hell

Justification:

Our objective is to make that people have some fun playing our game. We think that it will be a way to move their body and have a good time. The final product will be a funny game that will have a relation with fire and will make people run and do some physical exercise.

Materials needed:

| | |
|--|---------|
| - A ball - The football pitch of the school | - Cones |
|--|---------|

Resources created by Spanish Team:

- Video: <https://www.youtube.com/watch?v=d1dui8aY1s0>

Time and location:

The workshop must take place in some place like the football pitch of the school or the sand pitch of the pavilion. Every game can take between 10-15 minutes, but we can play some times to have the revenge, for example.

Procedure:

Step1: First we make two teams.
Step2: All the players go to the bottom of their part of pitch, we put the ball on the middle and we count 3. Then all them run to the ball and the first person who catch the ball start "killing".
Step3: For continuing the game, they have to follow this rules: If you have the ball in your hands, you must be without moving himself and "kill" someone or pass the ball to one of your teammates. If someone "kills" you, you must go behind the enemy camp (the place called the hell) where you could catch balls and "kill" your enemies. If you are "dead" and you "kill" some enemy you revive. You can't have the ball on your hands during more than 5 seconds or you will get burned and you die.
Step4: The game ends when all the members of a team are "dead".

Other relevant information:

At the beginning of the game, one voluntary of each team have to go to the hell.

Authors and date of creation

| | |
|--|-----------------|
| Alvaro-Yuam Guzmán, Josep Vaquer, Alex Bernabé i Adam Rodríguez. | Date: 1-12-2020 |
|--|-----------------|



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WORKSHOP TITLE: PROMETHEUS'S HISTORY

Justification:

The workshop is about the myth of Prometheus. Some posters will be distributed by the school and the children who are doing the workshop will have to find all the posters that have the necessary information to make a kahoot.

Materials needed:

- Posters
- Computer o mobile phones

-
-

Resources created by Spanish Team:

- Kahoot <https://kahoot.prometheus>
- Documents to be printed: Posters.

Time and location:

The places that we will need are the whole school (to share out the posters) and one class to do the kahoot.

The workshop in total will last around 15-20 minutes.

Procedure:

Step1:

First we will explain what the workshop consists of, we will say that the posters and all the necessary information are distributed by the Institute and they will have to look for it in less than 10 minutes

Step2:

At the end of the time, they must enter a kahoot and they will have to answer the questions that there are and that are related to the information given in the posters.

Other relevant information:

Authors and date of creation

Nil Bertrams, Joan Cabrera, Laura Ejarque, Artau Llobet i Camila Siles

Date: 24/11/20 - 8/11/20



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Prometheus's history:

Prometheus was a titan. He was a friend of humans, and it was this titan who provided fire to humans. The fire was only reserved for Gods, so Zeus got angry with him, and he punished Prometheus for the whole eternity.

Prometheus had a brother, who was called Epimetheus, and together they created the whole humanity. His brother created the animals, and he gave them characteristics to make their survival easier. Prometheus wanted to create a greater living thing, so he asked for help to Athenea. Prometheus provided humans the capacity of building and thinking by themselves. He also gave them enough knowledge to domesticate animals, to harvest and the ability of making fire.

Zeus got angry with Prometheus because fire was reserved for Gods. However, humans had improved their way of living thanks to the fire, so Zeus took advantage of it and asked them for donations.

Prometheus wasn't happy about what Zeus was doing and Prometheus offered himself to prepare two dishes: one looked attractive, but it was only bones camouflaged by ox fur. The other dish was ox meat, covered with fat, but it looked horrible. Prometheus made Zeus choose, so he chose the most attractive dish. Zeus got angry because of the trick, and took away the fire from humans.

Then, Prometheus stole the fire from Mount Olympus to give it back to humans. To punish him, Zeus gave Prometheus the first woman: Pandora. The titan rejected the gift and donated it to his brother. Pandora gave Epimetheus a jar; he opened it and misfortunes and tragedies escaped from the jar.

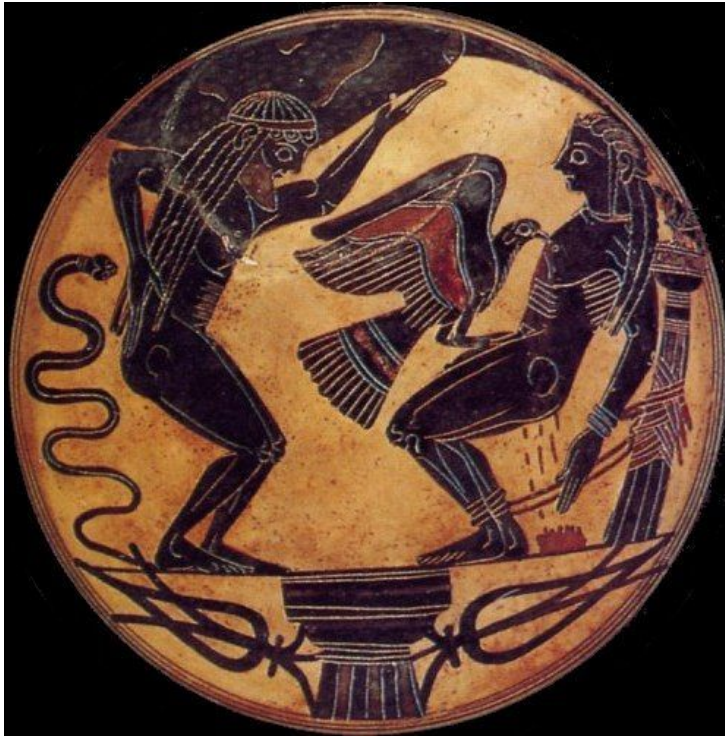
Zeus was afraid of the idea that Prometheus told everyone what he had done. If someone knew that Zeus had sent this type of box to somebody, he would be rejected from Mount Olympus. So he locked up Prometheus, and tortured him for the rest of humanity: Zeus chained Prometheus in a rock, and released an eagle in the place where the titan was locked up. This eagle ate the liver of Prometheus without killing him, torturing him for a long long time, until Heracles rescued him.



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Chained Prometheus. Black figures Amphora. S.VI b.C.

The Chained Prometheus story was written by Aeschylus, who was a popular tragedian in the Ancient Greece. In those times, tragedies were represented in theatres and also in amphoras, where Greeks did drawings that illustrated the stories. This is an amphora with a scene of the Prometheus tragedy represented on it.



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Nicolas Sébastien Adam, Chained Prometheus (detail), 1762

During the Renaissance, the Greek culture was an inspirational source for all the artists from that period and all the paintings and sculptures reflect Ancient Greece's legends and tragedies. One example is this sculpture from the Chained Prometheus's tragedy, in which you can see Prometheus with an eagle over him eating his liver and stabbing him with her claws.



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Herakles liberates Prometheus. Relief from the Aphrodisias 150 b.C.

