

# DEPTH OF SPACE

**Beytullah Önce**

**English Teacher**

**Sakarya Science and Art Centre**



Science and Art Centres are institutions for the gifted and talented students in Turkey.

As our students have high level of IQ, we have to give them special education.

We have differentiated curriculums based on STEM or Project Based Learning.





## DEPTH OF SPACE

The topic of the project  
Astronomy

The main aim  
Develop a better understanding of  
space

Age Range of the pupils  
9 - 16



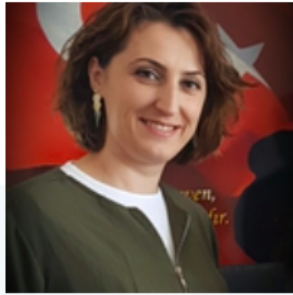


**Language**  
English

**Duration**  
9 months

**Subjects**  
Astronomy, Design and Technology,  
Foreign Languages, Informatics / ICT,  
Natural Sciences, Physics and Primary  
School Subjects.

## THE FOUNDING PARTNERS



**Burcu ŞIK** following you

*Aykut Yiğit Orta Okulu*

Adapazarı, Turkey

UNFOLLOW



ACTIVITY

ABOUT

PROJECTS

EVENTS

GROUPS

PICTURES



**Antonietta Cursio** following you

*Scuola Statale Secondaria di I Grado "S. Pertini" di Orta Nova*

Orta Nova (Fg), Italy

UNFOLLOW



ACTIVITY

ABOUT

PROJECTS

EVENTS

GROUPS

PICTURES

**11****COUNTRIES****29****SCHOOLS****40****TEACHERS****404****STUDENTS**

## WHERE ARE THE PARTNERS FROM?





## AIMS AND OBJECTIVES

- Develop a better understanding of space.
- Encourage students to ask and answer their own questions about space.
- Get them learning how to learn about space.
- Support to using foreign language to understand information, to share their own ideas and to communicate.
- Develop their skills in science and technology.
- Provide opportunities to meet different European schools, citizens and cultures.





## LEARNING OUTCOMES

- Understand basic concepts of space science.
- Learn basic English vocabulary about astronomy.
- Use English to produce their own slogans, posters, word clouds, mind maps, booklets, texts, pictionaries about space.
- Learn how to use technology as an educational tool.

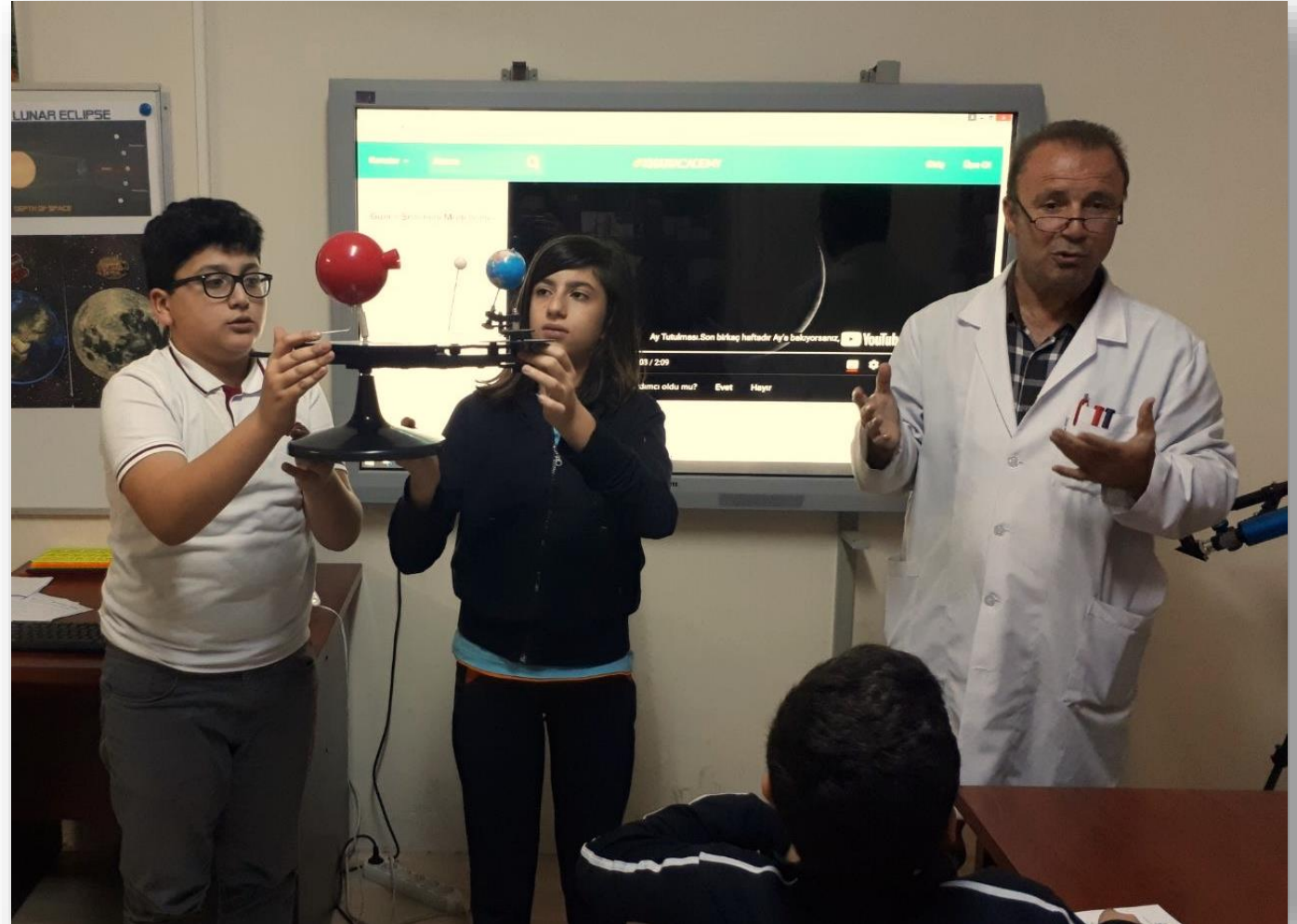


## LEARNING OUTCOMES

- Observe nature and discover space.
- Develop their imagination and creativity.
- Design their own solar system models.
- Collaborate with students from European countries.
- Find out about European cultures.

## KEY COMPETENCES

- Basic skills in science
- Communication in foreign languages
- Digital competence
- Cultural Awareness
- Creativity
- Learning to learn



## MONTHLY PROJECT PLAN

- Time
- Activity
- Concepts
- Objectives
- Resources and materials
- Web 2.0 tools

**Project Activities Programme**  
**'DEPTH OF SPACE'**  
2017-2018

months	Aims	Activities	Subjects	Kullanılacak araçlar
July-August 2017	Creating a European project on ETwinning	Finding partners for the creating of the project Examining and editing the project plan using Google doc Make a poster and introduce the progeny.	Partner finding Creating the Project Plan Presentation of the project	Google doc-anket wall
September	Basic space concepts know. The basic space concepts, writes and speak in English. Use technology. Communication and cooperation skills develop.	Create Project Team and promote your team to the common workspace 'padlet' pages in Twinspace. The padlet pages are edited by the founder in the Twinspace. Prepare your school's promotional videos and create video's qr code share it in the common workspace 'padlet' pages Contest: poster contest on 'What does space mean for you' Your pupils prepare posters using the 'Canvas, Postermymwall' web tools or 'hand skills'. The posters are uploaded to the collaborative workspace and voted on using the 'poll-maker' tool to select the best posters. Using the Basic Space Concepts, create a word cloud with the TAGUL web tool.	Basic Space Concepts: Space Solar system Planets satellites world Anthem Sun Universe Black hole Galaxy asteroid wipes Meteorite Meteor constellations light speed light year	Postermymwall Canvas Hand Skill (pencil,paper,boys)
October	Nature observations, discoverer, it uses your imagination. Communication skills develop.	Provide photographs of pupils observing the night sky. Display the photos on the school clipboard. Creating a slogan about our project with the 'Rectle' web tool. Use to Survey Monkey and do a survey about 'Space' Meeting with Online Meeting	Observing the Sky Looking at the sky	Padlet Smart phone Etwinning Online Meeting Tablet Smart phone Interactive Board
November	Discovering that the	A video about the moon. is prepared.	Earth's moon At	Bitable, Kiboa web

months	Aims	Activities	Subjects	Kullanılacak araçlar
April	Know what Space Technologies are. Get ideas for the selection of the jobs about Space Technologies. Discover what causes space pollution, it uses technology as learning material.	Prepare a presentation using the 'emaze' or 'prezi' web tools on space technology and pollution to your students Using space-related technologies	Journalism Space Technologies Space Pollution Nasa Eyes Space 4D + Spacecraft 3D Earth now	Interactive Board
May	Project results are evaluated	Evaluate your progeny using the Kahoot application. Have an exhibition at your school. Promote your project in your city by using news channels	Evaluation Exhibition	Interactive Board Tablet Smart phone

**Proje Explaining**

The project starts in September and ends in May.

The pupils ages '9-16'.

With this project, especially students between the ages of 9-16 to get a better understanding of space, to ensure the acquisition of scientific skills.

In our project, students will also be able to collaborate with other partners on Twinspace to develop cooperation, language use, communication skills.

We want to encourage the development of digital media skills and become conscious internet users by using web 2.0 tools while at the same time increasing the astronomy interest of our students in our project work.

	world is a natural satire, Develop original learning materials using creativity skills.	Show the lunar eclipse in the classroom environment. You can use 1 lantern (sun), a small ball (moon), medium ball (world) materials and either round fruits.	Features of the moon The phases of the moon Lunar eclipse	tools, Lantern and balls in various sizes or round fruits and vegetables
December	Examines specimens from platforms prepared for children in the world on space topics, Design the original solar system model, Develop Creativity, Exploring, Collaboration and Communication skills through Group Study	<del>LOOKUP</del> at <a href="https://www.esa.int/esaUK/DSen/Storyoftheuniverse.html">https://www.esa.int/esaUK/DSen/Storyoftheuniverse.html</a> Waste materials, rope, paper, cardboard, ball, etc. are made using the Solar System model and written on the name of each piece. Using Fruits and Vegetables, the planets in the solar system are compared in size.	Solar system	Tablet Smart phone Waste materials, rope, paper, cardboard, ball Fruits and vegetables
January February	Communication, Collaboration, and creative skills. He establishes friendships with schools in other cities.	New year greeting cards on space will be prepared by matching partners to send cards to each other The planets in the solar system will be shared with the partners to prepare the New Year Calendar, and a calendar page will be created for each month.	Space	computer
March	Designs using creativity skills and works collaboratively with other partners.	Review space bucket story telling activity <a href="http://www.unsw.edu.au/resources/education/activity_spacescoop_storytelling/">http://www.unsw.edu.au/resources/education/activity_spacescoop_storytelling/</a> Students will create a story about space and make a presentation in class and on the board. You can write either English or your own language. The written stories will be scanned and uploaded to the collaborative workspace, and a storybook will be prepared by combining all the stories.  Meeting with Online Meeting	In our own country, what people used to think about the world, the moon and the space in the past. Talking about why ancient civilizations formed myths and how they now know that they are stories from the past Key concepts: Space Scoop, storytelling, drawing, literacy, art, creativity	Storybook

**Work Process:**

The project will last one academic year with the activities to be carried out every month.

