



Erasmus+ KA101

„STEAM ugdymo plėtra mokykloje – novatoriškas ugdymas(is)“
Projektas finansuojamas iš ES programos Erasmus+ lėšų
2019-1-LT01-KA101-060311



TARPTAUTINĖS KONFERENCIJOS

„Į STEAM orientuoto ugdymo tobulinimas, įgyvendinimas, tiriamosios ir projektinės veiklos plėtojimas“ PROGRAMA

INTERNATIONAL CONFERENCE

"Improvement, Implementation, Development of Research and Project Activities in STEAM Oriented Education" PROGRAM

2020 m. lapkričio 27d. Kauno r. Šlienavos pagrindinė mokykla, Lietuva, 2020-11-27
November 27, 2020 in Kaunas Region Šlienava Comprehensive School

09.50-10.00	Konferencijos dalyvių prisijungimas Zoom platformoje
10.00	Jonas Petkevičius , Kauno rajono savivaldybės Kultūros, švietimo ir sporto skyriaus vedėjas. <i>Konferencijos atidarymas</i>
	Laima Ruzgienė , Kauno rajono Švietimo centro direktorė. <i>Sveikinimo žodis</i>
	Vladas Ravka , Kauno r. Šlienavos pagrindinės mokyklos direktorius. <i>Sveikinimo žodis</i>
10.10-10.20	Onutė Gervienė , Kauno r. Šlienavos pagrindinės mokyklos direktoriaus pavaduotoja ugdymui. <i>STEAM- inovacijų kultūros kūrimas mokykloje</i> Annotation: STEAM education doesn't start anywhere in the lab, but here, right in our backyard. I will share my experience how STEAM activities are related to fundamental changes in our school, how in the smart world we learn to hear children, how the 5 letters (STEAM) concept helped us and our students to submit "scientific" questions, to increase interest not only in STEAM but also to look at education or self-education and the world around us a little differently: easier, wiser; how the concept of science expands with the growth of a child, how, using a scientific method, we turn education into a space of inexhaustible discoveries. How formal, non-formal, and informal education in schools is changing thereupon, and what are the encouraging results thereat.
10.20-10.30	Ilona Surgautienė, Želvita Jankunė, Ina Banevičienė, Onutė Gervienė, Jurgita Norvilienė, Zita Dzedulionienė . Erasmus+ projekto „STEAM ugdymo plėtra mokykloje – novatoriškas ugdymas(is)“ pedagogų komanda. <i>Įrankiai STEAM ugdymui</i> Annotation: Teachers will share the knowledge and skills gained during the Erasmus + project: ICT application possibilities, innovative educational methods and programming with Arduinas.
10.30-10.40	Maria Jose Garsia Garsia-Saavedra , Professor (University of Valencia), Teacher Trainer at Education and Resources Center for VET teachers, Health Vocational and Technical Subject Teacher. Pharmacy PhD. <i>STEAM hands-on learning approaches with eTwinning VET (vocational education and training) projects</i> Annotation: Vocational Education and Training & IBL & eTwinning projects: Inspiring hands-on learning approaches to foster STEAM careers at school. Kids are born scientists; they really want to understand causes and effects from very early on. This presentation is aimed at sharing some STEAM experiences and proposals to contextualize and boost STEAM careers at school and help our

