

STEAM MOKYKLOS KŪRIMAS ALYTAUS JOTVINGIŲ GIMNAZIJOJE 2023

IRENA RIBINSKIENĖ
ALYTAUS JOTVINGIŲ
GIMNAZIJA

Fizikos mokytoja metodininke
IB DP PHYSICS
STEAM IT karjera
Scientix Ambassador



ALYTAUS JOTVINGIŲ GIMNAZIJA



valid until 04/2024

This school has been awarded with
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SCIENTIX

The community for science
education in Europe



This Three Rs project aims to promote alternatives to animal testing and the Three Rs through education and has been initiated by the European Commission's Joint Research Centre (JRC) and supported by the European Parliament under a Preparatory Action entitled "Promoting alternatives to animal testing". The project is coordinated by European Schoolnet (EUN) on behalf of the JRC. The Three Rs project is also supported by Scientix, funded from the European Union's H2020 research and innovation programme – project Scientix 4 (Grant Agreement N. 101000063). The content is the sole responsibility of the organiser and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained.



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KAS YRA STEM?

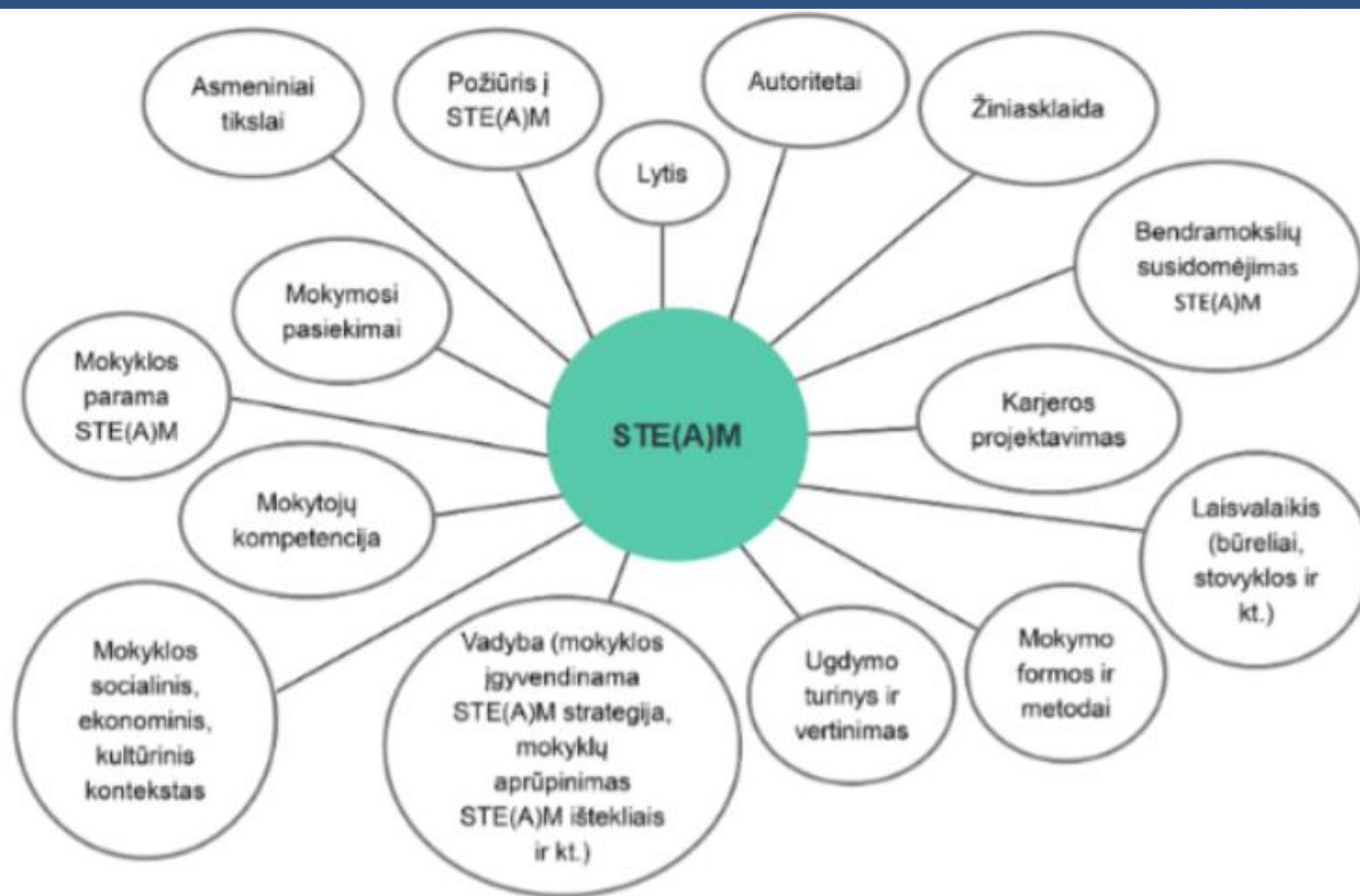


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- STEAM ugdymas – integralus, į kompleksišką tikrovės reiškinių pažinimą, pritaikymą ir problemų sprendimą kreipiantis mokinių gebėjimų ugdymą gamtos mokslų, technologijų, inžinerijos, menų ir matematikos kontekste.
- STEAM padeda priartėti prie ateityje mokinių laukiančių iššūkių ir būsimos darbo rinkos poreikių.
- Mūsų tikslas – kaip ruošti mokinius, kad ateityje jie būtų kūrybiškesni, kritiški ir mokėtų spręsti realaus gyvenimo problemas.