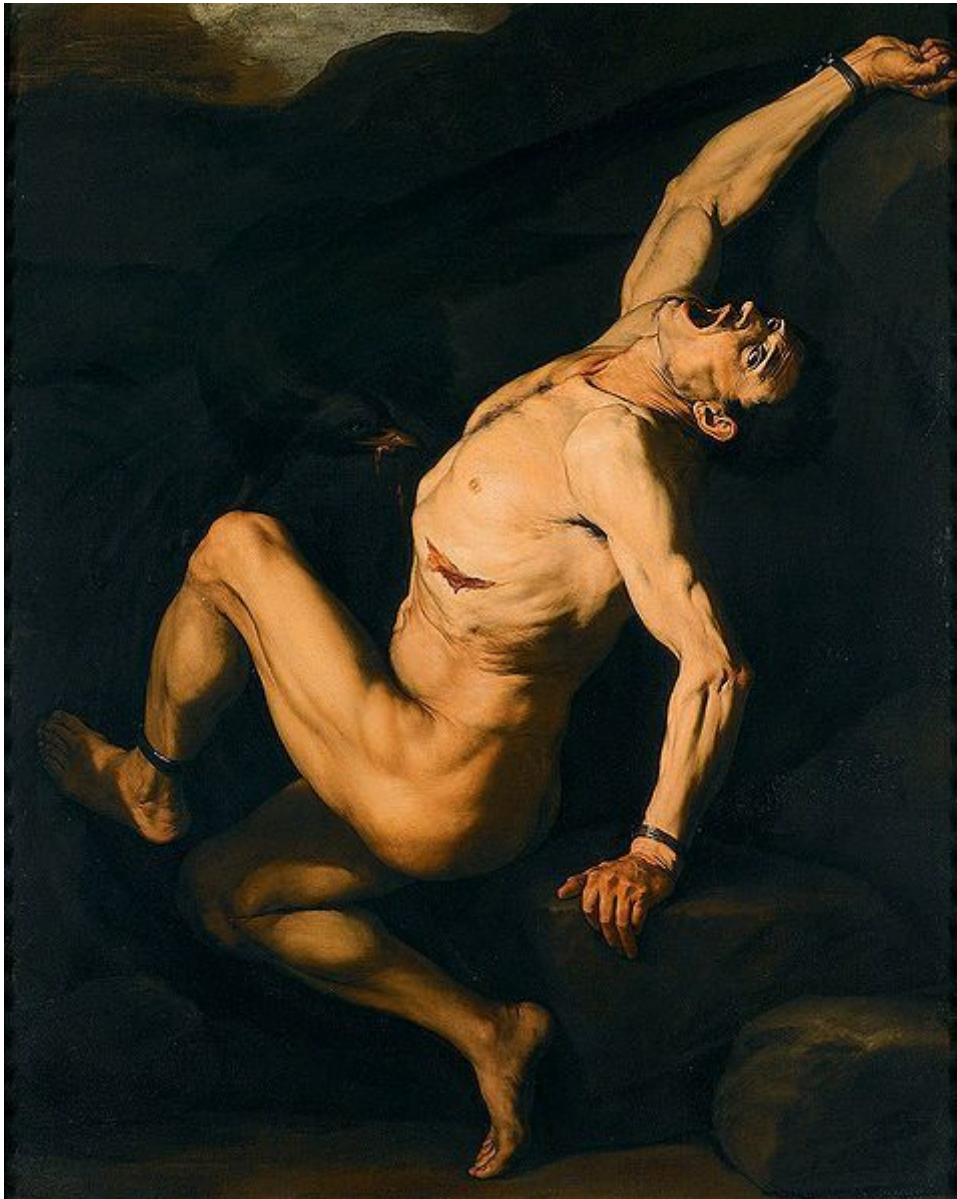
During Ancient Greece's times sculptures were a common way to represent mythological events or characters. In this scene, Herakles is liberating Prometheus from the eagle that had him as a prisoner.



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Prometheus. José Ribera, 1612

In this scene we can see Prometheus with the bird eating a part of him. also we can appreciate that Prometheus is chained. These picture was also done in those times where ancient greece's philosophy regained lot of popularity.



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Prometheus and Epimetheus (in this order)



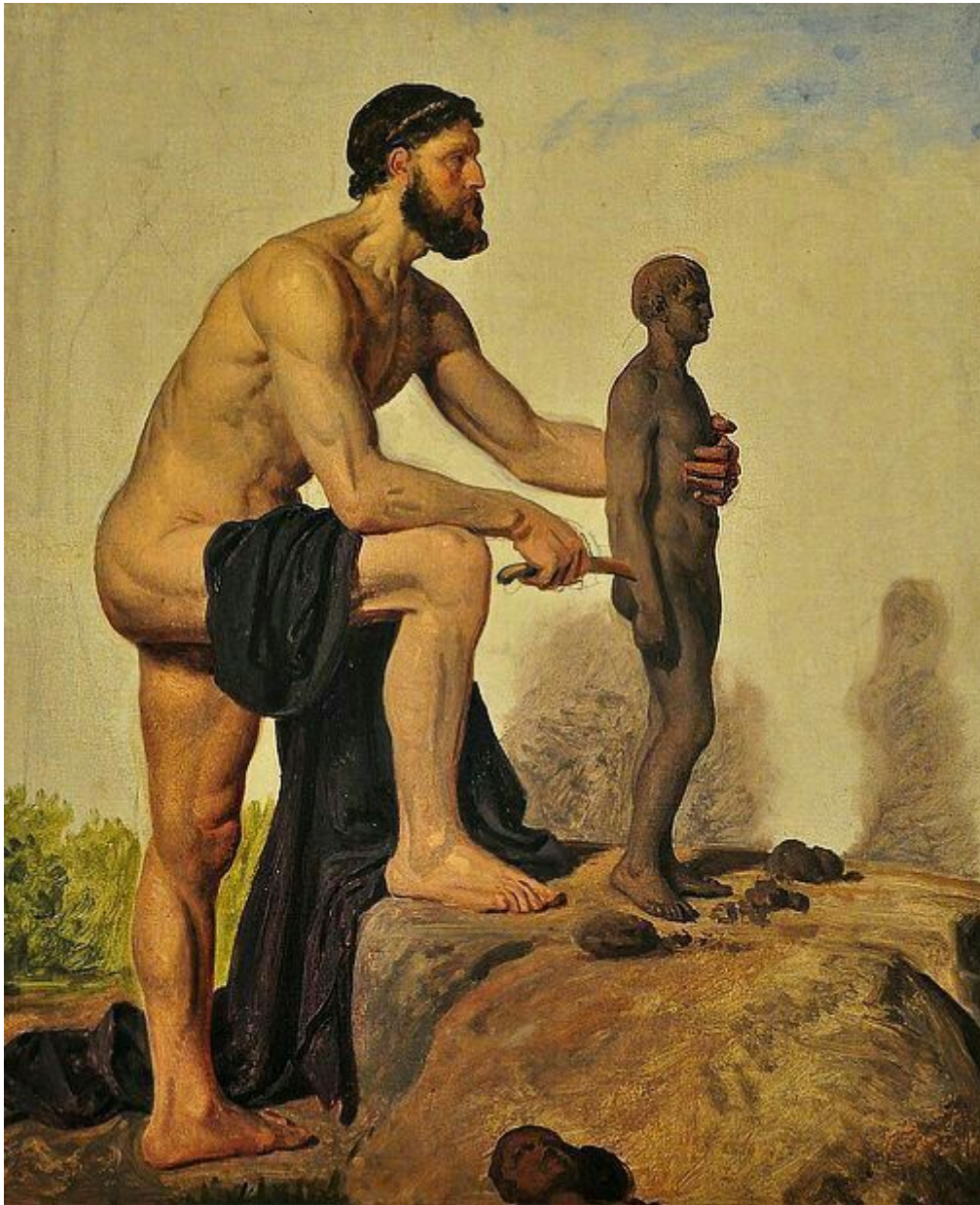
Prometheus stealing the fire from Mount Olympus



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Prometheus creating the human from clay. Constantin Hansel, 1845

Considered the creator of human, Constantine Hansel made a painting that represents it, using more modern techniques than the ones that artists used in the past.



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Prometheus tricking Zeus

KAHOOT QUESTIONS

1. Who was Prometheus?

- a. A titan
- b. A God
- c. A human
- d. An animal

2. Who created the animals?

- a. Prometheus
- b. Zeus
- c. Epimetheus
- d. Pandora



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3. Which was the most important creation?

- a. Lions
- b. Humans
- c. Eagles
- d. Elephants

4. Why did Zeus get angry the first time?

- a. Because Prometheus gave the fire to the animals
- b. Because Prometheus gave the fire to the humans
- c. Because Prometheus stole the fire from the Gods
- d. Because Prometheus eliminated all the fire of the universe

5. Which dish did Prometheus use to trick Zeus?

- a. Beef
- b. Ox
- c. Lobster
- d. Salmon

6. Which present did Zeus give to Prometheus?

- a. A box
- b. A piece of meat
- c. A jar
- d. A necklace

7. What did Prometheus do with the present?

- a. Give it to his brother
- b. Throw it to the bin
- c. Burn it
- d. Break it

8. Which punishment did Zeus give to Prometheus?

- a. Chop his head
- b. Take him to hell
- c. Cut off his arm
- d. Chain him to a rock

9. What was the animal that had Prometheus prisoned?

- a. Crow
- b. Eagle
- c. Wolf
- d. Tiger



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10. What was the eagle eating?