September>Create and promote The Project Teams workspace 'padlet' pages in Twinspace.

Poster Contest on 'What does space mean for you'

Using the Basic Space Concepts, create a word cloud with the TAGUL web tool.

October:Provide photographs of pupils observing the night sky. Display the photos on the school clipboard.Creating a slogan about our project with the 'Rectle' web tool.Use to Survey Monkey and do a survey about 'Space'

Meeting with Online Meeting

November:A video about the moon is prepared.Show the lunar eclipse in the classroom environment.

December:To create solar system with waste materials or fruit,lect.

January/February:To prepare and send new year cards subject- 'Space'

March: To create storybook about 'Space'

April:Prepare a presentation using the 'emaze' or 'prezi' web tools on space technology and pollution.

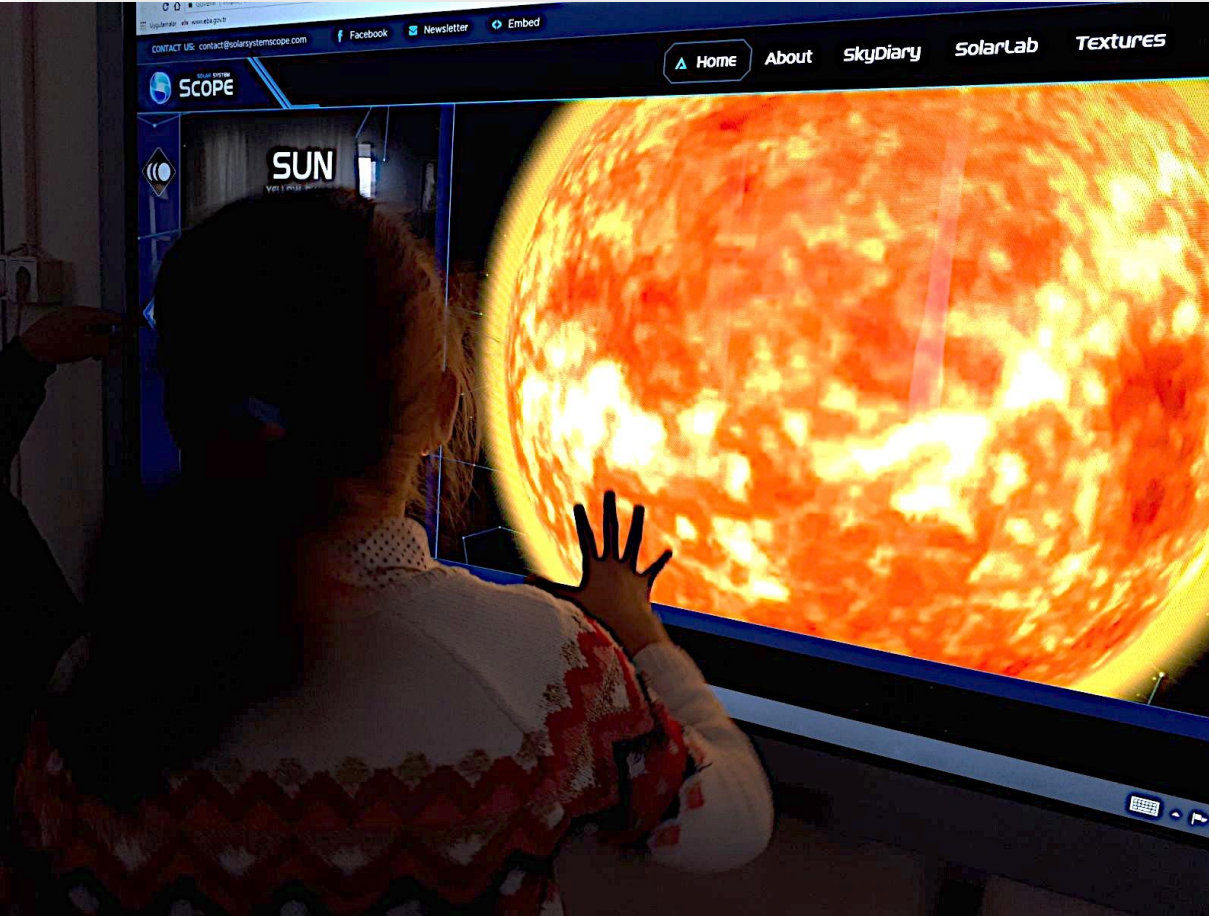
May: Evaluation

Exhibition

<b>September</b>	<p><b>AIMS/OBJECTIVES</b></p> <p>Learn how to use Twinspace.</p> <p>Become familiar with basic space concepts know.</p> <p>Learn the basic space concepts in English.</p> <p>Use technology.</p> <p>Develop communication and cooperation skills.</p>	<p><b>ACTIVITIES</b></p> <p><b>INTRODUCE PROJECT TEAMS</b></p> <p>Create Project Team and promote your team to the common workspace 'padlet' pages in Twinspace.</p> <p>The padlet pages are edited by the founder in the Twinspace.</p> <p>Prepare your school's promotional videos and create video's QR codes, share it on the common workspace 'Padlet' pages</p> <p><b>CONTEST</b></p> <p>Poster contest on 'What does space mean for you?'</p> <p>Your pupils prepare posters using the 'Canvas, Postermymwall' web tools or 'hand skills'. The posters are uploaded to the collaborative workspace and voted on using the 'poll-maker' tool to select the best posters.</p> <p><b>WORD CLOUD</b></p> <p>Using the Basic Space Concepts, create a word cloud with the TAGUL web tool.</p>	<p><b>Basic Space Concepts</b></p> <p>Space</p> <p>Solar system</p> <p>Planets</p> <p>satellites</p> <p>world</p> <p>Anthem</p> <p>Sun</p> <p>Universe</p> <p>Black hole</p> <p>Galaxy</p> <p>asteroid wipes</p> <p>Meteorite</p> <p>Meteor</p> <p>constellations</p> <p>Light speed</p> <p>Light year</p>	<p><b>MATERIALS</b></p> <p><b>WEB 2.0 TOOLS</b></p> <p>Interactive Board</p> <p>Panel</p> <p>Paper</p> <p>Printables</p> <p>Coloring Pencils</p> <p>Scissors</p> <p>Twinspace</p> <p>Padlet</p> <p>Postermymwall</p> <p>Canvas</p> <p>Tagul</p> <p>Poll-maker</p>
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## ONLINE RESOURCES, PLATFORMS

- **EBA** (Turkey's online social educational platform)
- Khan Academy
- TEDx Talks
- NASA
- Space.com
- Solar System Scope
- Moon Giant

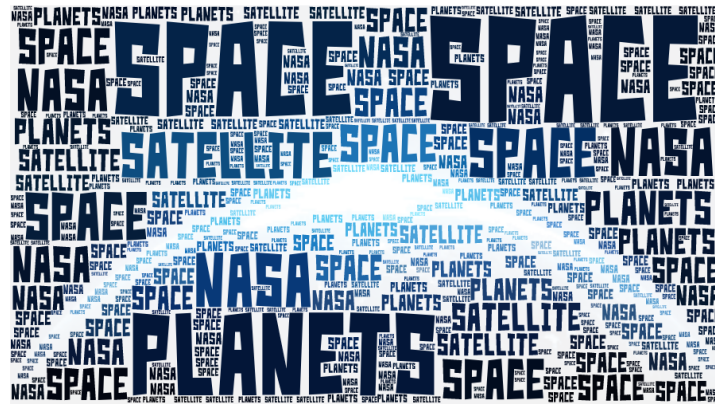
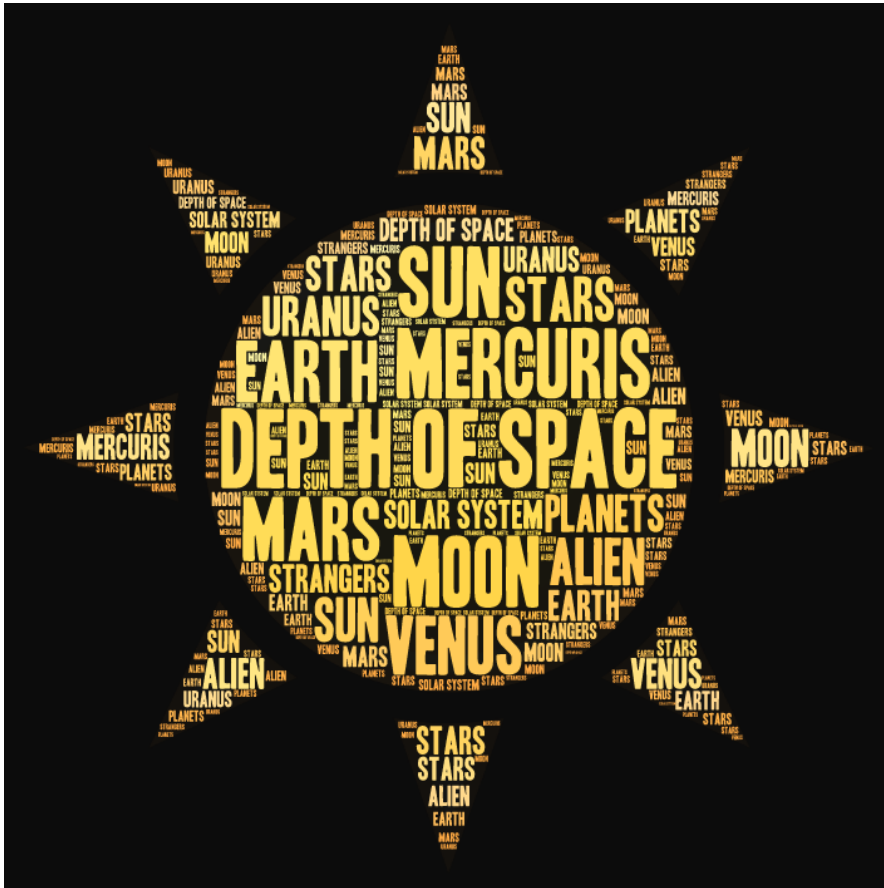


## WEB 2.0 TOOLS

Padlet, Quizlet, Cram, Tagul, Canvas, Postermywall, Recite, Textgram, Poll-Maker, Kahoot, Story Book, Joomag, Emaze etc.







