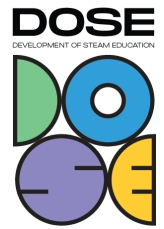


Secrets of the Moon



1. **Topic:** How does the moon affect our lives? Secrets of the Moon.
2. **Subjects:** art, crafts, drawing, humanities, mathematics, Russian, science, humanities
3. **Target group:** (age and group size): primary school 3-4 grades, 6 children per grade, simplified basic school curriculum; simplified learning
4. **Duration** of the action: October to May
5. **Mark words:**
Earth, sun, moon, satellite, full moon, new moon, rising moon, aging moon, tidal rise, tidal calendar, lunar calendar, telescope, planetarium, moonwalker, astronaut, spacesuit
6. **Summary:**

Students will learn why the Moon is important in people's lives, how the Moon affects people and the Earth, and whether the Earth affects the Moon; why people often use a monthly calendar and call it a health calendar; why can't holidaymakers do without a monthly calendar? We decided to find answers to these questions. That's how the idea to create our project was born. In compiling the project, we researched and used reference literature, periodical materials and Internet resources. Due to the fact that the project is carried out in primary schools for children with special needs, the material was adapted to the individual characteristics of the students, more visibility and practical activities. The tasks are mainly focused on the development of general and fine motor skills, social, communication and cognitive skills.

1. List of materials, environments and tools:

- Print and cut a monthly template
- Application
- Video master classes "Month" (handicraft)

<https://e-ipar.ru/podelki/podelki-iz-bumagi/luna-iz-bumagi>

• Kuu teemalised laste multikad

<https://www.youtube.com/watch?v=iTz0ccHdiwE>

<https://www.youtube.com/watch?v=GuVOx4HJpTg>

<https://www.youtube.com/watch?v=VyS24tPlhLY>

<https://www.youtube.com/watch?v=bZecWkPhpCw>

<https://www.youtube.com/watch?v=bUfdiPwtSRq>

https://www.youtube.com/watch?v=Lej4l2Hia_Q

<https://www.youtube.com/watch?v=LiYviw47R0M>

<https://www.youtube.com/watch?v=Kppuedm8F1I>

<http://www.voprosy-kak-i-pochemu.ru/luna-i-zemlya>

<https://selena-luna.ru/dannye-o-lune/cvet-luny/>

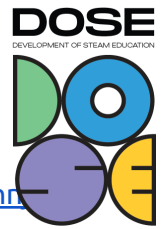
<http://www.vseznaika.org/priroda/pochemu-svetit-luna/>

<https://stellarium-web.org/> - виртуальный планетарий

• Etnology

<https://www.youtube.com/watch?v=erjU85zyD08&t=59s>

Secrets of the Moon



- **Worksheet**

<https://docs.google.com/document/d/11xbpBsheujhOWxowO8ZPXLBr3e-hYGXF227hrk/edit>

- **Test**

<https://docs.google.com/forms/d/1aS-I0ck2vQ10u38scCOIRbOeQljz8eelA35tpTRTres/edit>

- **Tasks**

<https://docs.google.com/document/d/1G9JqY5JLq6Hiq39bFzSn1wo3P35SjxxcAY1r1tZ5MOw/edit>

- **Sayings about the Moon**

- **Worksheet**

<https://docs.google.com/document/d/1n4zCdNk9ujzwFpzYURsgMbxZn6HzipVLCRZFfSSOe9oE/edit>

- **Storis of the moon**

<https://estonskie-skazki.larec-skazok.ru/solnce-luna-i-zvezdy>

<https://albanskie-skazki.larec-skazok.ru/kak-solnce-i-luna-drug-k-drugu-v-gosti-hodili>

<https://filippinskie-skazki.larec-skazok.ru/kak-poyavilas-luna>

https://detskiychas.ru/sochinyaem_skazki/skazka_pro_lunu/

<https://avstralijskie-skazki.larec-skazok.ru/kak-poyavilas-na-nebe-luna>

<https://chuvashskie-skazki.larec-skazok.ru/kak-lovili-lunu>

<https://skazochka.online/chitat-skazki/avtorskie/pro-lunu-i-solnce.html>

http://rulibs.com/ru_zar/child_tale/gerasimov/0/j36.html

<https://azku.ru/skazki-narodov-okeanii/kak-poyavilas-na-nebe-luna.html>

<https://deti123.ru/skazka/luna>

<https://popugaichik.livejournal.com/1431075.html>

<https://www.chukfamily.ru/kornei/tales/toptygin-i-luna>

<https://imom.me/skazka-pro-devochku-kotoraya-iskala-lunu-skazka-dlya-detej-5-let/>