- a. Prometheus' liver
- b. Prometheus' lungs
- c. Prometheus' eyes
- d. Prometheus' arms



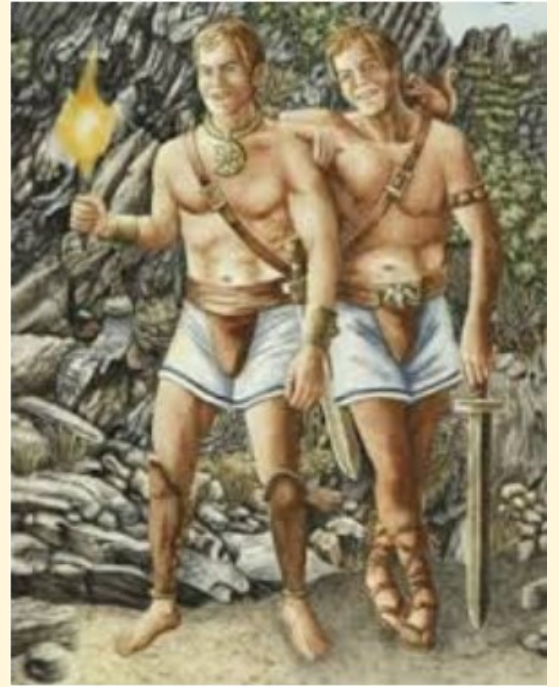
PROMETHEUS HISTORY

**HUMANITY
CREATOR**

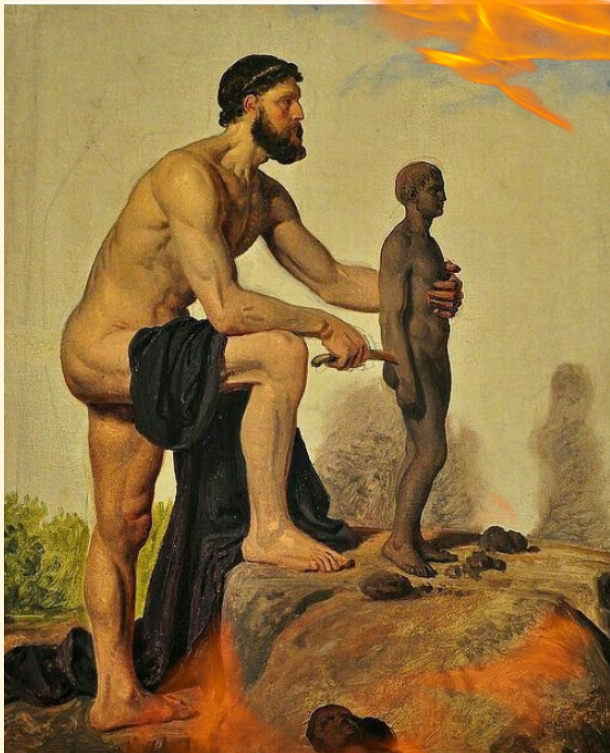
Prometheus was a titan. He was a friend of humans, and it was this titan who provided fire to humans. The fire was only reserved for Gods, so Zeus got angry with him, and he punished Prometheus for the whole eternity.



Prometheus had a brother, who was called Epimetheus, and together they created the whole humanity. His brother created the animals, and he gave them characteristics to make their survival easier. Prometheus wanted to create a greater living thing, so he asked for help to Atheneia. They created the humans.



Prometheus and Epimetheus (in this order)



Prometheus creating humans

Prometheus provided humans the capacity of building and thinking by themselves. He also gave them enough knowledge to domesticate animals, to harvest and the ability of making fire.

Zeus got angry with Prometheus because fire was reserved for Gods. However, humans had improved their way of living thanks to the fire, so Zeus took advantage of it and asked them for donations.

Prometheus wasn't happy about what Zeus was doing and Prometheus offered himself to prepare two dishes: one looked attractive, but it was only bones camouflaged by ox fur. The other dish was ox meat, covered with fat, but it looked horrible. Prometheus made Zeus choose, so he chose the most attractive dish. Zeus got angry because of the trick, and took away the fire from humans.



Zeus being tricked by Prometheus

Then, Prometheus stole the fire from Mount Olympus to give it back to humans. To punish him, Zeus gave Prometheus the first woman: Pandora.

The titan rejected the gift and donated it to his brother. Pandora gave Epimetheus a jar; he opened it and misfortunes and tragedies escaped from the jar.



Pandora's box

Zeus was afraid of the idea that Prometheus told everyone what he had done. If someone knew that Zeus had sent this type of box to somebody, he would be rejected from Mount Olympus.

So he locked up Prometheus, and tortured him for the rest of humanity: Zeus chained Prometheus in a rock, and released an eagle in the place where the titan was locked up. This eagle ate the liver of Prometheus without killing him, torturing him for a long long time, until Heracles rescued him.



Prometheus being tortured



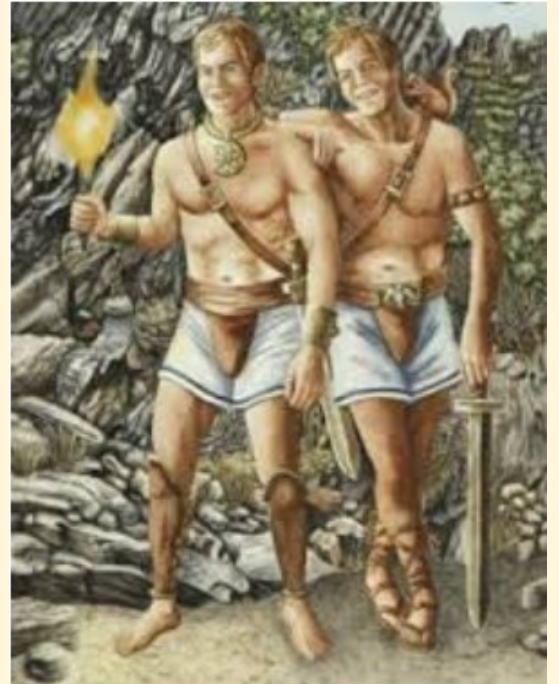
PROMETHEUS HISTORY

**HUMANITY
CREATOR**

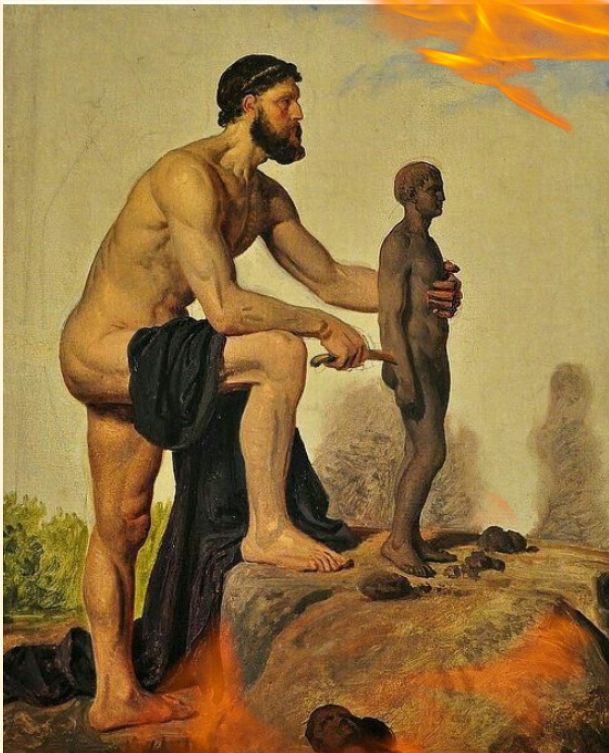
Prometheus is a titan, and gives fire to humans. The fire is only reserved for **Gods**, so Zeus gets angry with him. Zeus punishes Prometheus for all the eternity.



Prometheus has a brother.
His name is Epimetheus.
Epimetheus creates the animals.
Prometheus wants to create the
most important creation and
creates humans.



Prometheus and Epimetheus (in this order)



Prometheus creating humans

Prometheus creates humans.
Prometheus gives to humans
the ability to make fire.

Zeus is **angry** with Prometheus because fire is reserved for Gods, and Zeus takes fire from humans.

Prometheus is not happy with Zeus because he takes the fire from humans.

Prometheus prepares two **plates of food**: one looks attractive, but it does not have food inside. The other plate of food is not attractive, but inside it has lots of **ox meat**.

Zeus chooses the more attractive plate, and Zeus is angry with Prometheus because he lied.



Prometheus lies to Zeus

Prometheus takes the fire from Mount Olympus and gives it to humans.
Zeus gives Prometheus the first woman: Pandora.

