



# Teacher cooperation in participating in international and national STEAM projects

2025





- **Teachers' cooperation with other institutions, through participation in national and international projects, is an important part of the modern educational process, promoting professional development, exchange of experience and improvement of the quality of education.**



# International STEAM project for preschool and pre-school education institutions "With wings towards a dream"

01.

Goal: Using STEAM methods, to promote children's cognitive development, technical thinking, to create an opportunity for children to reveal their creativity, initiative, and experience the joy of learning.

The project is intended to develop STEAM activities, to mark the anniversary of the creators of the ANBO aircraft and Lithuanian aviation.

The children got acquainted with Lithuanian aviation and its history. They found out what the parts of an airplane are, why they fly. They compared airplanes made today and those made in the past. Using various constructors and other tools, the children created their own airplanes. They learned to connect the parts so that the structure would hold. They created, tested, repaired and were happy with the results of their work. They discussed their airplanes, how they succeeded in making them, what was difficult and what else they would change. The children participated in the activity with great interest and desire and enjoyed playing with their creations.





**2025**  
**Ačiū, kad dalyvaujate projekte!**  
**Thank you for taking part in the project!**

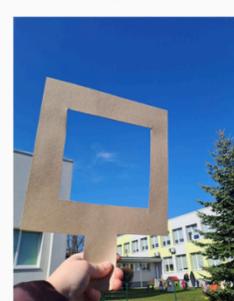


# INTERNATIONAL STEAM PROJECT FOR PRESCHOOL AND PRESCHOOL AGE CHILDREN AND TEACHERS "WATER JOURNEY: FROM CLOUD TO EARTH"

# 02.

The goal is to promote children's understanding of the importance of water by introducing children to the water cycle in nature and the importance of preserving it through various STEAM areas, developing creativity, research skills, social responsibility, and the ability to solve problems collaboratively.

This is an integrated STEAM activity in which children became researchers, creators and observers. After making an "observation frame", they learned to concentrate, notice changes in the sky and understand where the journey of water begins (evaporation and condensation). They conducted research in a bag of water and a bowl of ice cubes, thus simulating and observing the change of states of water - from solid to liquid, from liquid to vapor. They had the opportunity to feel all the properties of water with their sensory senses. They developed fine motor skills by visualizing "water storages", demonstrating heavy clouds from which it starts to rain. During the activities, ecological awareness was developed - they were encouraged to value water as a vital element of nature.



# STEAM PROJECT "TO THE MOON WITH LEGO"

03.

Goal: To expand children's knowledge about the world using Lego and STEAM educational methods.

For several days, children were told about the moon and airplanes. Children raised discussion questions about how it would be possible to fly to the moon, what kind of vehicle it should be to make the trip safe. To solve challenges and achieve the set goals, targeted tools were used, opportunities were created to understand problems, research, act actively, cooperate, improve engineering and mathematical skills, and reflect.



## PADĖKA



Reda Lankauskienė

UŽ DALYVAVIMĄ RESPUBLIKINIAME  
IKIMOKYKLINIO IR PRIEŠMOKYKLINIO UGDYMO  
ĮSTAIGŲ STEAM PROJEKTE  
„SU LEGO IKI MĖNULIO“

PROJEKTO  
ORGANIZATORĖS

2025



# REPUBLICAN VIRTUAL PROJECT OF PRE-SCHOOL AND PRE-SCHOOL EDUCATION INSTITUTIONS "TREE OF LIFE 2025"

04.

Goal: To develop children's creativity, knowledge of nature, and spiritual values through cognitive and practical activities related to the symbolism of the Tree of Life.

During the project, the children explored their immediate environment – the trees growing in the kindergarten and park, their leaves, and bark. They listened to the chirping of birds, the rustling of the wind, and discussed what sounds can be heard in nature. Using magnifying glasses, the children explored insects and plants, learning to observe and notice details carefully.

Live observation, exploration, and the opportunity to express their impressions through creative activities stimulated their curiosity, activity, and self-expression, and developed natural science values.



# Republican STEAM activities STEAM exhibition "STEAM 06. Easter Egg"

Goal: to promote creativity, exploration and cognition in early childhood, applying the principles of STEAM education.