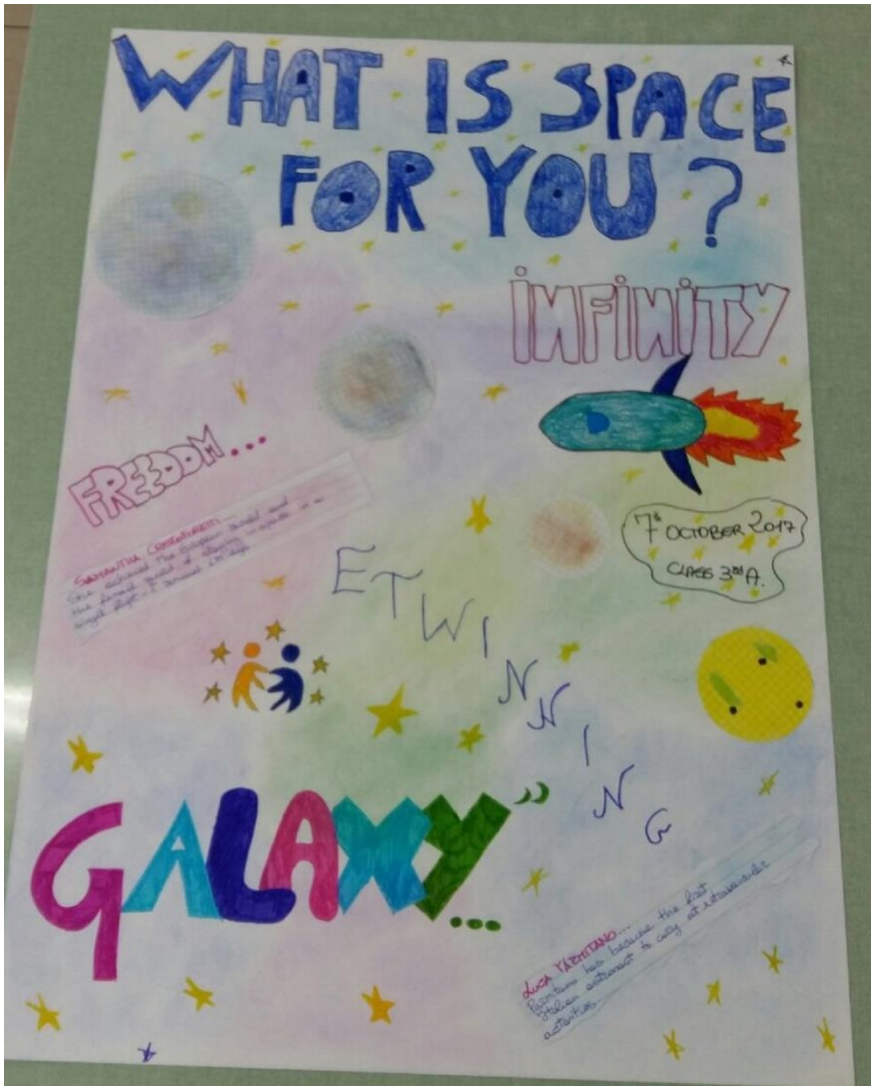


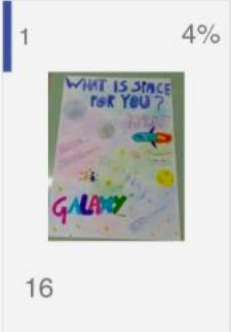

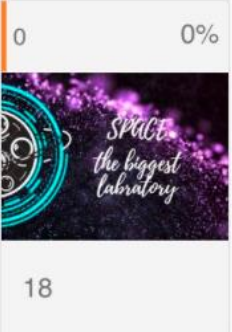
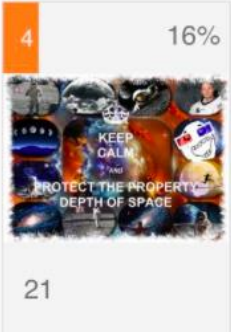

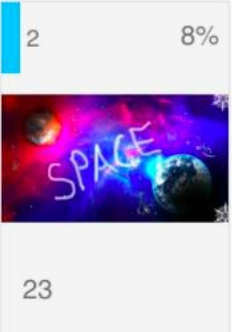

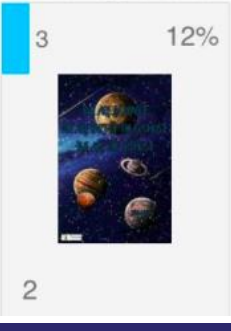

Depth of Space



Depth of Space

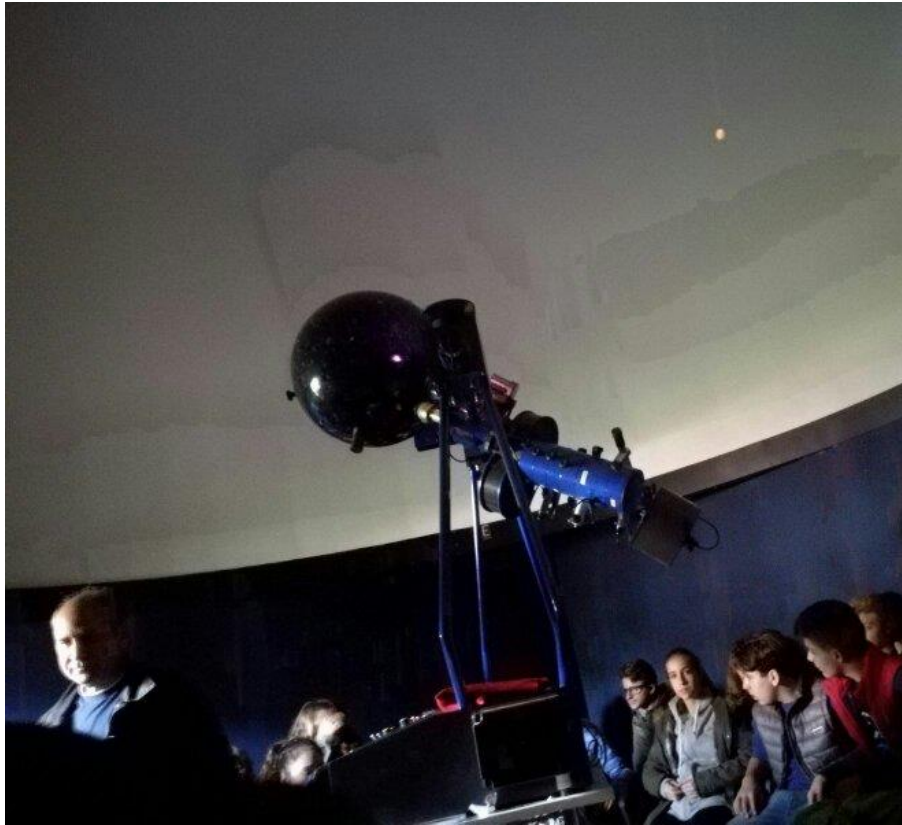


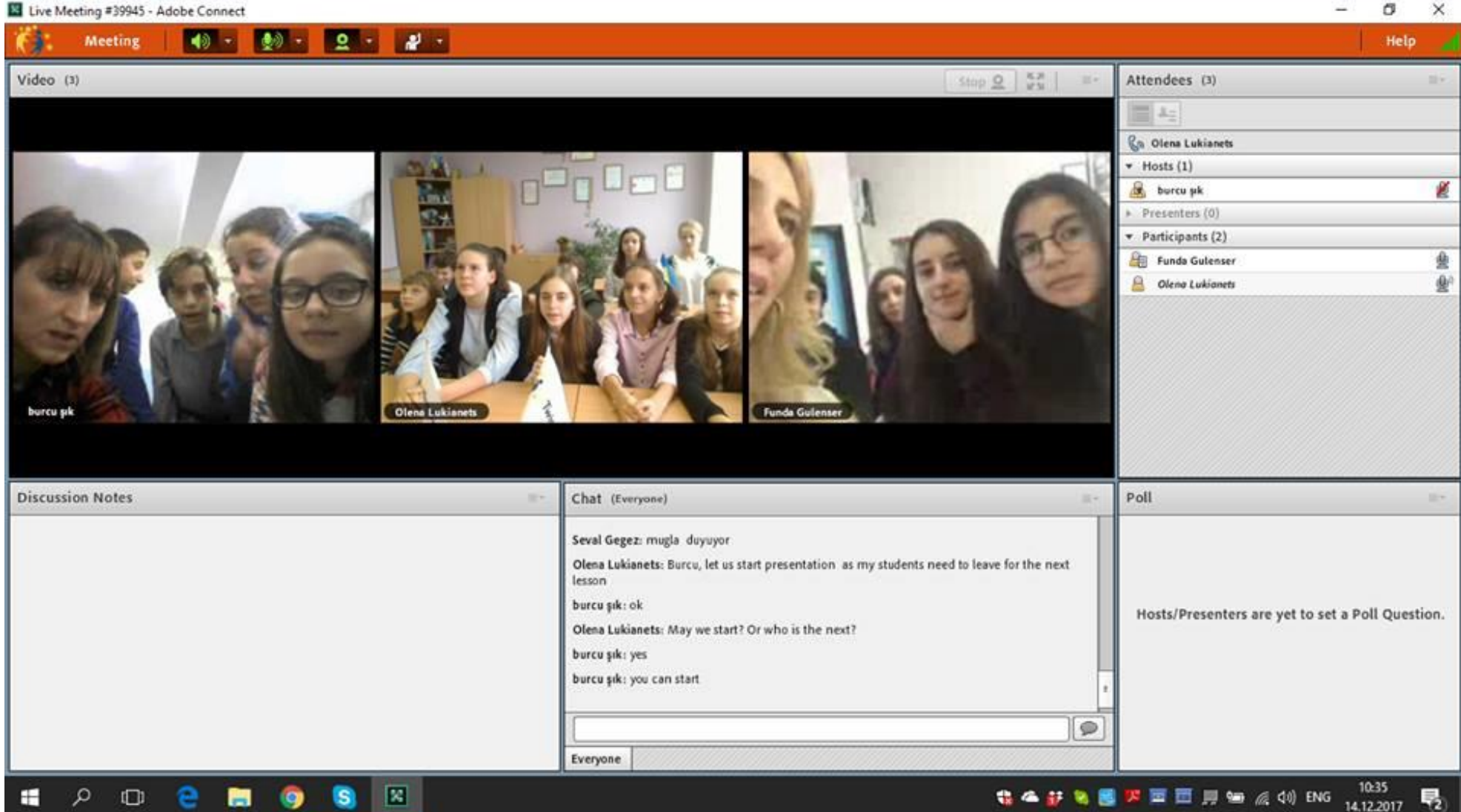


<p>1 4%</p>  <p>16</p>	<p>1 4%</p>  <p>17</p>	<p>0 0%</p>  <p>18</p>
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Live Meeting #39945 - Adobe Connect

Meeting

Video (3)

Attendees (3)

Olena Lukianets

Hosts (1)

burcu şık

Participants (2)

Funda Gulenser

Olena Lukianets

Discussion Notes

Chat (Everyone)

Seval Gegez: muğla duyuyor

Olena Lukianets: Burcu, let us start presentation as my students need to leave for the next lesson

burcu şık: ok

Olena Lukianets: May we start? Or who is the next?

burcu şık: yes

burcu şık: you can start

Poll

Hosts/Presenters are yet to set a Poll Question.