Prometheus does not want the **gift** and gives it to his brother.

Pandora gives Epimetheus a **jar** and bad things escape from the jar.



Pandora's box

Zeus does not want Prometheus to tell anyone about Pandora.

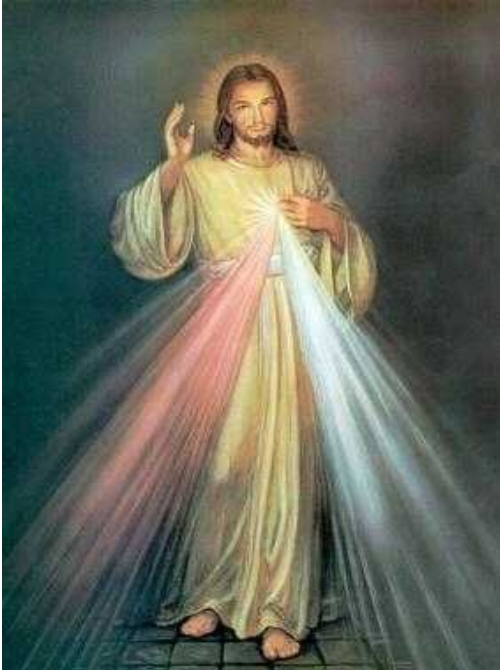
If someone knows that Zeus sent this jar, he would be out of Mount Olympus.

Zeus locks Prometheus, and tortures him forever: Zeus chains Prometheus in a rock and puts an **eagle** in the place where the titan is. This eagle eats the **liver** of Prometheus but not killing him.



Prometheus being tortured

GOD



ANGRY



**PLATE OF
FOOD**



OX



MEAT



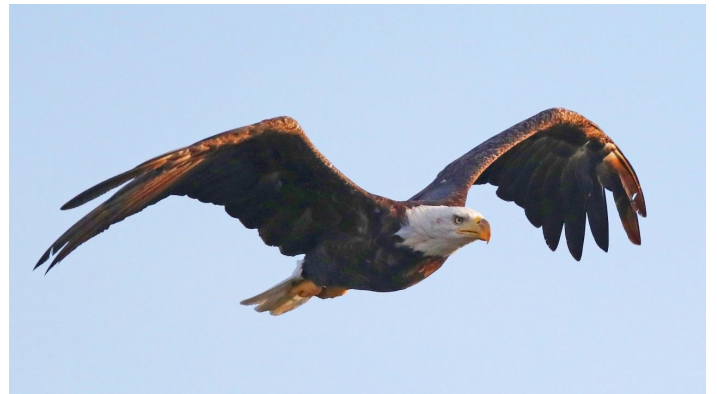
GIFT



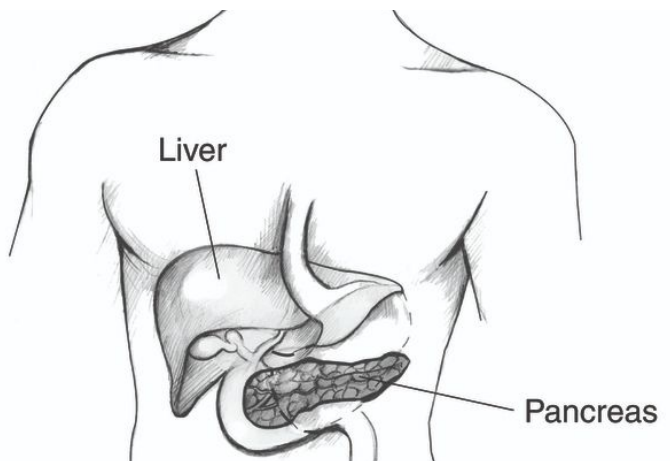
JAR



EAGLE



LIVER



PUNISH = CASTIGAR

LIE = MENTIR

LOCK = EMPRESONAR

CHAIN = ENCADENAR



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WORKSHOP TITLE: Dancing with fire

Justification:

Something more creative and active, an activity where you will have a lot of fun dancing with songs that talk about fire.

Materials needed:

- | | |
|--|----------------------|
| - Comfortable clothes - Good speakers | - Our video tutorial |
|--|----------------------|

Resources created by Spanish Team:

- Video tutorial: <https://youtu.be/IOpitfwF54U>
- Final dance: https://youtu.be/6nASR_CL0mM
- Padlet: <https://padlet.com/bdiumaro/zf2ls3a631br159>

Time and location:

The workshop should take place in a large space to be able to move, and the time you should take to complete this workshop would be 45 minutes more or less.

Procedure:

Step1: Situate yourselves in the space and open our video tutorial.

Step2: Watch the video and try to catch the moves until you have it more or less.

Step 3: Record yourselves dancing our dance.

Step 4: Upload you video in the padlet and put your country

Other relevant information:

In step 3, you can put our final dance video, in another phone, beside the phone recording. This way you will have us in front of you and you will not be lost.

Authors and date of creation

Bao-xiao Diumaró and Núria Carrera

Date: 1.12.20



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WORKSHOP TITLE: Growing plants

Justification:

First thing all our students said about earth-day was growing plants. Nature and growing food and flowers are very close our hearts.

Materials needed:

- flower pot
- soil
- potato (not sprouting one)

- honey
- cinnamon
- tree on flower branch

Resources created by Finnish Team:

Time and location:

20.05.2021

Procedure:

Step1: Fill your flower pot with soil in halfway

Step2: Make small hole to the potato. Not too big just enough for the branch

Step3: Dip the branch to the honey and cinnamon mixture

Step4: Insert potato to the flowerpot and put the branch to the hole.

Step5: Fill the pot with soil

Step6: Remember to keep your plant wet. You can make a greenhouse from a plastic bottle.

Maarit Suikkanen ja Katja Myöhänen

Date:27.4.2021

Authors and date of creation



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WORKSHOP TITLE: Mölkky (Finnish outdoor game)

Justification:

This is the game we play outdoors whenever we have the chance. It is a fun and relaxing way to spend time with your friends and family.

Materials needed:

-12 wooden pins of similar dimension
marked from 1-12
-one bigger throwing pin called the Mölkky
(or use your imagination, for example
using Pringles-tubes or ketchup-bottles)

-paper and pencil

Resources created by Finnish Team:

- <http://www.molkky.com> (click the link please)

Time and location:

20.05.2021

Procedure:

Step1:Go to the website molkky.com and choose your language

Step2: Create materials needed

Step3: Play and enjoy

Step4: Make a video or take pictures into Instagram

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Other relevant information:

Be careful while playing and have fun.

Authors and date of creation

Kirsi Alatyppö and Pirjo Tiihonen

Date:20.4.2021

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WORKSHOP TITLE: Environmental art

Justification:

To use elements of the earth and the nature in an artistic way

To make known what an environmental art is

The final artistical product should reflect the country it was made in by using local elements of flora and nature.

To celebrate the element of earth (topic) by using the elements of nature. To make someone happy.

Materials needed:

-Materials you can find from the location you decide to do this workshop
- Make sure you are using materials you are allowed to use without damaging the nature.

-For this workshop you can use for example: sand and rocks of different colors and textures, leaf's, flowers, branches, cones, needles, fruits, berries, grass, shells...

Resources created by Finnish Team:

- Digital presentation: [LINK](#)

Time and location:

- Find a good location to do this workshop outside with as rich variety of elements of the earth and flora as possible

-You should execute this workshop without harming the environment and only use materials that you are allowed to use

-The time can be anything between 15-45min. Every school can set the timeline as they want.

Procedure:



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Step1: Planning and preparation. Think of the right location to do this beforehand. Think what kind of elements of nature you can most possibly find there and what kind of environmental art you can do there.

Step2: Do some research and find a picture representing the earth (the globe). You can print it as a preference if you want. There is also a reference picture from Finland you can print if you want.

Step3: Go to the location that you chose: a school yard, a park, a beach, a forest etc. You should have the picture with you or just look it up from your phone.

Step4: Using the materials that you can find from location you should make a presentation of the earth/globe. Use leaf's, sand, rocks, flowers etc.

Step5: When ready, take a picture of the globe made out of the elements of nature that you can find from your country and if post the foto on Instagram.

Other relevant information:

Be careful not to harm nature.