	<p>students to bag their dream jobs. I will speak about three STEAM experiences within eTwinning projects:</p> <ol style="list-style-type: none"> 1. Healthy teeth, healthy smiles and healthy children in which I worked with Ilona Surgautiene. 2. Promotion of healthy lifestyle during education and Diet or D.I.E.T.? 3. eTwinninggreen4u I encourage teachers to take part on etwinning projects with vocational schools as a way to foster STEAM careers.
10.40-10.50	<p>Jekaterina Juknevičienė, Aivaras Kunigonis, Kauno Simono Daukanto progimnazija. <i>Svajoti. Tirti. Eksperimentuoti. Atrasti. Matuoti. Kauno Simono Daukanto progimnazijos patirtis</i></p> <p>Annotation: Implementation of problem-based education provisions by organizing the strengthening of STEAM subjects in order to develop students' self-government and social skills. We will present challenges, success examples, and opportunities to ensure the dynamics of the organization and the achieved change in the organization of the educational process.</p>
10.50-11.00	<p>Jolanta Bernotaitienė, Kauno Tado Ivanausko progimnazija VDU MA. <i>STEAM ir muzika</i></p> <p>Annotation: STEAM integration into music education. An inclusive education method in a music lesson. Playing with lego blocks in a music lesson: listening to music, rhythmic modes.</p>
11.00-11.10	<p>Ivan Stoyanov, Ivan Ivanov, Irina Skarlatova, Svetla Zhelezcheva, Semra Kurieva, Nora Martinova, Nikola Petrov, 'Hristo Botev' Comprehensive School, Karnobat, Bulgaria. <i>STEAM learning – a change in the educational environment</i></p> <p>Annotation: The pedagogical practice that we present is based on the project principle of learning and it allows different groups of children to develop several independent solutions to the same problem. Problem solving teaches children to plan, organize and research. The practical activities help to develop the abilities and skills necessary for the implementation of the project. Students use the research to create the design, test, evaluate, and correct the decision. The form through which we organized and conducted the pedagogical practice we present to you is an extracurricular activity.</p>
11.10-11.20	<p>Jolita Urlakienė, Prienų r. Pakuonio pagrindinė mokykla. <i>Tiriamosios veiklos ir chemijos mokymosi motyvacijos ryšys (patyriminis mokymas chemijos pamokose, integruoti gamtos mokslų projektai, „Jaunųjų tyrėjų“ būrelis, chemijos brandos darbas)</i></p> <p>Annotation: Why is chemistry difficult to learn? How can a scientific method be used in chemistry lessons? How can students be interested in chemistry at the age of elementary school? How can students be encouraged to study chemistry in grades 11-12 and choose to write a chemistry maturity work?</p>
11.20-11.30	<p>Ana Gliebė, Kauno Simono Daukanto progimnazija. <i>STEM stotelė būsimiems pirmokams ir penktokams</i></p> <p>Annotation: Various activity stops for children were organized to invite new students to our progymnasium. The STEM station attracted the most interest among prospective students. It featured science experiments, a microworld, 3D images on a screen, a living corner, a green windowsill, turtles powered by solar energy, competitions, and other activities.</p>
11.30-11.40	<p>Ilma Agajan, Gargždų "Vaivorykštės" gimnazija. <i>Etiškas mąstymas STEAM ugdyme</i></p>