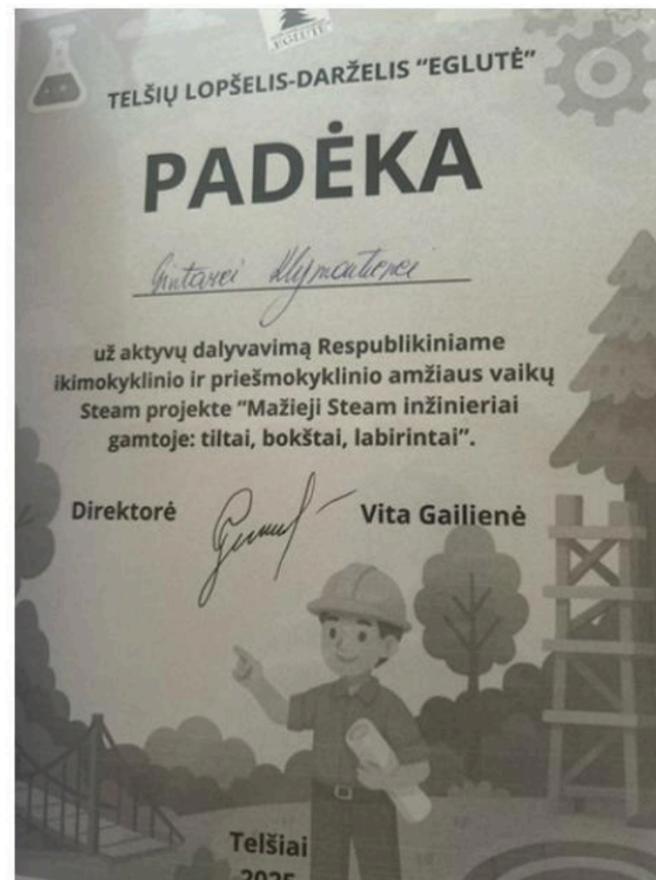
Children constructed and experimented with various materials, developed fine motor skills and creative thinking.



# STEAM project "Little STEAM engineers in nature" 07.

Goal: to develop children's engineering abilities and problem-solving skills.

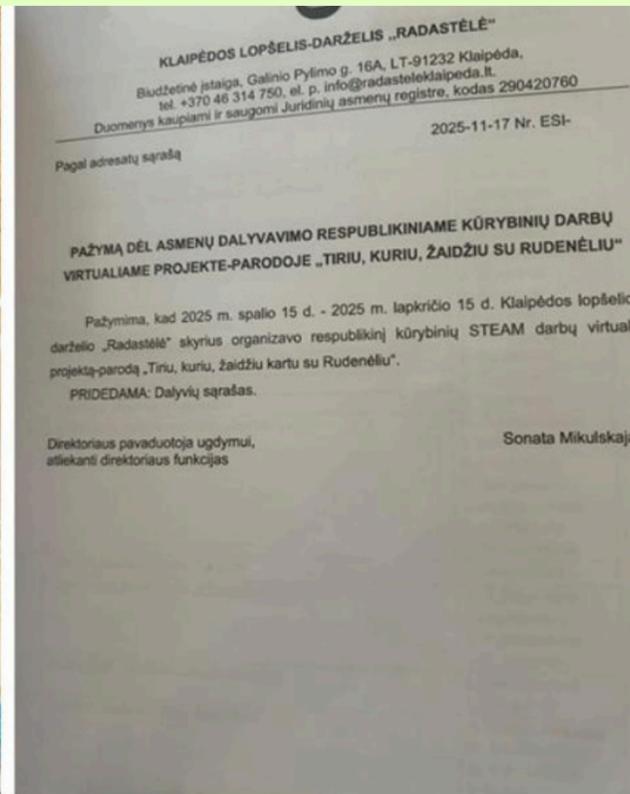
Children built towers and bridges from recycled and natural materials, planned and collaborated.