If the method of the environmental art is not familiar with you it is possible to research more reference pictures with a word "environmental art"

Authors and date of creation

7B, 7A

Date: 24.4.2021



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WORKSHOP TITLE:

Justification:

- Concentrating to listen the sounds of nature.
- To benefit from the relaxing opportunities that earth provides us.
- We seldom notice the beauty of the natures sounds so we should make some time to notice them.
- During the day we are normally too occupied with different tasks and we forget the importance of pausing our day so now we should reserve some time do just that.

Materials needed:

- Enough space to be comfortably lying down and maybe blankets or pillows to make this nicer.
- Good audio system to play the soundtrack provided by Finnish team.

Resources created by Finnish Team:

- Audio: [LINK](#)

Time and location:

- The audio lasts 10 minutes
- A quiet classroom with enough space for everybody.
- A classroom with a good audio system

Procedure:

- Step1:** Prepare the classroom. Make space for the blankets, pillows, and mattresses. Prepare the audio system beforehand and make sure it works right.
- Step2:** Prepare the place where you are going to rest. Lay down and find a comfortable position to rest.
- Step3:** Close your eyes and relax our muscles. Concentrate on your breathing. Breath profoundly ten times in and out.



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Step4: Someone will put on the audio. Our task is only relax and listen the sound of nature and enjoy the relaxing benefits that the earth provides us.

Step5: When the audio ends you can stretch your muscles again and open your eyes. Slowly you can stand up and go on with your day.

Other relevant information:

You should not talk doing this exercise and avoid doing other sounds also.

Authors and date of creation

7B

Date: 4.5.2021



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WORKSHOP TITLE: Earth Dance

Justification:

In this workshop you can be active and have fun dancing our Earth dance.

Materials needed:

-comfortable clothes for dancing
-good player and speakers for music
-our video tutorial

Resources created by Finnish Team:

- videotutorial
- final dance
- padlet

Time and location:

20.05.2021 around 45 minutes.
Outside or in the gymnasium.

Procedure:

Step1: Go to the place large enough to dance and open our video tutorial.

Step2: Watch the video and try to learn the moves.

Step3: Enjoy the final dance.

Step4: Make a video or take pictures into Instagram

Other relevant information:

Be careful while dancing and have fun.

Authors and date of creation

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| Tiina Pulkkinen, Peppi Hakkarainen, Emmi Hirvonen, Anni Turkkila |
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| Date:4.5.2021 |
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WORKSHOP TITLE:

Justification:

The work is about the myths of Finnish national epic, Kalevala. Posters are distributed in the school. Pupils participating the workshop find all necessary information to make a Kahoot.

Materials needed:

| | |
|------------------------------|---|
| - Posters | - |
| - Mobile phones or computers | - |

Resources created by Finnish Team:

https://drive.google.com/drive/folders/17BOP4z_wf6YTK9j-zijp4Jue5GxCgDN0?usp=sharing

Time and location:

Share out the posters in the school/classroom
Arrange a classroom for a Kahoot
The workshop will last around 30 minutes

Procedure:

Step1: Explain the idea of workshop for the students
Step2: Let them read the posters
Step3: While playing the Kahoot students answer the questions related to the posters

Other relevant information:

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Authors and date of creation

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| Finnish Team (Upper Secondary Class 2nd with Minna) | Date:11.5.2021 |
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WORKSHOP TITLE: Cleaning water

Justification:

We are going to clean dirty water so we can drink it.

We are going to get dirty water from the nature if it's possible. For the first laboration we are going to use nature recourses to rinse and for the other one we are going to cook the water.

When we are done the water should be drinkable.

Materials needed:

| | |
|-----------------------|--|
| Two bottles | A bowl |
| Fine-grained sand | Gas burner |
| Sphagnum | A saucepan or kettle |
| A scissor | A well-cleaning jug, bottle or a container |
| Paper, pen and rubber | |

Resources created by Swedish Team:

- Instructions:
https://drive.google.com/file/d/1lhHUzx5l2RUvHy8_mythmpXmKTrYFJJw/view?usp=sharing

Time and location:

For the first elaboration you will need to prepare by getting some dirt water outside from a lake, but after that you will need to be in a lab. Both in the first elaboration and the second one.

Procedure:

Step1: Read the instruction

Step2: Do the laboration

Other relevant information:

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| |
|--|

Authors and date of creation

Tekla-Li, Olivia, Karla, Deyana and Inda.

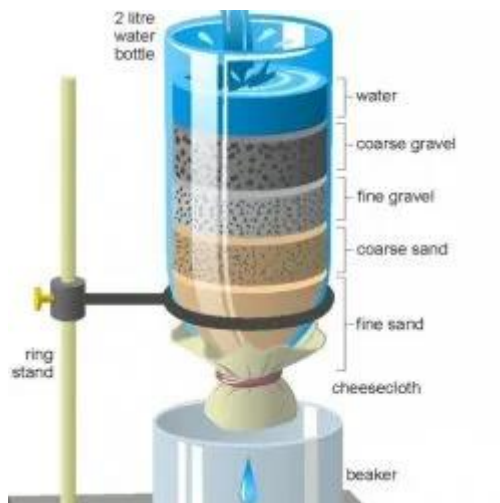
Date: 16th December 2021

Cleaning water

Material:

- Two bottles
- Fine-grained sand
- Sphagnum
- A scissor
- A bowl
- Gas burner
- A saucepan or kettle
- A well-cleaning jug, bottle or a container
- Paper, pen and rubber

Lab one:



1. Get water from a lake or a stream and put it in a bottle. It's good if it's dirty. If it's not, you can make it a little dirty by pouring sand or mud in it.
2. You also need to get some fine-grained sand and sphagnum to use in the other steps.
3. Cut off the bottom of another bottle.
4. Add sphagnum and put a layer of sand on top of it and add one more layer of sphagnum.
5. Hold the half bottle with sand and sphagnum over a clean bowl and pour the dirty water through it.
6. Save some of the dirty water so you can compare them. Write number 1 on the dirty and number 2 on the clean.
7. Answer the questions below:

What's the difference in bottle 1 and 2?

What's the similarity between bottle 1 and 2?

What does the sphagnum and fine-grained sand do?

Did all the dirt go away from bottle 2?

8. Write down your results and conclusions.
9. Write down if there is something you could do in a better way.

Lab two:



1. Boil the water so you can drink it or use it in cooking.
2. Boil the water in a saucepan or kettle until it bubbles sharply. Bacteria, viruses and parasites die when the water is boiled.
3. Pour the boiled drinking water into well-cleaning jug, bottle or another container and let it cool. Let it stand at room temperature or cooler, preferably in the refrigerator.
4. Write down your results and conclusions.
5. Write down if there is something you could do in a better way.

Thanks for your cooperation!

The end!

Made by: Tekla-Li, Olivia, Karla, Deyana and Inda from Örebro, Sweden.



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WORKSHOP TITLE: Paint in water

Justification:

This is a fun way to play with water and paint. You will explore your artistic side and create beautiful images.

Materials needed:

- | | |
|--|---|
| <ul style="list-style-type: none">- a glass bowl (something you can see through)- paint (acrylic) | <ul style="list-style-type: none">- a camera or mobile- a small cup- if you want, a prop to put in the water for contrast |
|--|---|

Resources created by Swedish Team:

- Finished example 1: <https://drive.google.com/file/d/1-ofG2MvlwyHf79-On2obO8uVL9ZEBMn/view?usp=sharing>
- Finished example 2: https://drive.google.com/file/d/1uCCXZWagCgzLqu4P-twTJhpz8Ukwik_a/view?usp=sharing

Time and location:

It takes about 30 minutes and you need to be in a classroom, close to where you can get water.

Procedure:

Step1: Fill a bowl or glass jar of water, put a prop in it if you want

Step2: Fill a small cup of water (maybe half a deciliter) and mix paint in it, about $\frac{3}{4}$ of paint and $\frac{1}{4}$ of water. If the paint has lumps in it you need to put more water in it.

Step3: Get ready with the camera

Step4: Count to 3 and then pour the paint in the water and take photos (good to be 2 people when doing this!)