10:35  
14.12.2017

Live Meeting #39945 - Adobe Connect

Meeting [Audio] [Video] [Share] [Help]

Video (6)

Attendees (7)

- burcu şık, Seval Gegez
- Hosts (1)
  - burcu şık
- Presenters (0)
- Participants (6)
  - Funda Gulenser
  - CEREN TEZEL KELEŞ
  - Olena Lukianets
  - Seval Gegez
  - Sibel Coşkun
  - Yasemin neslihan Bilgin

Discussion Notes

Chat (Everyone)

Olena Lukianets: Could you say anything to mute our speakers.  
burcu şık: yes  
Seval Gegez: they can not hear  
Funda Gulenser: burcu we cN hear you  
burcu şık: yes i cant undstant what the problem  
Seval Gegez: they wonder you  
Seval Gegez: burcu teacher

Poll

Hosts/Presenters are yet to set a Poll Question.

Windows Taskbar: 10:22 14.12.2017 ENG

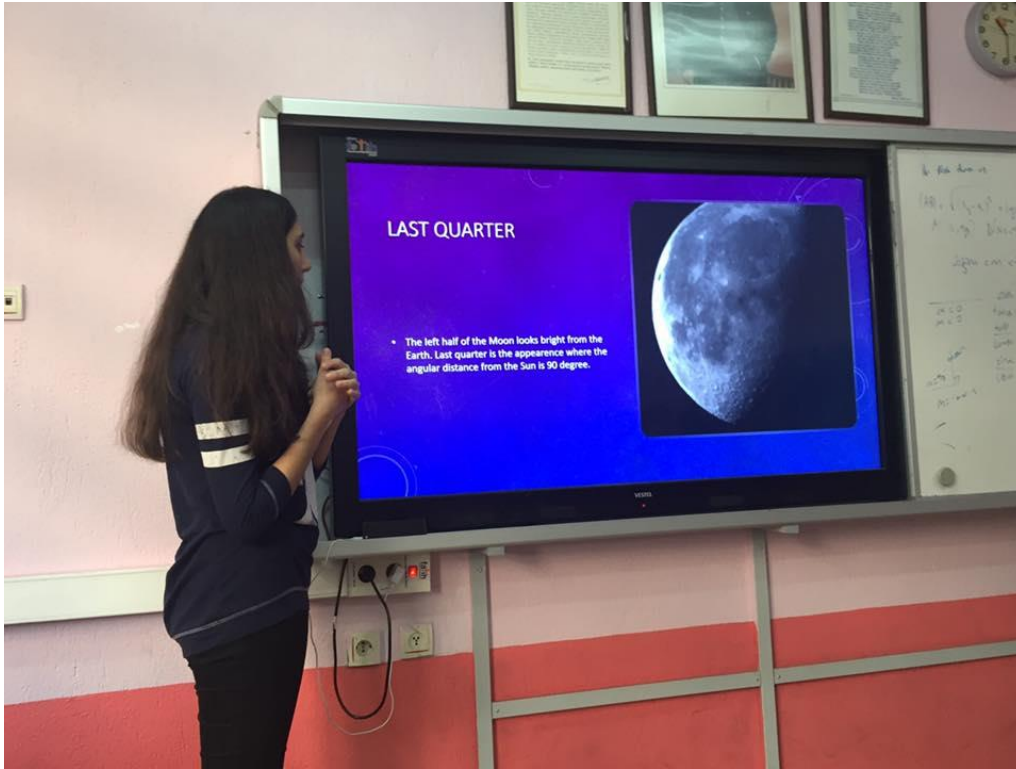










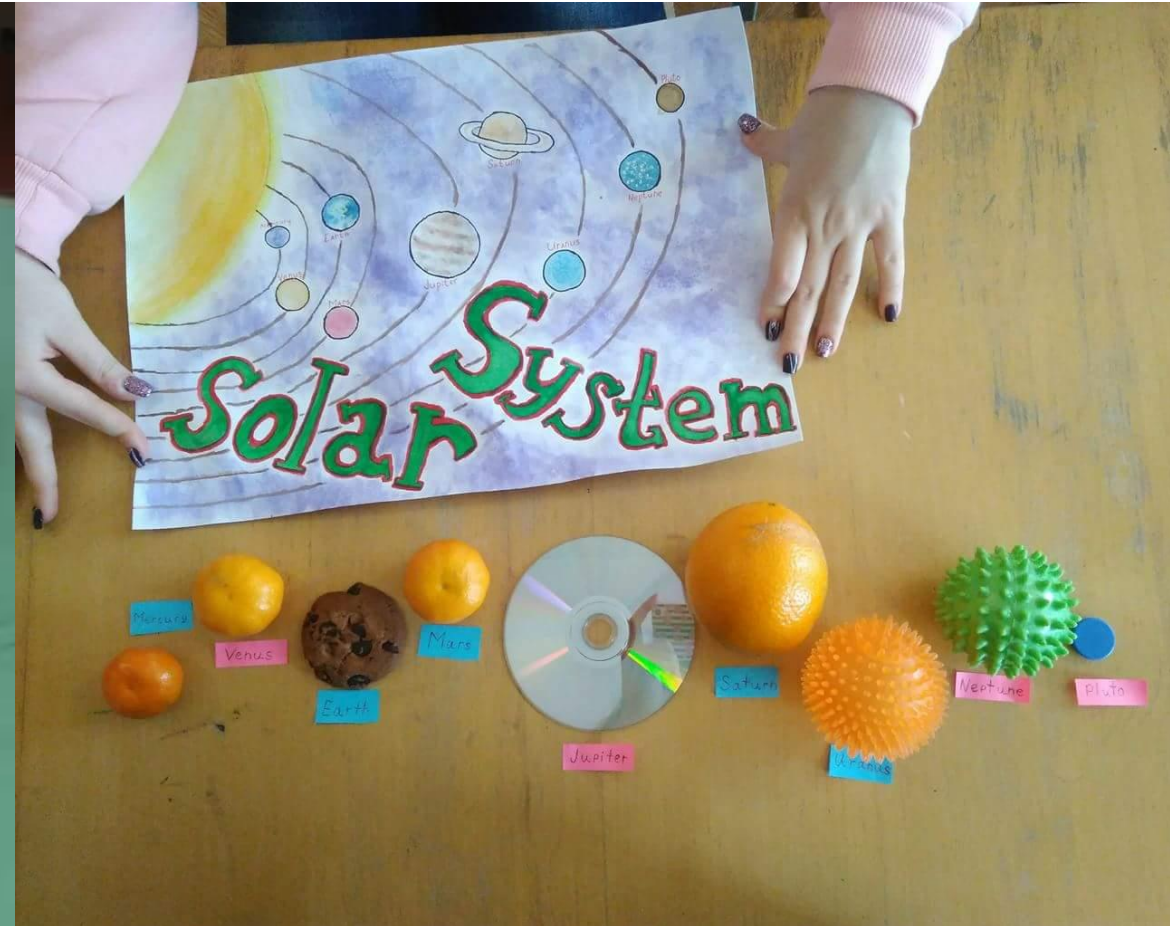


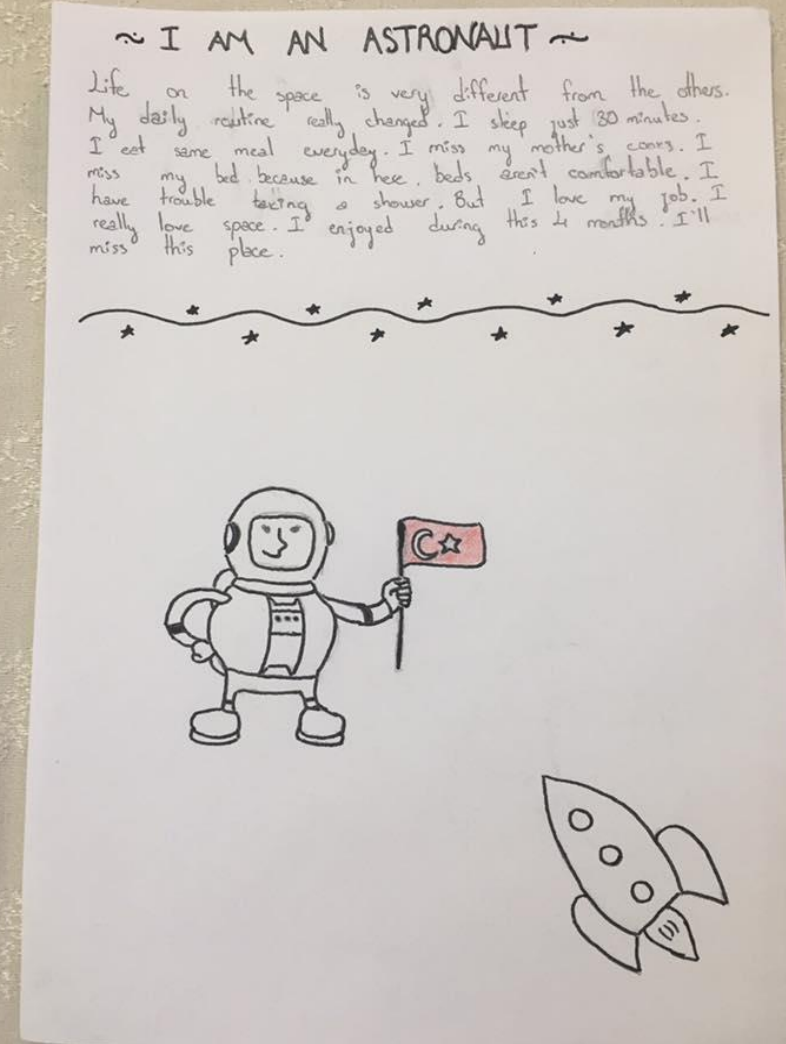
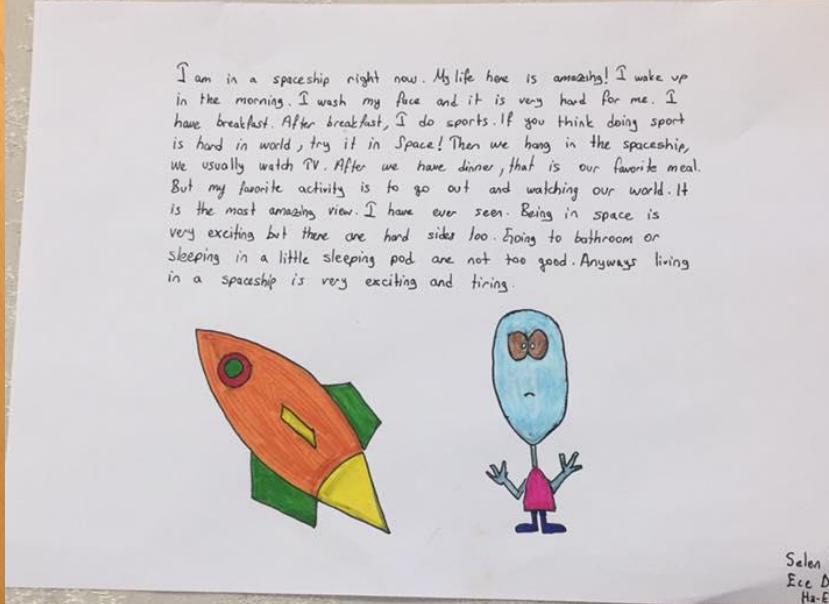
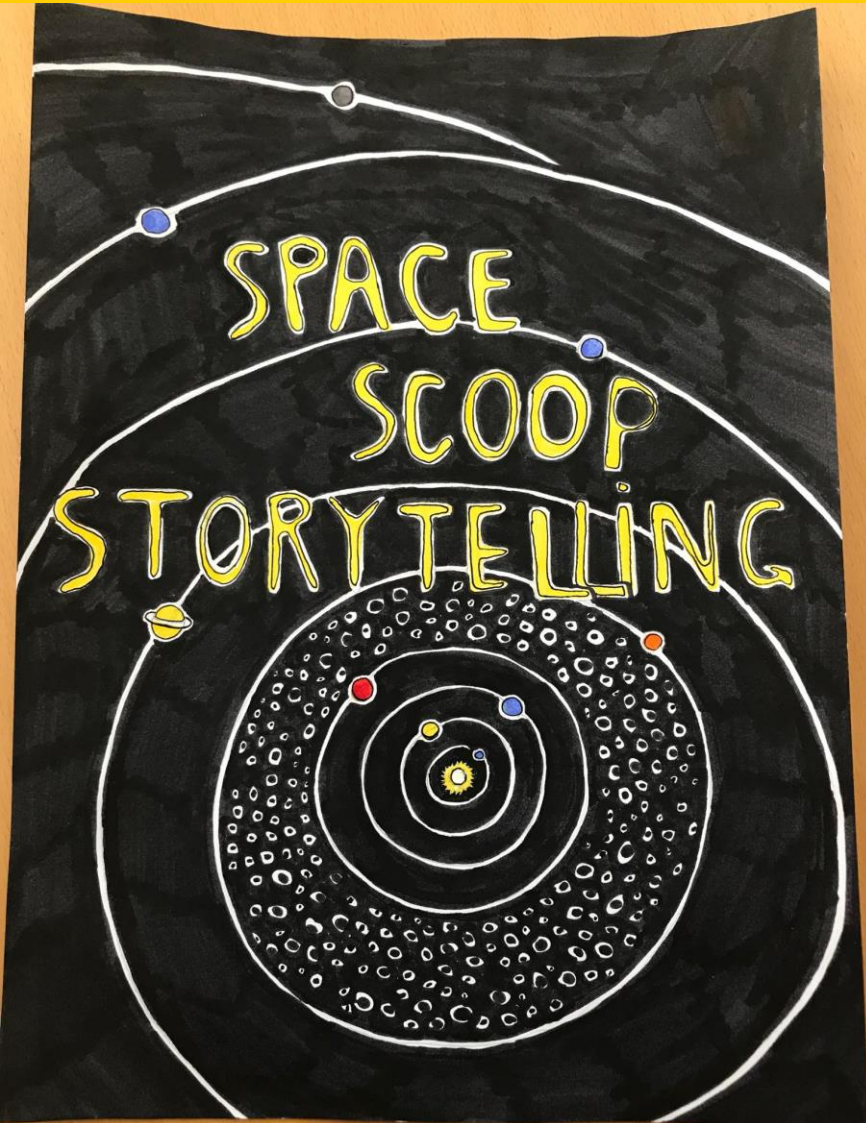
Video about the Moon. Ukraine, Zaporizhzhia

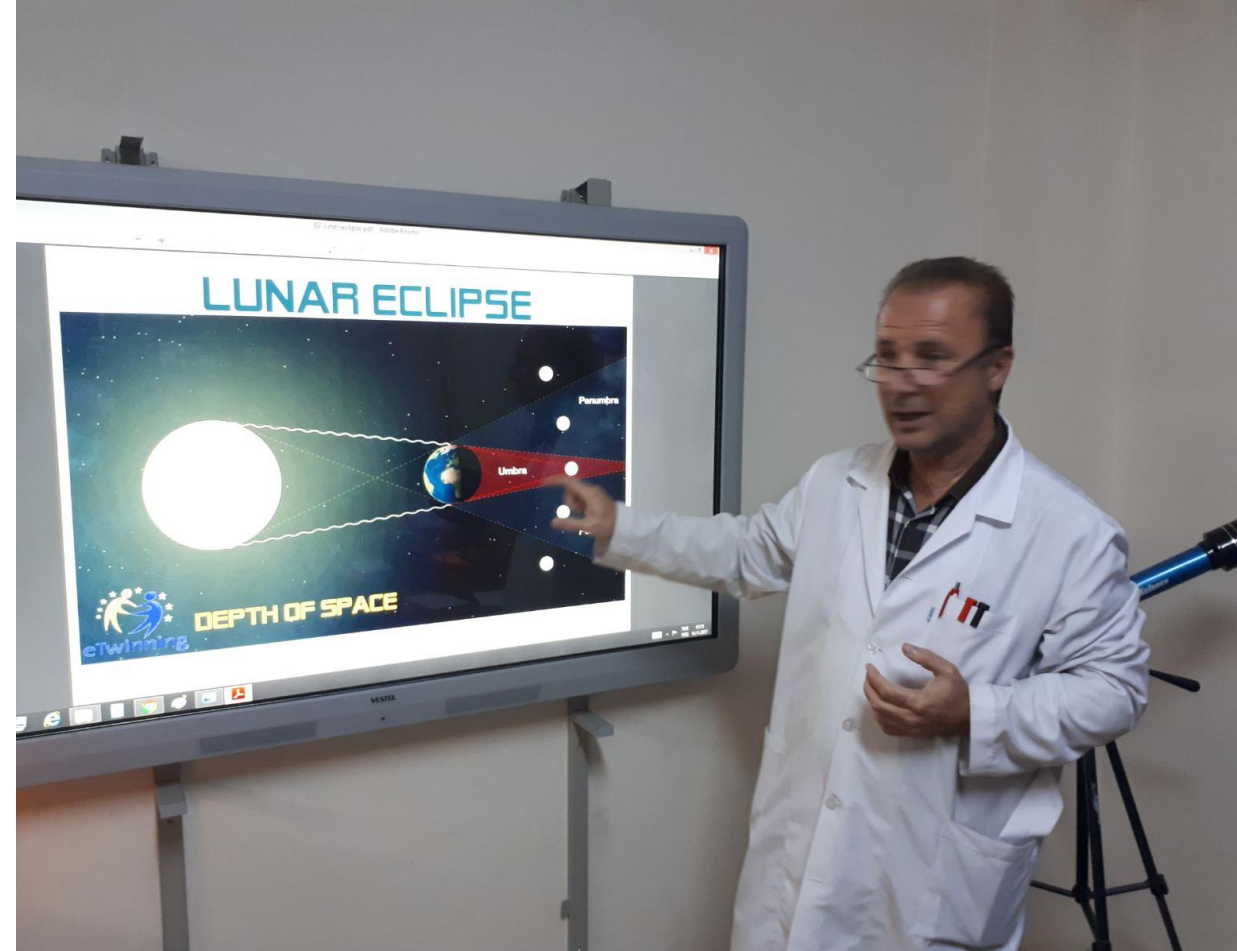
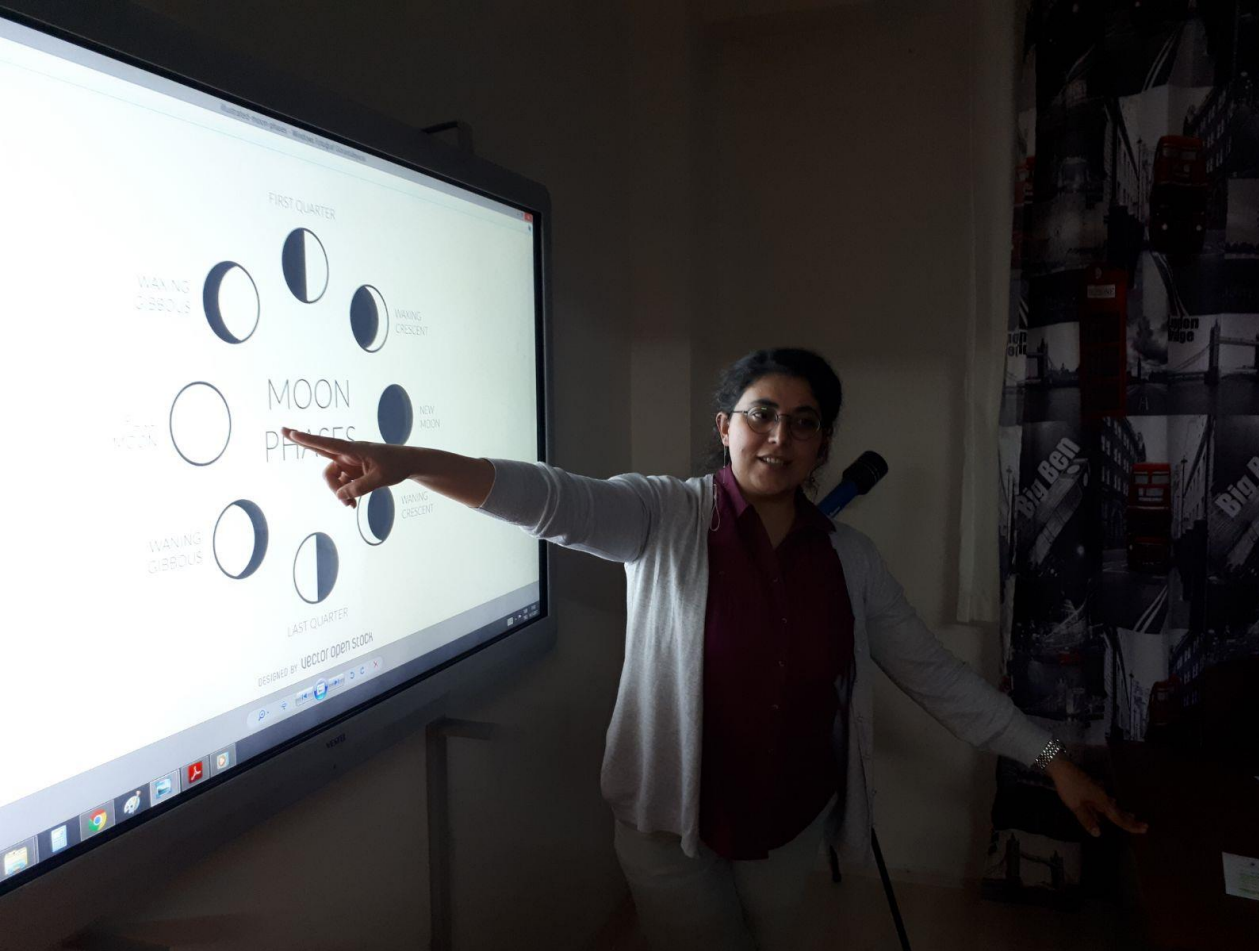