# STEAM project "I explore, create, play with Autumn" 08.

**Goal: to promote children's knowledge and creativity through experiential STEAM activities.**

**Children explored autumn natural materials, created crafts and learned through play.**



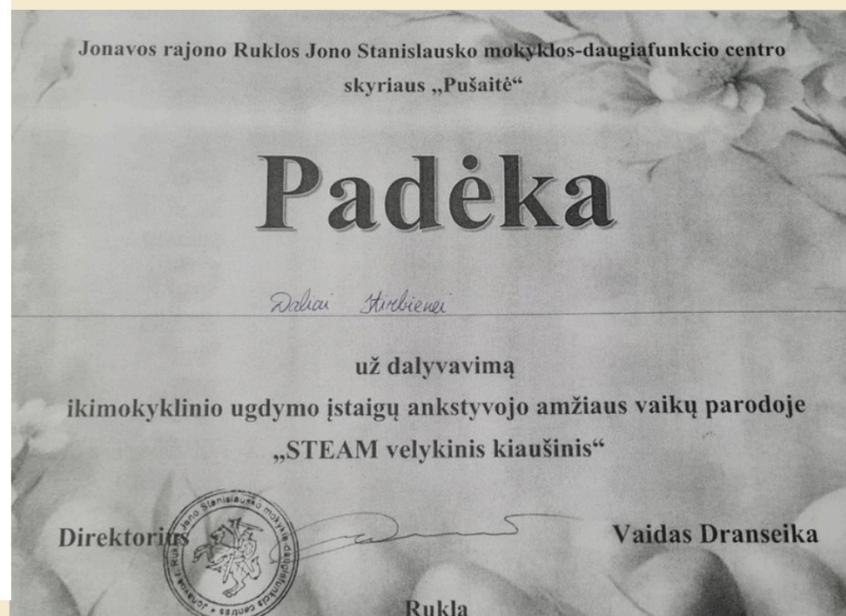
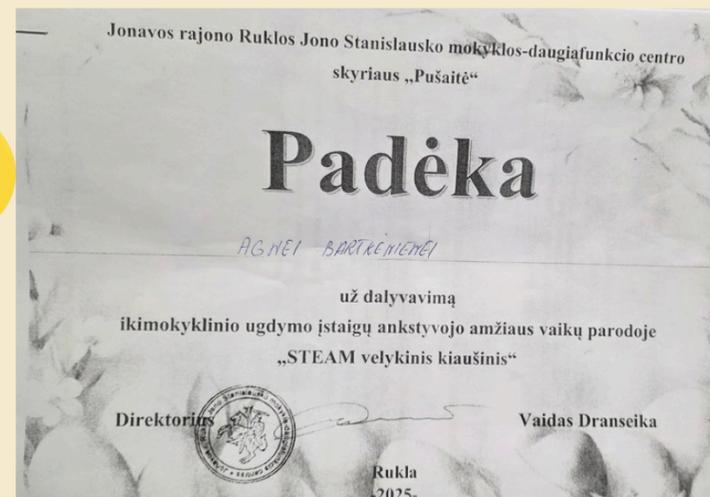
# Republican STEAM activities STEAM exhibition "STEAM Easter Egg"

09.

Goal: to promote creativity, exploration and knowledge in early childhood, applying the principles of STEAM education.

The children divided into teams and agreed on what tools they would use to create and construct an egg. The children experimented with various materials, developed fine motor skills and creative thinking.