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Other relevant information:

| |
|---|
| If the paint mix has small lumps in it when you pour it in the water, you need to mix with more water to get better result. |
|---|

Authors and date of creation

| | |
|-----------------|------------------------|
| Agnes and Hanna | Date: February 8, 2022 |
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WORKSHOP TITLE: Poseidon

Justification:

You are going to learn about the God of water: Poseidon, and do a Kahoot about him

Materials needed:

- computer or mobile
- Info about Poseidon

-
-

Resources created by Swedish Team:

- Documents to be printed:
https://drive.google.com/file/d/1_HkTnzgFYFp2qDaES2336tWb9gYJHdoc/view?usp=sharing
- Kahoot: <https://create.kahoot.it/share/water-day-poseidon/76c90078-b4e6-4d47-b2b6-43862720c76d>

Time and location:

The workshop is best to take place in the classroom and it takes around 30 minutes.

Procedure:

Step1: Learn about Poseidon

Step2: Do the Kahoot

Other relevant information:

Authors and date of creation

Lova, Saga and Matilda

Date: 12/01/2022

POSEIDON

Poseidon was one of the twelve Olympians in Greek mythology and was the God of the sea, storms earthquakes and horses.

He has two brothers: Hades, who rules over the underworld and Zeus who owns the sky. They were given these responsibilities when their father Cronus was defeated.



Poseidon was easily agitated, and this led to many natural disasters like big storms, earthquakes, and floods. One of these was when Athena became the patron goddess of Athens and he got mad that they didn't choose him and punished them with sending floods to the attic plains.

In images of Poseidon he is usually shown with his trident, a three pronged spear, and sometimes he is shown being pulled by his hippocampuses which are horses who have fish tails.



When Poseidon was born he was swallowed by his father because he had gotten a prophecy that his children would overthrow him. He was save a while later by his younger brother Zeus.

At one point in his life he fell in love with a human mortal named Cleito who lived alone and isolated on an island. He created her a dwelling sanctuary and gave her ponds around it. She gave birth to five sets of twin boys and the first born named Atlas, later became ruler of Atlantis.

Poseidon is also often used in modern movies and even many weapons in the military force are named after him. Poseidon is mostly used as a character in God related movies such as “The Poseidon Adventure” and the movie “Poseidon”. There is also a Russian nuclear-armed unmanned underwater vehicle named “Poseidon”.



FS Poseidon



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WORKSHOP TITLE: "My baby boat"

Justification:

An experiment/contest to test how many things a folded paper can hold.

Materials needed:

- One paper in the size A4 (per person)
- A bowl with water, that can fit the paper

- About 30 nuts (this item can be switched to something else)



Resources created by Swedish Team:

- Video: <https://youtu.be/fVxpeynYMnE>

Time and location:

You can do this either in a classroom or outside.

Procedure:

Step1: read the rules/instructions to the whole class-

Rules: You will get a paper and you can use scissors if you want to. You can fold the paper to help it hold as much weight as possible. Then you put it in the water bowl. Your paper must stay afloat for at least five seconds. If the paper sinks before the five seconds are done it doesn't count. You may add more nuts when the paper is in the water. You will do the experiment in pairs or small groups. You have 15 minutes to make your boat. When a paper sinks you, all must scream: Oh no! My baby boat was allergic to nuts!

Step2: the groups make their "boats" under 15 minutes.

Step3: all the groups take turns testing how much their paper can hold. The group that manages to hold the most weight wins!

Other relevant information:

There is a chance you may get wet during this test

Authors and date of creation

Hanna, Agnes, Matilda

Date: Dec 15, 2021



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Boat race

Justification:

*We will teach you how to make a boat you can use in a boat race.
You will need friends to compete with.
First you will make your boat when you place it in water. The first boat to finish the race wins.*

Materials needed:

| | |
|---|---|
| <ul style="list-style-type: none">- scissor- paper | - |
|---|---|

Resources created by Swedish Team:

- Instruction on how to make a boat:
<https://drive.google.com/file/d/1YsgFx54rwsWGxrOyBUOG3tI7lyqrPxYa/view?usp=sharing>

Time and location:

It should be near a location with water. Time depends on how you solve the water-part

Procedure:

Step1: Make the boat
Step2: Find a stream or fill a children's pool with water (with a children's pool you need to blow at it to win the race)
Step3: Let the race begin!

Other relevant information:

Authors and date of creation

Olivia, Fatima, Romaysa

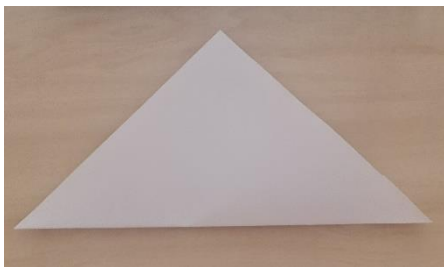
Date: 2021-12-17

Boat race – instructions to make a boat

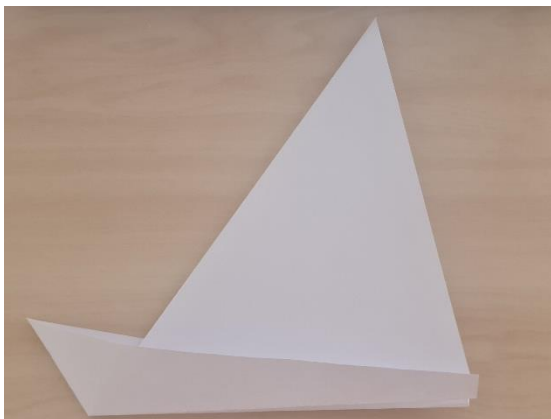
Step one: square paper



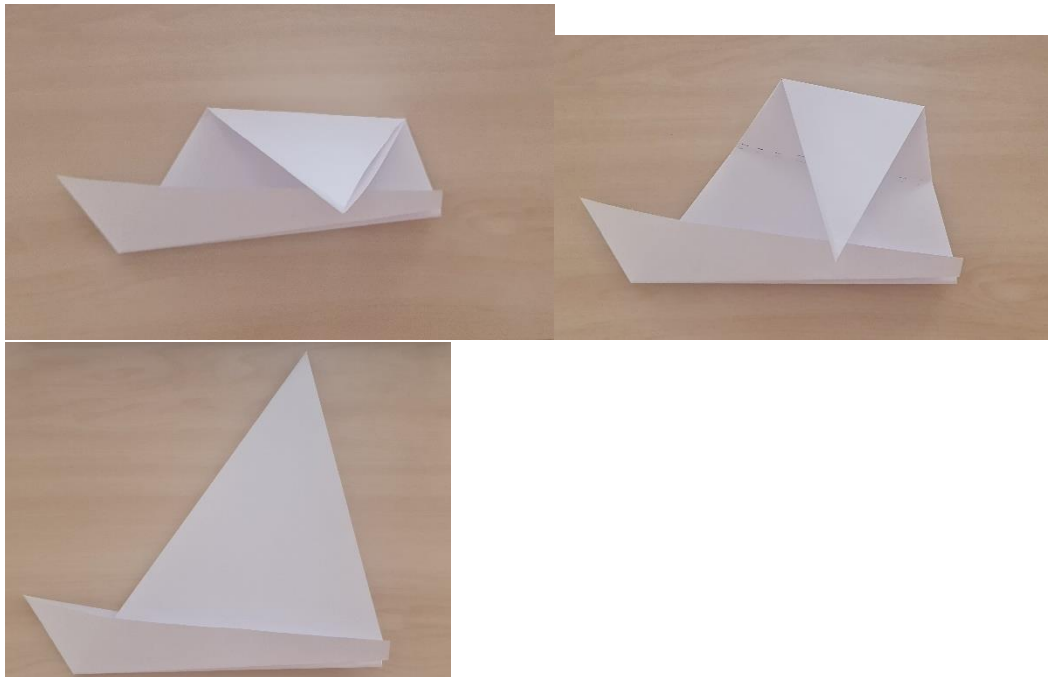
Step two: fold it to a triangle



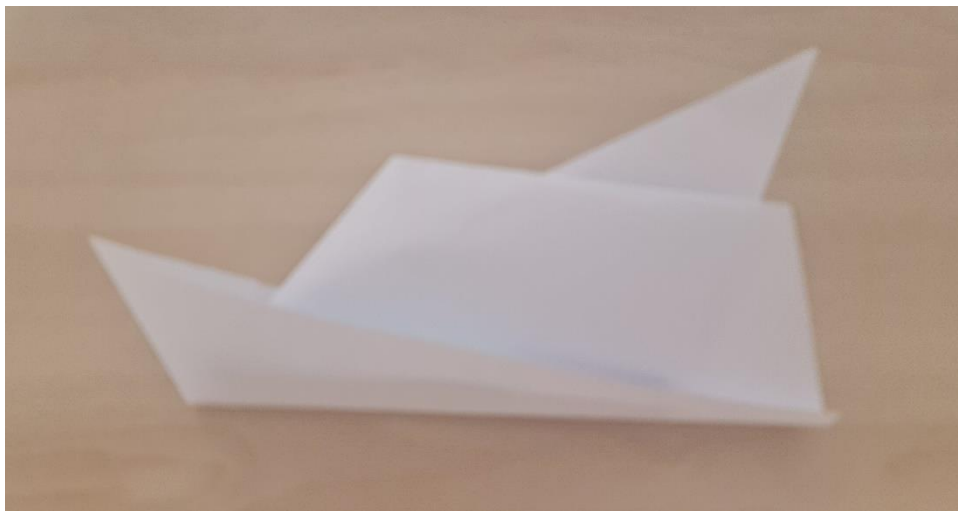
Step three: fold where the lines are, reverse the folds