- Posted by Oksana Kholod, 20.12.2017

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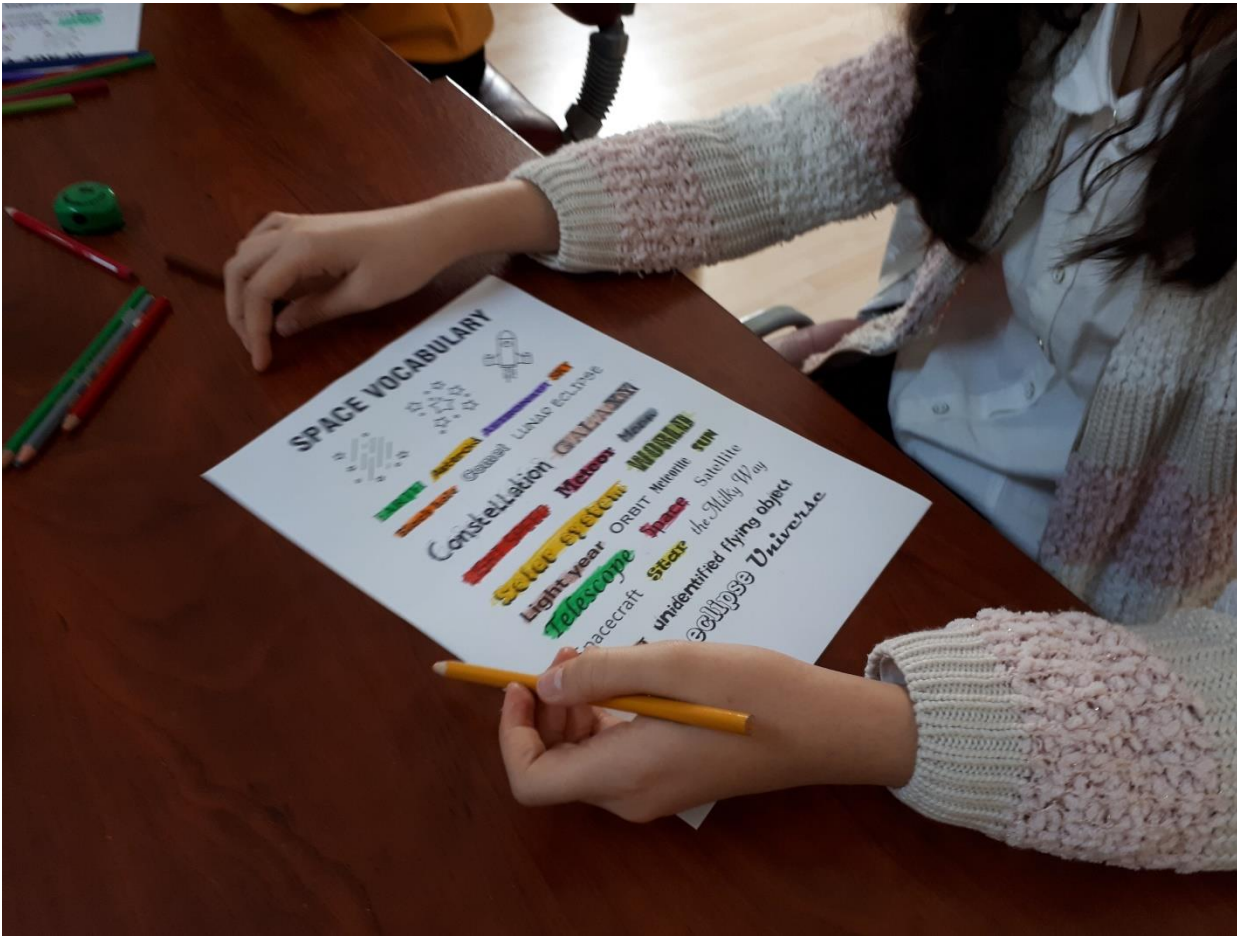