<http://santyaguarundito.blogspot.com/2021/02/28.html>

<http://santyaguarundito.blogspot.com/2019/06/blog-post12.html>

<https://yapishu.net/book/144872>

<https://www.youtube.com/watch?v=bXBEwdFYJw>

- **Experiment**

<https://docs.google.com/document/d/132cdsBK7lwH-IFDcvHzTGS0u7MLT95jn/edit>

- **Moon magazine**

https://docs.google.com/document/d/1dUp8A_vDrwiog0smdZ9K41vmQPfKbMc4/edit

- **Moon calculator**

- **Interesting facts about the moon**

https://www.youtube.com/watch?v=Lej4l2Hia_Q

https://www.youtube.com/watch?v=Rxv0Yu_XiJU

7. Detailed instructions:

Secrets of the Moon

October-November

- A story about where the moon lives and what role it played in the life of our ancestors
Viewing a presentation.
- Cartoons about the Moon for children (viewing, doing tasks, coloring)
- Folk signs associated with the Moon (worksheet, test)
- Riddles about the moon, sun, stars (worksheet)
- Proverbs and sayings about the moon (worksheet)
- Tales of the moon (viewing, completing tasks, coloring)

December-January

How did the moon appear on earth? Changing the shape of the moon

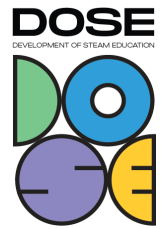
- A story about how the moon was formed, a comparison of the sizes of the Earth and the Moon (model of the solar system). Acquaintance with the different states of the Moon, how far from the Earth the Moon is, what the surface of the Moon looks like, whether there are life conditions on the Moon. Presentation.
 - Bee-Bot (moon phases, earth, sun)
 - Visual activity
 - Conducting experiments:
 - The emergence of the moon.
 - The emergence of craters.
 - Moon templates for printing and cutting
 - Volumetric moon and month
 - Applications
 - Video master classes on the theme of lunar crafts

February

Observations, phases of the moon. Telescope

- Excursion to the virtual planetarium <https://stellarium-web.org/>
- Lunar calendar and calculator, current 2022 model
- Practical work: making a lunar calculator
- Observing and compiling a calendar of the phases of the moon in a particular month (joint work with parents - lunar journal)
- Comparison of the results obtained from the lunar journal with the lunar calculator
- Determining the time of moonrise and moonset in the sky for a specific date
- Determining by the calendar how many days the moon grows and wanes in a particular month
- Determining the day of the full moon and new moon in a particular month according to the calendar
- Preparation of the telescope for observations, its installation, aiming at the target

Secrets of the Moon



March-April

The Earth would be bored without a Mon! Moon's influence on Earth. How is your little sister?

- A story about what would happen to the Earth if there was no Moon. Acquaintance with the concepts: "tides", "ebb". The influence of the Moon on man, on the growth of plants and animals. Presentation
- Watching Movies
- Bee-Bot (the influence of the Moon on the well-being of humans, animals, ebbs and flows)
- Working with parents: observing the behavior of pets (growing, waning, full moon). Photos of pets.
- Practical work and observation: planting plant seeds (peas, beans) on the waxing and waning moon. Results of observations.

May-June

Man on the Moon

- The story that the Moon is the only world besides the Earth where man has visited. Why don't people live on the moon? Acquaintance with the first man who left a mark on the moon. Lunokhod is a means of transportation on the Moon. Cosmonauts. Presentation.
- Creative activity: drawing a lunar rover, an astronaut. Video viewing.
- <https://www.maam.ru/detskijasad/detskii-master-klas-po-aplikaci-lunohod-ko-dnyu-luny-na-maam.html>
- <https://www.my-karnaval.ru/info/kostyum-kosmonavta-svoimi-rukami/>
- Mobile and board games "Cosmonauts"
- <https://deti.parafraz.space/igryi-i-konkursyi-dlya-detey-na-den-kosmonavtiki/>
- Excursion to science center with planetarium

8. **Goals:**

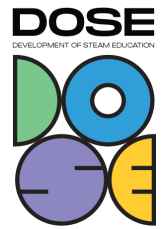
Student

- Knows what the word "Moon" means and how it relates to the Earth
- Knows how the moon came about
- Knows the different states of the Moon
- Can work with the monthly calendar and the current 2022 calculator
- Has an idea of the telescope, knows how to observe
- Knows the effect of the Moon on Earth's life and inanimate nature
- Must get acquainted with the methods of examining the surface of the Moon

9. **Assessment:**

Verbal assessment in basic school: coping with help coping, coping with joint activities, not coping- Assessment takes into account the individual characteristics of the students.

Secrets of the Moon



10. Refleksioon ja soovitud tegevuse läbiviijale:

The project material can be used by primary school teachers in the classroom and in extracurricular activities.

11. Lisainfo ja materjalid:

https://www.canva.com/design/DAE5HDA_rcY/view

12. Kontakt: Tallinna Kadaka Põhikool ,

Liilia Selevjorstova e-mail: liilia.selevjorstova@kadakakool.edu.ee,

Sergei Luchkin e-mail: sergei.luchkin@kadakakool.edu.ee