Step four: fold along these two lines



Step five: reverse the fold



Finished



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WORKSHOP TITLE: Snowball fight – water fight

Justification:

This is a way to get active and move, while also playing and having fun.
You're going to have a snowball fight/water fight, depending on what works with your weather.

Materials needed:

| | |
|--|---|
| <ul style="list-style-type: none">- Snow- Water | <ul style="list-style-type: none">- Waterballons / water guns- A change of clothes/winterclothes |
|--|---|

Resources created by Swedish Team:

- Rules:
<https://drive.google.com/file/d/1rluFhjdgEZqV8wz4BTGdmky8qpHvkThc/view?usp=sharing>

Time and location:

You can do it anywhere but we would recommend in a park. It should take about 30 minutes

Procedure:

Step1: Decide where this takes place and the boundaries of the game.

Step2: Make preparations like fill up water ballons and roll snow balls

Step 3: Let the game begin!

Other relevant information:

Make sure you don't throw in the face of your opponent. We don't want anyone getting hurt.

Authors and date of creation

Philip, Hugo, Henry, Albin, Viktor

Date: 16/12 2021

Water fight/Snowball fight

Here in Sweden, it is very common in the winter times to play snowball fight. The idea is that you grab some snow and form the snow into a ball and throw it at each other. But since we're working with some countries that usually don't have snow, we made an alternative with a water fight with water balloons.

Rules snowball fight:

You first split up in two or three teams. You then decide for how long you're going to play. Then you simply grab snow, roll it into a ball and throw at each other.

The thing with snowball fight is that there usually aren't any rules. You usually just throw at each other for fun in teams, but if you want to make it a competition, you can look at each other's clothes when the game is over and see which team has the least amount of snow on them. That team is crowned the winner.

Rules water fight:

If there isn't any snow when you want to play snowball fight, you simply use water balloons or waterguns instead of snowballs. So, it's basically the same rules.

Split up into two or three teams. Decide how long you're going to play. Have the water balloons split up between the teams or have a bucket where you keep all the water balloons. Instead of seeing which team has the least amount of snow, just change it to which team is the least wet from all the water balloons.

Made by: Philip, Albin, Viktor, Henry and Hugo



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WORKSHOP TITLE: TSUNAMIS

Justification:

We have done a text about tsunamis; this text has facts about different tsunamis that has happened in a few countries. The subjects that included in the lesson is history, geography and social studies.

Materials needed:

| | |
|--|--|
| <ul style="list-style-type: none">- Computer or a mobile- Kahoot: https://create.kahoot.it/share/water-day-tsunami/035ff246-4aa3-4d5d-ab72-ab1740e1eec3 | <ul style="list-style-type: none">- The information about Tsunamis- |
|--|--|

Resources created by Swedish Team:

| |
|--|
| <ul style="list-style-type: none">• Documents to be printed: https://drive.google.com/file/d/1wNF0RNby2FxNvAxBYDXvZjMXgt1plb/view?usp=sharing• Kahoot: https://create.kahoot.it/share/water-day-tsunami/035ff246-4aa3-4d5d-ab72-ab1740e1eec3 |
|--|

Time and location:

The workshop should take place in the classroom and it should be about 40 minutes long.

Procedure:

Step1: The students should read a paper about tsunami.

Step2: When students are done reading the paper, they should be allowed to conduct a kahoot by answering questions regarding the text they have read.

Other relevant information:

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Authors and date of creation

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| Made by Luna, Irma, Linn, Elin, Camilia and Rayan | Date: 16- 12- 2021 |
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WORKSHOP TITLE: Make and fly a kite

Justification:

Objective: Make a kite and fly it on a windy day.

Materials needed:

- | | |
|--|--|
| <ul style="list-style-type: none"> - Two sticks (wood, bamboo, metal ... etc. 20 cm and 45 cm) - Rope - Strong adhesive tape - String - Thin kite string - Plastic rubbish bag | <ul style="list-style-type: none"> - Markers - Color pencils - Stickers |
|--|--|

Resources created by Spanish Team:

- <https://img.wonderhowto.com/img/18/09/63504208508539/0/turn-plastic-garbage-bag-into-high-flying-diy-kite.w1456.jpg>

Time and location:

30 minutes and open air

Procedure:

- Step1:** Tie together two sticks like a cross.
- Step2:** Outline the cross with string and make sure it's taut.
- Step3:** Cut the plastic bag and cover the kite outline with the plastic rubbish bag.
- Step4:** Tie the excess ends directly onto the wooden frame. Run the string along the horizontal stick and pull tight. You want the wood to curve slightly.
- Step5:** Poke holes on both ends of the kite near the top and bottom of the vertical stick. Thread string through holes and then reinforce it with the strong adhesive tape.
- Step6:** Attach one end of dental floss to string from step 5 in a way that dental floss string is perpendicular to where the wooden sticks cross.
- Step7:** Attach tail string to bottom and tie strips of an old towel.
- Step8:** All done! Fly your kite on a windy day.

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Other relevant information:

In step 1: The horizontal stick should be $\frac{1}{3}$ way down of the vertical stick.

In step 5: Leave some space because this will be that string that will be attached to the thin kite string.

Authors and date of creation

Zoe Díaz, Izan Castro, Imane El Mallouki i Laia Santapau

Date: 18.10.2022

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Workshop title: THE THREE LITTLE PIGS

Justification:

Our objective is that the children know about the history of the three little pigs and then do some activities about the wind and the construction.

They learn knowledge about the wind, how to work in groups and how to organize themselves.

Our final product is explaining the story and then doing the activity of building a house with papers.

Materials needed:

- Paper
- Scissors
- Adhesive tape
- Fan

Time and location:

The activity will be in a classroom, and it will last about 45 minutes.

Procedure:

Step1: First, we're going to explain the history of the 3 pigs.

Step2: Then, they are going to make groups of 3 people.

Step3: Next, they will have 10 minutes to build the most comfortable house.

Step4: Finally, we will pass for all the groups with a small fan trying to blow the houses, and the house that doesn't fall will win.

Other relevant information:

Each person should read a little part of the history.

Authors and date of creation[Miriam Estévez, Manel Gavalda i Arlette Mayorgas](#)Date: [4/10/2022](#)



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WORKSHOP TITLE:

Justification:

Why does a paper plane fly? We have to think about the weight, the air, the force... Depending on how hard you push, it will take more or less time to fall to the ground.

Materials needed:

| | |
|-------------------|------------|
| - Sheets of paper | - Scissors |
| | - |

Resources created by Spanish Team:

- Documents to be printed: <https://juegayestimula.com/wp-content/uploads/Aviones-de-papel.jpg>
- <https://www.e-aircraftsupply.com/the-science-behind-paper-airplanes/>

Time and location:

45 minutes
Classroom

Procedure:

Step1: First we have to look at the aircraft grid and decide which one would fly better and why.

Step2: Then students build them.

Step 3: Students write conclusions.

Authors and date of creation

Alex Puente, Roger Ovalle, Nigel Vargas

Date: 18/10/2022



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WORKSHOP TITLE: Let's create a windmill!

Justification:

We think it's a very interesting activity because we can learn so much about the work of a windmill and his different utilities. It's not something difficult to construct, and you can make it in your own house without having big problems in the process.