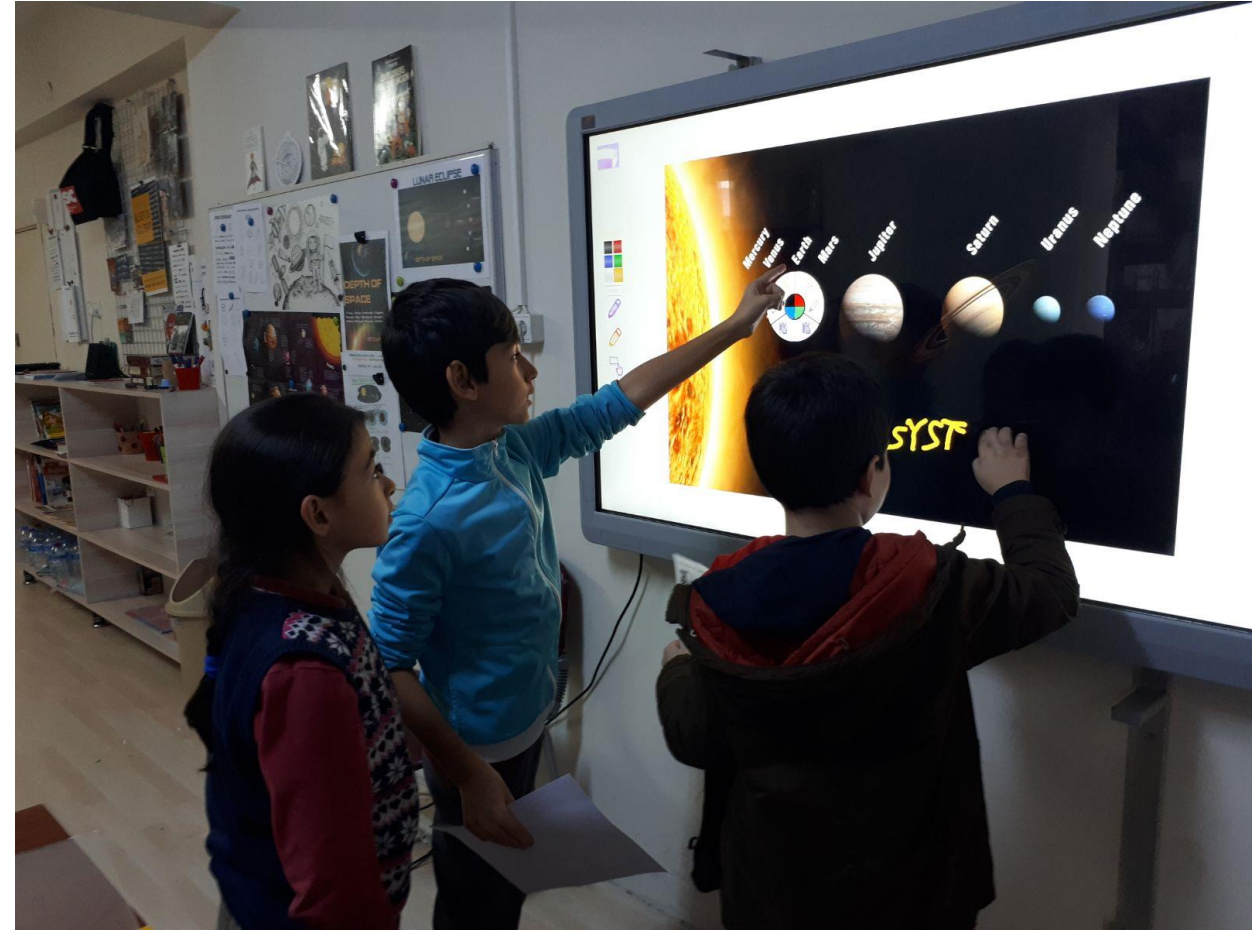














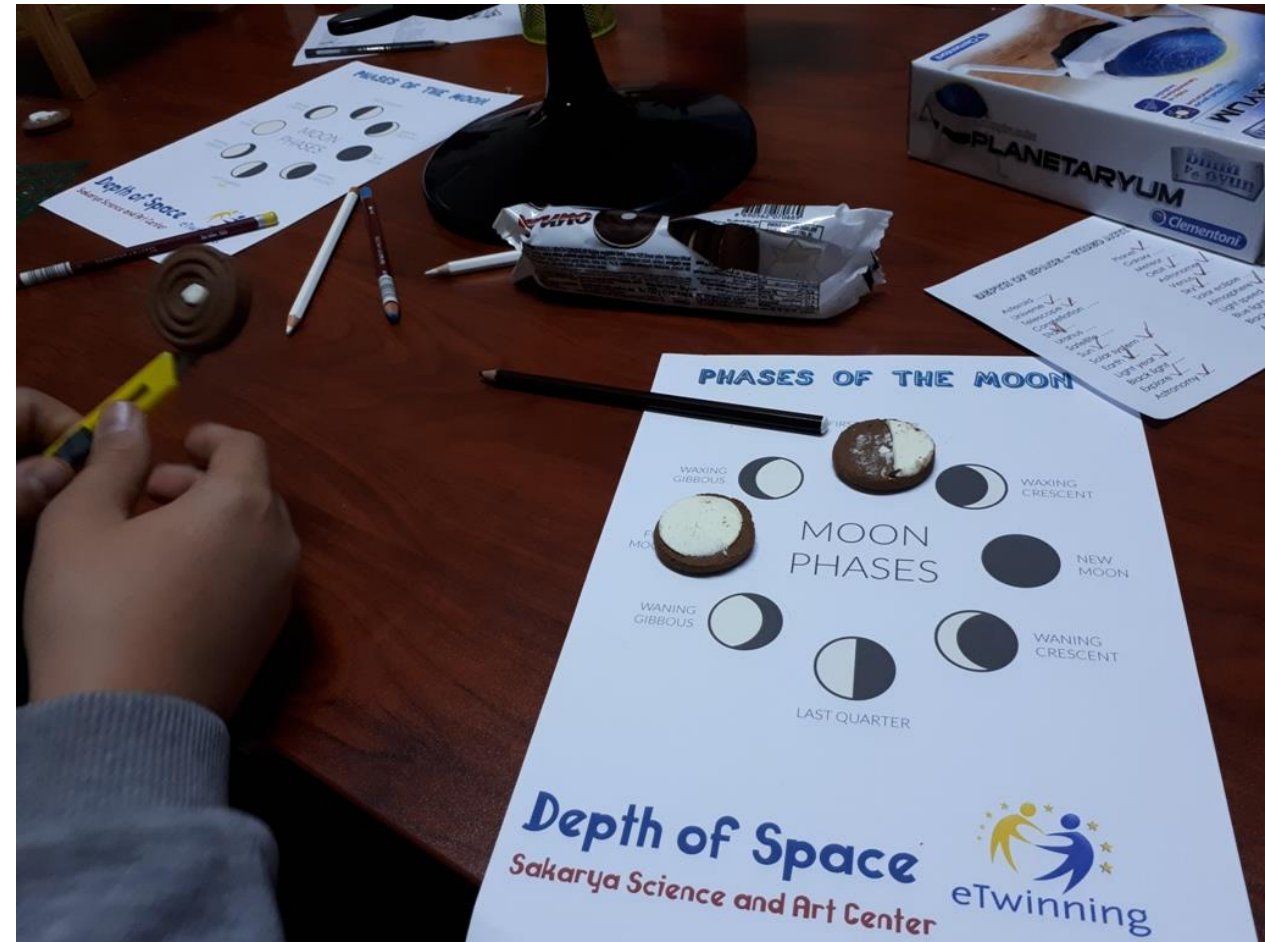
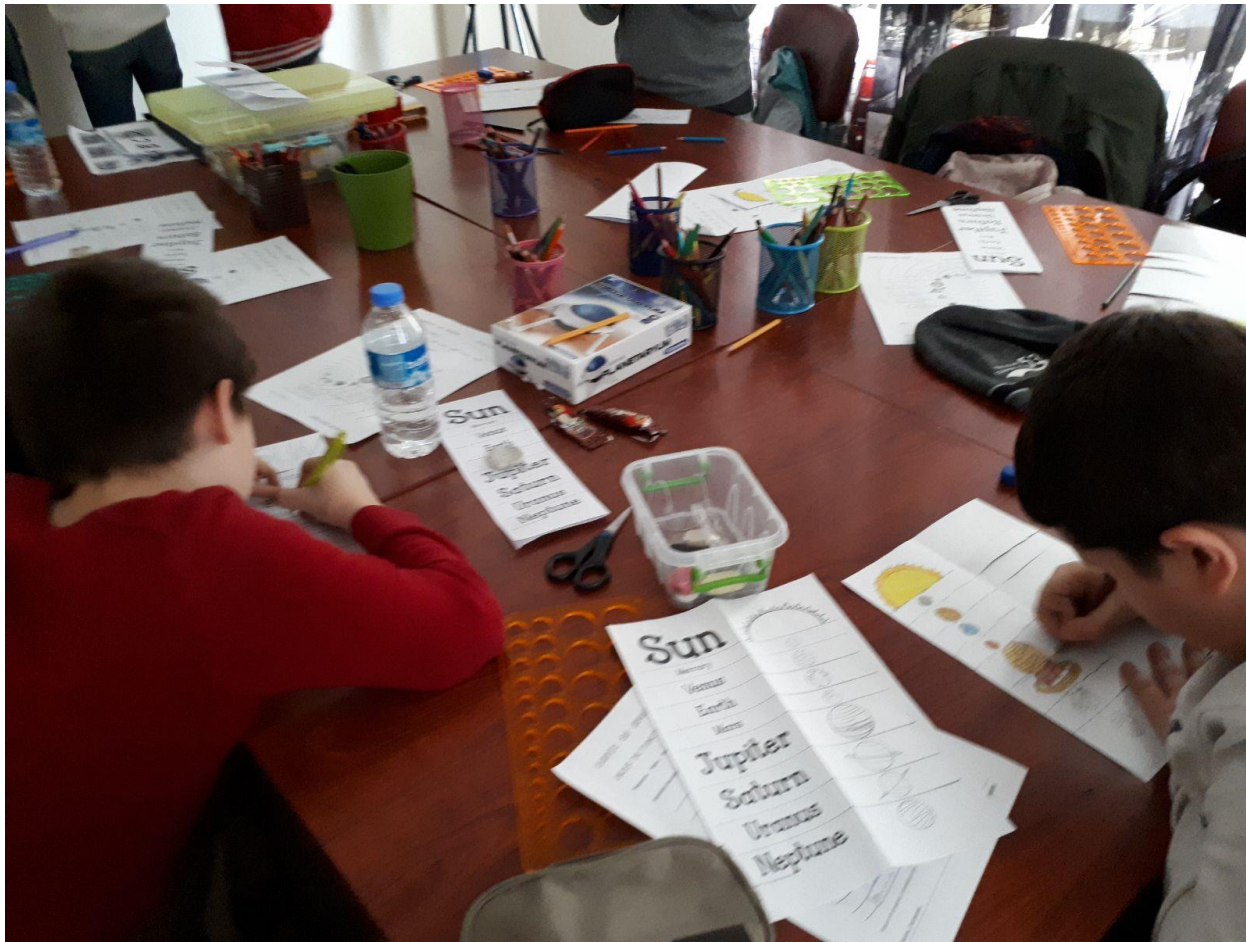


