

GĂDINIȚA CU P.P. „SCUFIȚA ROȘIE”  
ALBA IULIA, ROMÂNIA  
Director: Prof. Seicjan Maria  
Nr. 217 din 10.12.2020

KAUNO MENŲ DARŽELIS  
„ETIUDAS”. LITHUANIA  
Director: Prof. Regina Žukauskienė  
Nr. ....din...11.10.2020



**STEAM education in  
kindergarten - discoveries,  
experiments, research**



**INTERNATIONAL PROJECT**



**FOUNDER OF THE PROJECT:**

Prof. Aušra Rašytinienė – Kauno menų darželis „Etiudas”, Lithuania.

Prof. Bîzu Georgiana – Grădinița cu P.P. „Scufița Roșie”, România.

## **PROJECT DESCRIPTION:**

Even at preschool age, children observe the environment around them, the ongoing phenomena and changes in the lives of all of us. However, whether children become interested in the processes around them, or become part of it, all depends on the educator's efforts and ability to involve children into this using new forms, methods and tools.

STEAM education can be used for this purpose - integral development of children's abilities in the context of natural sciences, mathematics, technology and engineering, which focuses on complex cognition of reality phenomena, application and problem solving. By sharing their researches, discoveries, experiences, impressions, children improve, become comprehensive personalities, are able to enjoy, learn to improvise, become self-confident, open, are able to act and make decisions in a variety of circumstances. The international project is aimed at children aged 3-6. The project will start in September 2020 and end in May 2021.

## **TEACHERS INVOLVED IN THE PROJECT:**

Prof. Asta Rasteniene, Kauno menų darželis „Etiudas“, Kaunas, LITUANIA;

Prof. Asta Želionienė, Šiaulių lopšelis-darželis „Coliukė“, Šiauliai, LITUANIA;

Prof. Aušra Rašytinienė, Kauno menų darželis „Etiudas“, Kaunas, LITUANIA;

Prof. Ayfer EKİZ, Ula Anaokulu, Ula, TURCIA;

Prof. Ayşegül Deniz, Zübeyde Hanım Anaokulu, Karesi, TURCIA;

Prof. Berrin Elma, Gököy Ahmet Naci Coşkunoğlu İlkokulu, Bodrum, TURCIA;

Prof. Betül Özlen Çirak, Günlükbaşı İbrahim Gül Anaokulu, Fethiye, TURCIA;

Prof. Birutė Balsaitienė, Kauno lopšelis-darželis „Žvangutis“, Kaunas, LITUANIA;

Prof. Daiva Jakienė, Kretingos lopšelis-darželis „Žilvitis“, Kretinga, LITUANIA;

Prof. Dalia Janulčikienė, Kauno lopšelis-darželis „Spindulys“, Kaunas, LITUANIA;

Prof. Derya Doğan, Şehit Sefa Altınsoy İlkokulu, Merkez, TURCIA;

Prof. Derya Özkıdık, Buharaevler Anaokulu, Merkez, TURCIA;

Prof. Elena-Georgiana Bîzu, Grădinița cu P.P. „Scufița Roșie“, Alba Iulia, ROMÂNIA;

Prof. Esra Baykara, Mustafa Gülsiye Külcü Anaokulu, Bodrum, TURCIA;

Prof. Filiz Sarıçay, Mustafa Gülsiye Külcü Anaokulu, Bodrum, TURCIA;

Prof. Ilze Veidmane, Jūrmalas pirmsskolas izglītības iestāde "Zvaniņš", Jūrmala, LETONIA;

Prof. Irena Šėgždienė, Klaipėdos lopšelis-darželis „Versmė“, Klaipėda, LITUANIA;

Prof. Jurgita Dikšaitenė, Kauno menų darželis „Etiudas“, Kaunas, LITUANIA;

Prof. Justė Labukienė, Kauno lopšelis-darželis "Vaikystė", Kaunas, LITUANIA;

Prof. Jūratė Grišmanauskienė, Kauno menų darželis „Etiudas“, Kaunas, LITUANIA;

Prof. Karina Stainienė, Kretingos lopšelis-darželis „Žilvitis“, Kretinga, LITUANIA;

Prof. Meropi Mastori, 3rd kindergarten of Trilofos , Thessaloniki, Trilofos, GRECIA;

Prof. Miglė Stankevičiūtė, Kauno lopšelis - darželis "Šarkelė", Kaunas, LITUANIA;

Prof. Mine Serhat, Atatürk İlkokulu, Ortaca, TURCIA;

Prof. Nicoletta Hustiu, Scoala Gimnaziala Nr. 3, Cugir, Cugir, ROMÂNIA;

Prof. Semra Ayata, Mentese Sosyal Bilimler Lisesi, Mentese, TURCIA.