Materials needed:

| | |
|------------|---------------|
| - A4 paper | - Pencil |
| - Scissors | - Drawing-pin |

Resources created by Spanish Team:

- [Digital presentation](#)
- [Video](#)
- [Kahoot](#)

Time and location:

We can do it at class or in the library. And we can finish the windmill in 5-10 minutes.

Procedure:

Step 1: Fold the paper, so there are four triangles

Step 2: Cut until the middle of each fold

Step 3: Fold the paper for each fold, so there are the tips in the middle

Step 4: Pin a drawing-pin in a pencil, going through all the tips.

Other relevant information:

If there's no wind, we can also blow to move the blades, which is probably going to happen.



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Scientific explanation:

The windmill works because the resistance that blades do to wind, cause a rotational movement. This movement cause that an entire mechanism that is inside works. Every windmill is adapted to do his different job, and uses, for example, a stone to grind, a piston to pump water or a turbine to generate electricity.

Authors and date of creation

Toni, Arnau and Ilia

Date: 18/10/22



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WORKSHOP TITLE:

Justification:

Our objective is to make students learn a little bit about the element wind and these curiosities. We also aim that students have fun during a time learning and playing with our board game.

Materials needed:

| | |
|--|--|
| <ul style="list-style-type: none"> - The game board - A dice | <ul style="list-style-type: none"> - Tokens - Question cards |
|--|--|

Resources created by Spanish Team:

| |
|--|
| <ul style="list-style-type: none"> - A board game |
|--|

Time and location:

| |
|---|
| The workshop can take place in a classroom. The duration is about 30 minutes. |
|---|

Procedure:

Step1: The oldest students ask the youngest students some questions and explain some facts and curiosities about the wind.

Step2: The oldest students explain how to play the board game.

Step3: You can start playing and have fun!

Other relevant information:

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| The youngest students are divided in groups of 4-5 people. Each group an old student and a board game. |
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Authors and date of creation

| | |
|--|------------------|
| NATÀLIA BUYREU, JÚLIA JIMÉNEZ, ALBA DÍAZ | Date: 30-10-2022 |
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RULES OF THE GAME

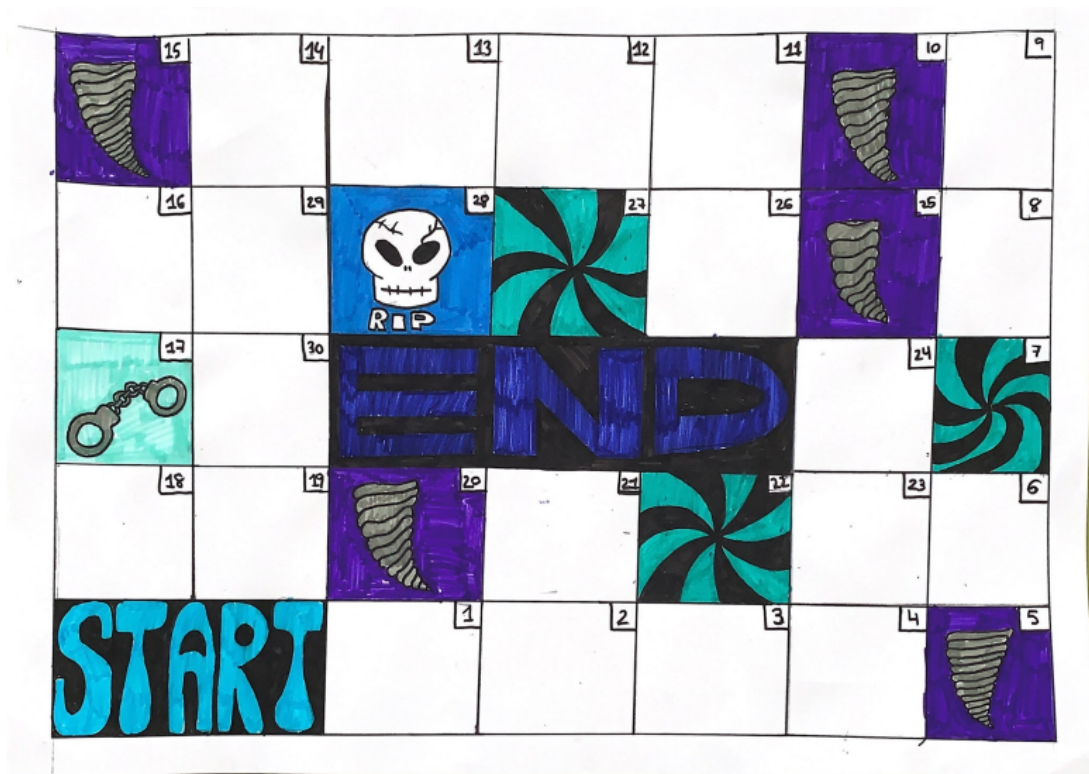
Players: 4-5 people

Material: Board game, a dice and some tokens.

HOW TO PLAY THE GAME?

1. The youngest player starts the game.
2. The first person roll the dice
3. The first player answers a question and if he does it well he stays in that position, but if he does it bad he goes back one position.
4. All the players do the same
5. The person who arrives first to the last position, wins.

SPECIAL BOX



Skull: It means that you have to start again.

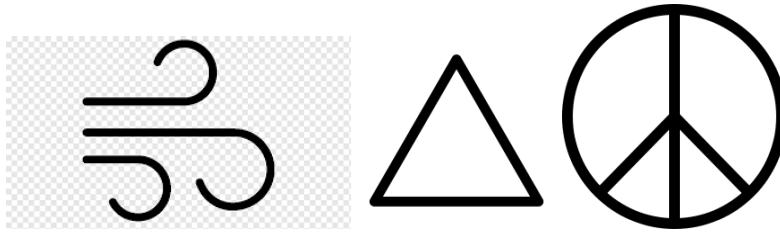
Tornado: When you fall in a tornado, and you answer correctly the question, you go to the next tornado.

Hurricane: When you fall to a hurricane, you have gone back 3 boxes.

Handcuffs: When you fall to this box, you stay there from 2 rounds.

QUESTIONS ABOUT THE WIND

1. Is the air one of the four elements of life?
Yes it is.
2. Can the wind produce a mental illness?
Yes it can.
3. Is the wind blue?
No it isn't.
4. Which color is the wind?
 - a. Black
 - b. white
 - c. transparent
5. Why do the birds need the air in our planet?
 - a. To come to Julia's house
 - b. To fly to another's territories
 - c. To talk
6. What can cause the wind?
Hurricanes, storms and tornadoes.
7. Is a tsunami produced by the wind?
 - a. No, it isn't.
 - b. Yes, it is
 - c. sometimes yes, sometimes no
8. How a hurricane is created?
 - a. A hurricane is created when there is an accumulation of thunderstorms that move over warm ocean waters, but don't move in the same direction.
 - b. A hurricane is created when it rains and snow at the same time.
 - c. A hurricane is created when there are a lot of people in the planet.
9. Can a building fall when there is a lot of wind?
 - a. No
 - b. Yes, of course
 - c. A building never fall
10. What symbol represents the air?



11. Which are the two fundamentals characteristics of the wind?
- a. The snow and the rain
 - b. It flows towards the storms and separates from the anticyclones
 - c. it flows the dogs and separates the cats
12. Why is the wind important?
- a. Because it is a regulator of the different temperatures to the different solar radiation and of the amount of water vapor present in the atmosphere.
 - b. Because our teacher want.
 - c. Because the fishes fly.
13. What are the different types of wind?
- a. Planetary, regional and local
 - b. Strong, light and very light
 - c. blue, red and pink
14. What would happen if there wasn't air?
- a. All the schools close
 - b. All the restaurants open
 - c. There wouldn't be live with the animals and the plants
15. Which one is the dangerous speed for wind?
- a. 30-50 km/h
 - b. 12-19 km/h
 - c. 71-120 km/h
16. How can we measure the wind?
- a. with an anemometer
 - b. with a thermometer
 - c. with a pen
17. Can you fly with the strength of the wind?
- a. No
 - b. yes, if there is a lot wind
 - c. the cats yes, the dogs no
18. Is the wind dangerous for humans?
- a. No, it isn't

b. only for the noir humans

c. Maybe

19. What is the wind made of?

a. from animals and plants

b. from nitrogen, oxygen and gases

c. from teachers and teenagers

20. Can it be windy when it is raining?

a. Yes, of course

b. Only in Spain

c. No, it's impossible