	Annotation: STEAM lessons encourage students to be creative, think critically, and seek solutions. That doesn't seem to be enough. What is the impact of our proposed solutions? For me, for those around me, for society, for the world. Ethics helps to develop a holistic approach to the environment.
11.40-11.50	<p>Rasa Šimaitienė, Kauno r. Neveronių gimnazija. <i>Kelionių aplinkotyra: keliaujame, mokomės, tiriname, kuriame</i></p> <p>Annotation: During the trips with students of grades 6-10, we conducted environmental research: locations, distances, altitude, water quality, traffic flows, pressures, vegetation. Students systematized the research data and prepared 5 reports which they presented to the school community. We are pleased to share with you nature researching results during our travels.</p>
11.50-12.00	<p>Rykantė Šimkūnaitė, Jolanta Masionienė, Kauno r. Domeikavos gimnazija. <i>Bendradarbiavimo ir mokymosi kultūros skatinimas per tiriamąsias veiklas</i></p> <p>Annotation: Every year, Domeikava Gymnasium organizes integrated project activities for primary school students 'Young Researchers', joining the Republican Science Festival 'Researchers' Night'. During the project activities, students learn in mixed groups. They are using various sources and tools, perform experiments, research, observations. Younger students are assisted in these activities by older students. The project requires a variety of knowledge, abilities, and skills, so students link different subjects, learn from each other. Integrated activities help to consolidate and deepen existing knowledge, develop effective communication, negotiation, conflict solution, leadership, solution reception, personal responsibility, and teamwork skills, creating a culture of mutual support and shared learning.</p>
12.00-12.10	Pertrauka
12.10-12.20	<p>Simona Crisafulli, Socialinių mokslų daktarė (edukologijos kryptis), „LADA" ir „SOREAL SRL" Erasmus plus projektų koordinatorė, Sicilija, Italija <i>Italijos STEAM patirtis</i></p> <p>Annotation: about Italian STEAM experience.</p>
12.20-12.30	<p>Jevgenija Skilond, Vilniaus Joachimo Lelevelio inžinerijos gimnazija. <i>STEAM naktis gimnazijoje ir Pasakų žinių laboratorija</i></p> <p>Annotation: The event 'STEAM night in the gymnasium' has been taking place since 2013 and has already become a traditional one. The aim of the event is to interest students in scientific activities, to reveal to them the significance of science in everyday life and its application in solving various problems, and thus contribute to the popularization of science. There are currently five STEAM discovery laboratories in the gymnasium. Educational project 'Fairy Tale Knowledge Laboratory' has been intended for primary school students and led for children and their parents.</p>
12.30-12.40	<p>Daddy Kashinda, Association ASEDEJ, Ukrain <i>Presentation of knowledges</i></p>
12.40-12.50	<p>Nadežda Tikhomirova, Daina Mačiukūnienė, Jurbarko r. Veliuonos Antano ir Jono Jušų gimnazija. <i>STEAM integravimas į užsienio (anglų) kalbos ugdymą, įgyvendinant eTwinning projektus pradinėse klasėse</i></p> <p>Annotation: Dissemination of good practice in eTwinning projects „STEAM in nature“; „Stay healthy with STEM + a“.</p>
12.50-13.00	<p>Marija Kislovska, Vilniaus Salininkų gimnazija. <i>STEAM vaikams su spec.poreikiais</i></p> <p>Annotation: STEAM for children with special needs.</p>
13.00-13.10	<p>Jūratė Pinkuvienė, Jovita Puidokienė, VDU Ugnės Karvelis gimnazija. <i>E-STEAM asmenybės ugčiai</i></p>

	Annotation: What connects STEAM, e-STEM, STREAM activities at Vytautas Magnus University Ugnės Karvelis gymnasium? Children of the Z and α (alpha) generations are researchers. They try to replace the typical questions: what? or where? or when?; to issues such as: how? What is the difference between? how similar? Why?; The report will reveal the gymnasium experience with the sustainable ‘employment’; of the immediate environment and available ideas to achieve the student’s personal growth.
13.10-13.20	Rasa Krivickienė, Larisa Kolėdienė , Kauno Juozo Urbšio progimnazija. <i>Moksliniai-tiriamieji gamtamoksliniai darbai pradinėje mokykloje</i>
	Annotation: We will present our natural science research, which we did in the primary classes.
13.20-13.30	Eglė Poderienė , VDU Ugnės Karvelis gimnazija. <i>GIS taikymas ugdymo procese</i>
	Annotation: GIS-geographic information systems that provide the ability to analyze spatial data, access databases, and create digital maps. Suitable for analysis of land, forests, atmospheric resources and phenomena, process modeling and route development.
13.30-13.35	Elena Laura Radu , Grigore Moilsil Secondary School, Romania. <i>POSTER STEAM activities in teaching humanities</i>
13.35	Ona Vaščenkienė , NŠA ugdymo turinio departamento ugdymo turinio rengimo skyriaus metodininkė. <i>Konferencijos apibendrinimas ir uždarymas</i>