**LANGUAGE:** English, lietuvių kalba, Русский, Romanian.

**TARGET GROUP:** preschoolers from 3 to 6 years from Lithuania, Romania, Turkey, Latvia and Greece.

**PRESCHOOLERS INVOLVED IN THE PROJECT:** over 350 preschoolers from Lithuania, Romania, Turkey, Latvia and Greece.

**SUBJECTS:** Art, Pre-school Subjects, Environmental Education, Crafts, Mathematics/Geometry, Music, Natural Sciences.

**OBJECTIVES:**

**O1:** We will develop children's understanding of natural phenomena and sensory skills by applying elements of the STEAM method;

**O2:** We will increase students' motivation to communicate and use skills related to science, technology, mathematics, engineering and the arts through experimental and research methods;

**O3:** We will share innovative educational methods and ways to develop students' abilities during educational activities;

**O4:** We will learn from each other: children, parents, teachers;

**O5:** Children will gain self-confidence to experiment, search, accumulate, research, create, systematize and present the results;

**O6:** Students will develop basic sensations: sight, touch, hearing, smell.

**WORKING PROCEDURE:**

The working procedure involves the following activities:

- Finding project partners.
- Creating an action plan and deadlines.
- Discussion of STEAM activities.
- Creating web pages to submit activities.
- Introduction of the project partners (introduction to the country, educational institution, students, introduction of the teacher, sharing of IT tools used).
- Logo design and elections.
- Execution of STEAM activities. Preparation of preparing the presentations. Submission of information. Exchange of activities.
- Discussions in forums.
- Live online meetings and trainings.

- Co-product development and delivery.
- Communicating in eTwinning live.
- Communication, collaboration between school community members.

### ACTIVITIES CALENDAR

NR. CRT.	ACTIVITIES	PERIOD
1.	Finding project partners. Creating an action plan and deadlines.	August 2020
2.	Discussion of STEAM activities. Creating web pages to submit activities. Introduction of the project partners (introduction to the country, educational institution, students, introduction of the teacher, sharing of IT tools used). Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions in forums. Communicating in eTwinning live. Communication, collaboration between school community members.	September 2020
3.	Creating project logos and posters. Logo elections. Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members.	October 2020
4.	Live online meetings and trainings. Co-product development and delivery. Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members.	November 2020

5.	Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members.	December 2020
6.	Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members.	January 2021
7.	Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members.	February 2021
8.	Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members.	March 2021
9.	Execution of STEAM activities. Preparing the presentations. Submission of information. Exchange of activities. Discussions forums. Communicating in eTwinning live. Communication, collaboration between school community members. Spreading the information about the ongoing project.	April 2021
10.	Execution of last STEAM activities. Exchange of activities. Communicating in eTwinning live. Communication, collaboration between school community members. Reflection. Survey questionnaire. The project participants' opinion about the implemented project.	May 2021

**COMMUNICATION METHOD:** We will communicate using twinspace, online meetings, facebook, chat, email, etc.

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## EDUCATIONAL PARTNERSHIP AGREEMENT

Concluded today, ..... between kindergartens:

- Grădinița cu P.P. "Scufița Roșie" from Alba Iulia, România, represented by Prof. Seician Maria, as director and Prof. Bizu Elena-Georgiana, as founder of the international project "Kindergarten from home".
- Kauno menų darželis „Etiudas”, Lietuva represented by Prof. Regina Žukauskienė as director and Prof. Aušra Rašytinienė as founder of the international project "Kindergarten from home".

*I. Duration:* The agreement was concluded in two copies and is valid for the development of the international project "STEAM education in kindergarten – discoveries, experiments research", in the school year 2020-2021.

*II. Object of the educational partnership contract:*

The object of this partnership agreement is the collaboration between the partners in order to carry out the activities created within the international project "STEAM education in kindergarten – discoveries, experiments research".

*III. Obligations of partners:*

- to inform the kindergartens, the partner institutions about the carried out international project;
- to implement the activities proposed within the project;
- to avoid any risk-generating situations that may negatively affect the image of the project;
- to respect the deadlines for the activities included in the project.

The partners agree to collaborate throughout the above mentioned project in order to run it accordingly to the established goal. This contract is concluded in two copies, one for each party.



**PROJECT DURATION:** 9 months (September 2020 – May 2021)

**EXPECTED RESULTS:**

STEAM education is a combined approach that encourages hands-on experience and gives children the chance to apply relevant, “real-world” knowledge, even in the classroom or at home. It is based on the idea of educating children in five fields: science, technology, engineering, mathematics and the arts, using a multi-disciplinary and applied approach.

Within this project, the participating teachers will learn new information, as well as present/modern methods and procedures to help them organize a qualitative activity with preschoolers. The activities will help preschoolers develop their critical spirit, solve problems, experiment and work in teams, collaborating together.

All the visible results of the project will be gathered in a photo album of *good STEAM practices*. The closing activity with the preschoolers will give us an overview of the entire project.

**PROJECT EVALUATION:**

The monitoring will be performed permanently by the initiators and coordinators of the project, following:

- the degree of involvement of participants, partner institutions and parents;
- the degree of accomplishment of the proposed activities;
- local/international publicity of the project.

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