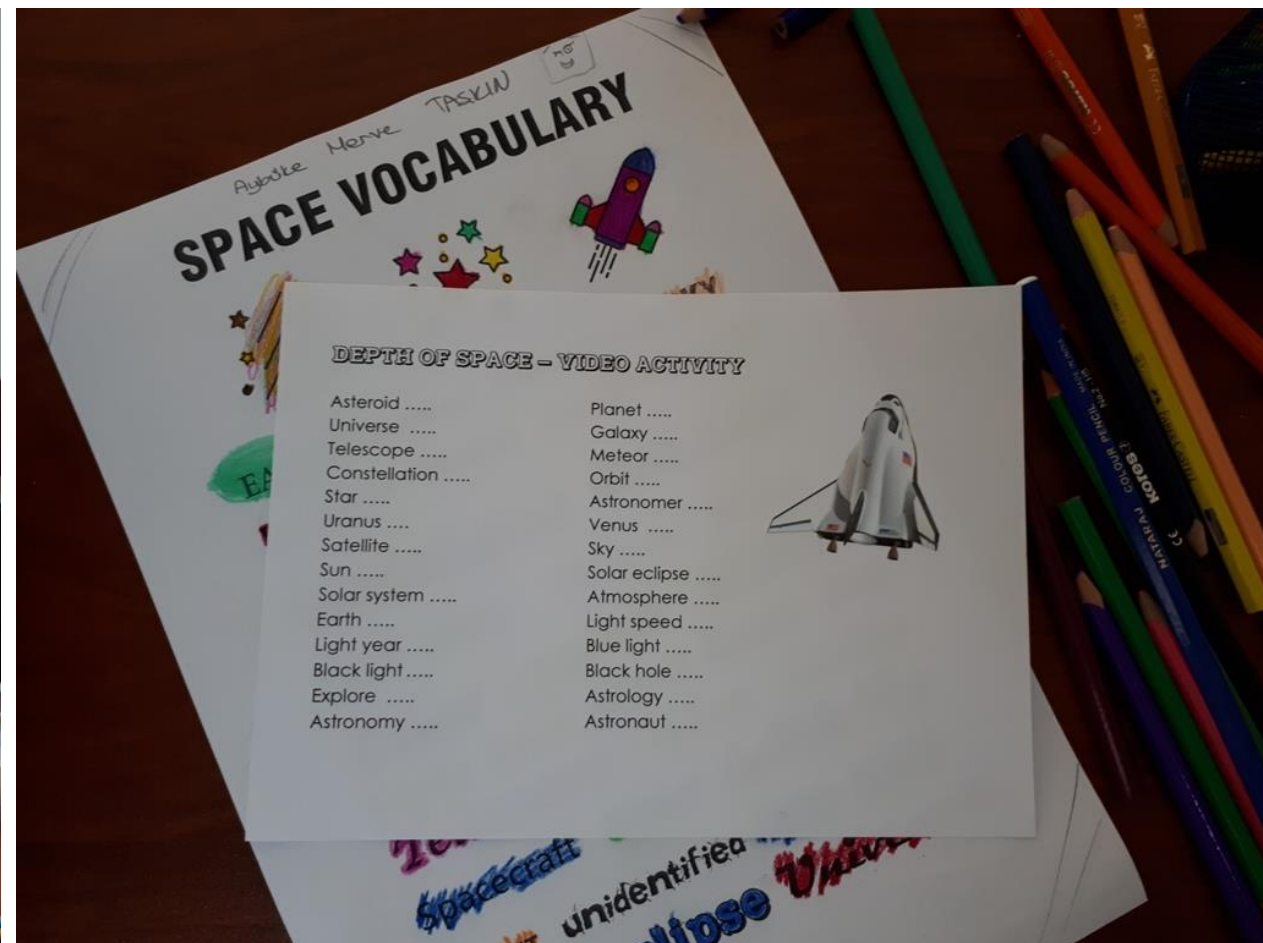


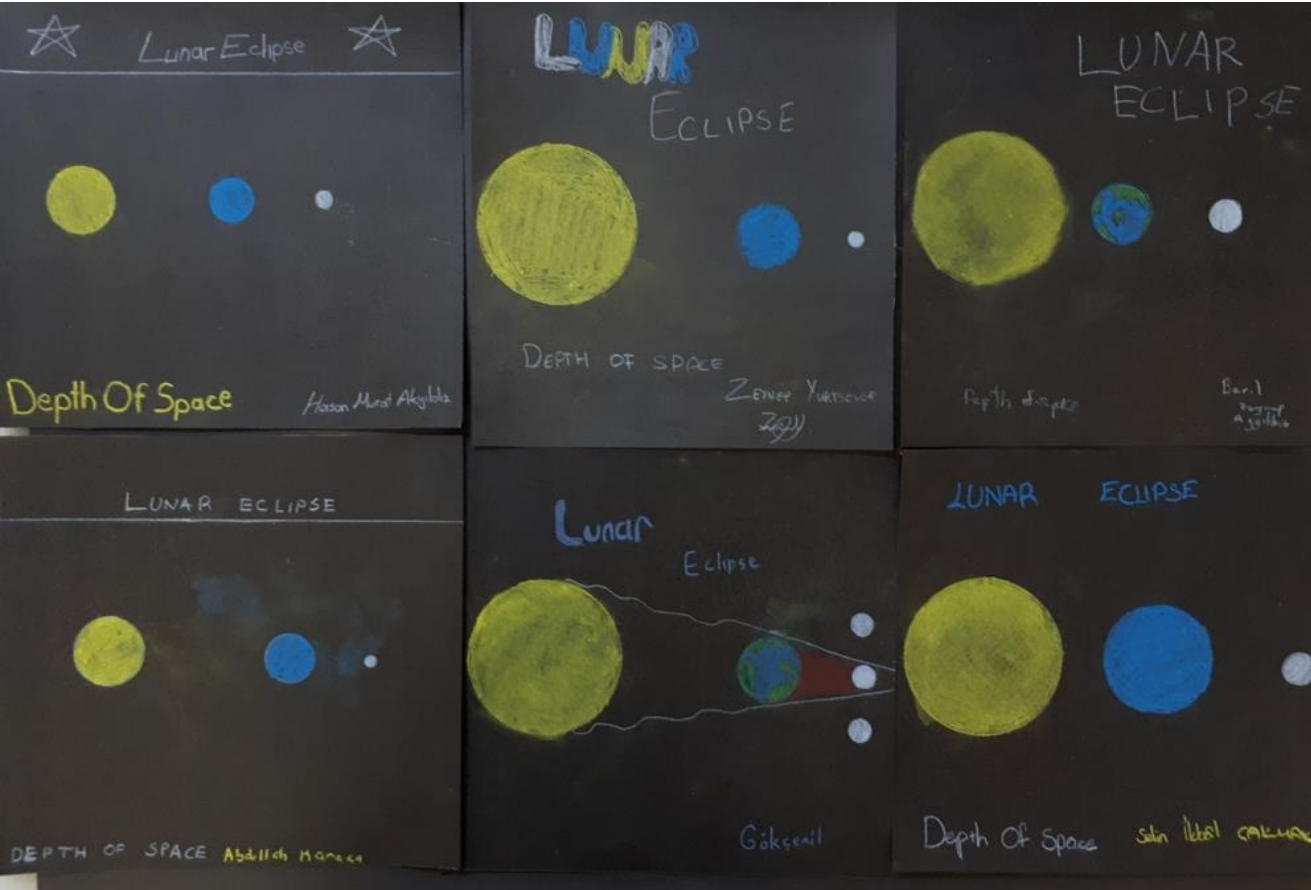






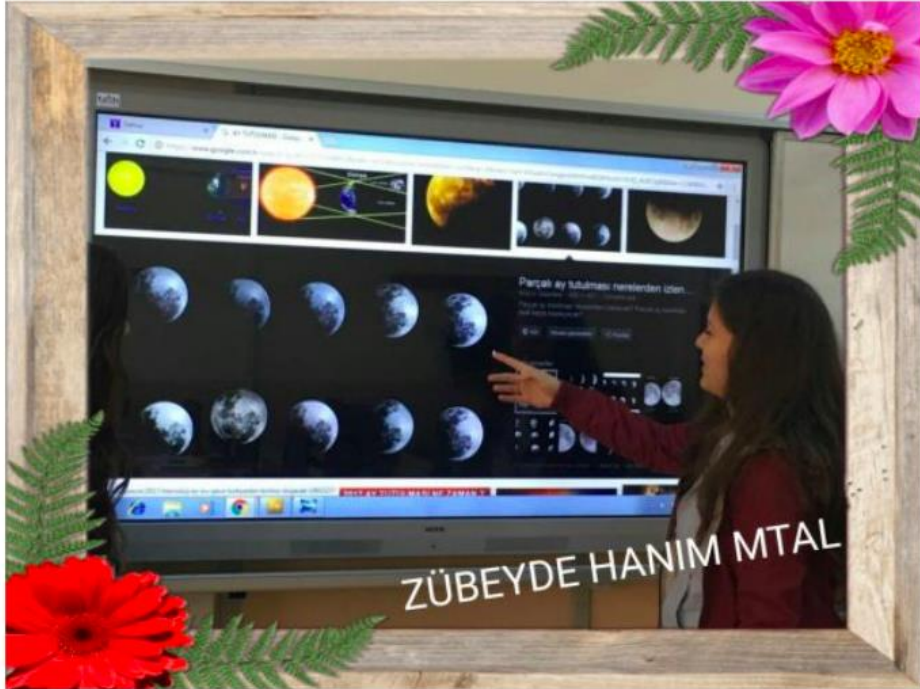












Aydın Zübeyde Hanım MTAL Depth Of Space isimli e twinning projesi



Depth of Space eTwinning projesi tanıtıldı

BEYTULLAH ÖNCE 28 Nisan 2018 01:26:13

[Beğenmek için Giriş Yapın](#)

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eTwinning Project

ABOUT DEPTH OF SPACE PROJECT OUR TEACHERS PROJECT PARTNERS PROJECT PHOTOS SAKARYA BILSEM

TÜRKÇE

Depth of Space

<http://bilsemSPACE.edublogs.org>



### Board Game: Sponge Bob on the planets!

Students enjoy playing games.  
They enjoy learning with games.



### Did you try Solar System Scope?

Solar System Scope is an online  
model of Solar System and Night



5 Pen çıkartıldı

REC

45

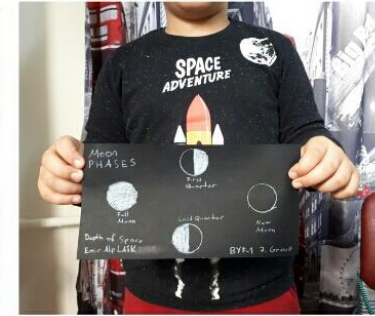
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TA\_Compences course\_re-run\_teachmeet\_presentations\_12102017...

Video

**DEPTH OF SPACE: An Interdisciplinary Project  
in English Class for the Gifted**



School Education Gateway is an initiative of the European Union. It is funded by Erasmus+, the European programme for Education, Training, Youth and Sport. It is steered by the European Commission and implemented by its Education, Audiovisual and Culture Executive Agency (EACEA).



Attendees (45)

- Nair Carrera European ...
- Reyhan Gunes
- 1. Rania Lampou
- 2. Zeynep Tas Yardımcı
- 3 - Patrícia Corado Carv.
- 4. Beytullah Önce
- 5 Tereza Lombardi
- 6. Thomas Baldauf
- 8. Vassiliki Boltsi
- 7. Khurram Shehzad

**Burcu Şık, Sakarya:**  
congrats and thank you Beytullah önce

**Vojsava Haxhiu:** Good evening





LATEST

VIEWPOINTS

RESOURCES

ERASMUS+ OPPORTUNITIES

TEACHER ACADEMY



Home > Teacher Academy > Teaching materials > Plans for Project-Based Learning from the Competences for 21st Century Schools Course Participants

## Plans for project-based learning from the Competences for 21st Century Schools course participants

Teaching material | Reading time: 2 minutes | 10.04.2018 | 0 | 8 | 0



### Latest

#### Education Toolkit: methods and techniques from museum and heritage education

Teaching material | 26.04.2018 | 0 | 1 | 0

#### Methodology and guidelines for the introduction of 3D printers as a tool in teaching experimentations in secondary schools

Teaching material | 17.04.2018 | 0 | 1 | 0

#### Computing for the rest of us

Teaching material | 10.04.2018 | 0 | 2 | 0

### Most shared

#### Language Quiz

Teaching material | 20.04.2016 | 2

The **Competences for 21st Century Schools** online course ran twice on Teacher Academy, in 2016 and 2017. As part of the course, participants produced a planning sheet for implementing project-based learning (PBL) in their classroom, incorporating many of the ideas, concepts, and activities covered on the course. The planning sheet is not a lesson plan but provides a general framework for setting out a specific PBL approach in your classroom. These PBL plans have been curated by a participant editorial board, which has reviewed and selected the plans for publication here in the Teaching Materials section. The members of the participant editorial board were appointed to the board due to their exemplary work and commitment as part of the course and include:

- Beytullah Önce
- Carlos Jorge Carvalhal Gomes
- Evangelia Triantafyllou
- Khurram Shehzad
- Lia Molini
- Nurcan Değerli
- Safta Mariana Alina
- Sevasti Malamou
- Tereza Lombardi
- Vasiliki Siamanta
- Vassiliki Boltsi
- zeynep taş



thank  
you!



eTwinning Türkiye



eTwinning Türkiye @tretwinning



[tretwinning@gmail.com](mailto:tretwinning@gmail.com)

[etwinning.meb.gov.tr](http://etwinning.meb.gov.tr)