For

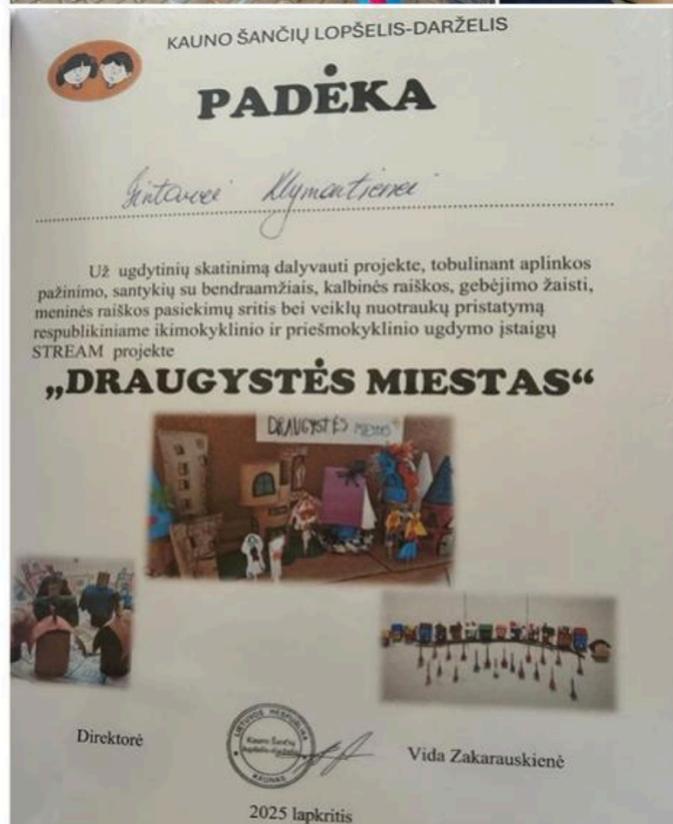


10.

## STEAM Virtual Project "Friendship City"

Goal: To develop children's social and collaborative skills through creative STEAM activities.

Children created "Friendship City" from recycled materials, constructed and played together.



# Republican project for preschool and kindergarten children "Give a tree a smile"

11.

The goal is to develop children's emotional awareness, creativity, and connection with the natural environment through observation of nature, exploration of the senses, and creative activities.

Children collected and studied natural materials, discussed their properties and materiality; created smiley faces to decorate trees. Children developed cognitive skills, community spirit, and creativity.



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ŠIAULIŲ ŠVIETIMO KOMPETENCIJŲ CENTRAS

**PAŽYMĖJIMAS**  
2025-11-28 Nr. 10364

Eleonora Plauškienė  
2025 m. lapkričio 28 d.

parengė ugdytinį (-ius) ir dalyvavo 6 akad. val. trukmės respublikiniame ikimokyklinio ir priešmokyklinio amžiaus vaikų projekte „Padovanok medžiui šypseną“.

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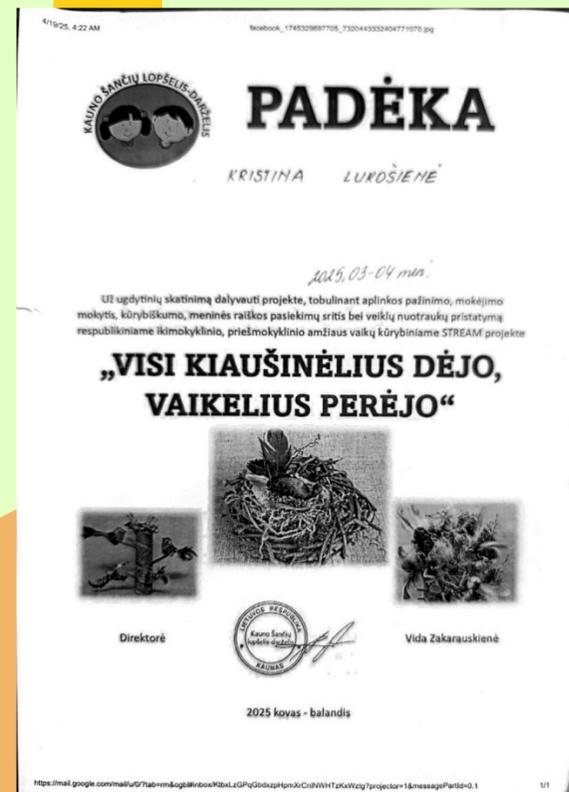
# Republican creative STEAM project for preschool and primary school children

## "ALL THE EGGS WERE LAYED, THE CHILDREN WERE PATCHED"

12.

**GOAL:** To encourage children to be interested in wildlife, the diversity of birds, and to seek creative expression by creating birds and their nests.

Children learned what a bird's nest looks like, developed their imagination, creativity, and ability to work in a team while creating a bird's nest, deepened their knowledge about the use and possibilities of secondary raw materials, and "placed" them in nests and nest boxes.



# Long-term international STREAM project "Through childhood on the path of books"

13.

Goal: To expand children's knowledge about the world around them using fairy tales and STREAM educational methods.

Every month, children were read excerpts from fairy tales that raised certain discussion questions and challenges. To solve the challenges and implement the set goals, targeted tools were used, and opportunities were created to understand problems, research, act actively, cooperate, improve engineering and mathematical skills, and reflect.