MOKINIŲ SUSIDOMĖJIMĄ STEM MOKSLAIS LEMIANTYS VEIKSNIAI



STEAM IR KARJERA

STEM specialistų trūkumas visais lygmenimis silpnina Europos galimybes konkuruoti visame pasaulyje-svarbu įtraukti mokinius į STEM karjeros siūlomas galimybes!

Pagrindinės politikos strategijos yra mokymo programų ir mokymo metodų reforma ar pertvarkymas, suteikiančios mokytojams profesinio tobulėjimo galimybes ir nukreipiant jaunas žmones į STEM.

Mokinių motyvacija didėja sprendžiant atviro realaus gyvenimo klausimą ir taikant projektinį darbą.

Dabartinė STEM švietimo situacija Europoje integruoto požiūrio poreikis-pedagogika ir metodai, kuriuos galima pritaikyti klasėje

Mokytojai, tėvai, bendruomenės specialistai, ne tik padeda mokiniams suprasti iššūkius, bet ir karjeros vaidmenį bei indėlį sprendžiant šį visuotinį iššūkį.





Shape your future.
Little waves make a big ocean!

NETWORK OF EUROPEAN BLUE SCHOOLS

Becoming a European Blue School

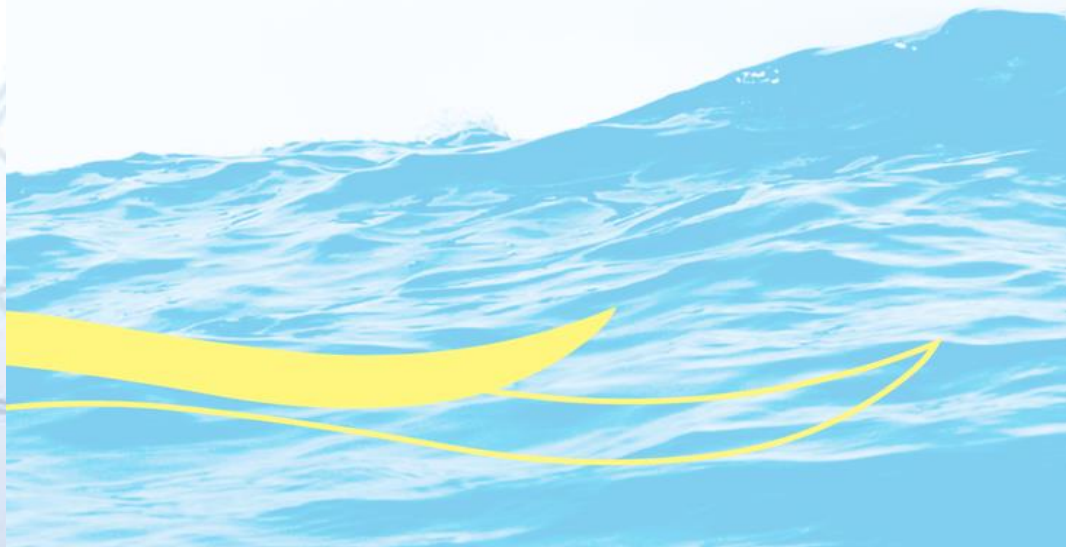
**TAPKIME EUROPOS MĖLYNAJA MOKYKLA
SPOW05-SVEIKAS MAISTAS IR ŠVARUS
VANDENYNAS**



202-2021 European Blue School Certificate



Network of
European
Blue Schools



CERTIFICATE

Alytus Jotvingiai gymnasium
has received the certification of
European Blue School
with the project 'Raise awareness about plastic waste in
the Baltic Sea'
for the school year (2020/2021)

Serial number | 2020-2021/39



LIFE IN DANGER



L.I.F.E. in Danger

Little
Investigators
Find out
Earth
in
Danger

12 Jan 2023

L.I.F.E. in Danger



L.I.F.E.
in
Danger



STEAM KARJERA SU VILNIAUS TECH UNIVERSITERU

Jotvingiečiai Susipažino Su Nuotekų Analitiniais Fizikiniais Tyrimais Alytaus Mieste su Aplinkos apsaugos ir vandens inžinerijos katedros doc. dr. profesore Marina Valentukevičiene



MOKINIŲ IŠVYKA Į ALYTAUS MIESTO VANDENS VALYMO TALPYKLĄ



- Dalyvaujant tarptautiniame eTwinning projekte „Life in Danger“ mokiniai susipažino su UAB „Dzūkijos vandenys“ Alytaus miesto vandens valymo talpykla, kur valomos visos Alytaus miesto centralizuotai atitekančios komunalinės ir pramoninės nuotekos.
- Išvykos tikslas - suteikti galimybių mokiniams būti socialiai ir pilietiškai aktyviems, turinčiais atsakingesnę ir patvaresnę aplinkos ir su klimato kaita susijusių problemų sprendimo viziją, didinti informuotumą apie klimato kaitą. Aplinkosaugos problemų sprendimas: nešvarios ir/ar užterštos upės. Atliekų perdirbimas, mažinimas teršalų kiekis nuotekose, vandens ir oro monitoringo metodai.

STE(A)M IT KARJEROS PROFILIAI


Seismologist

Seismologists are Earth scientists, specialized in geophysics, who study the genesis and the propagation of seismic waves in geological materials. Their research aims at interpreting the geological composition and structures of the Earth.

Though often called upon to work alone, the seismologist must also be able to work within teams to solve problems. Well developed written and oral communication skills are important in order to communicate the results of their research.

Depending on their field of interest, seismologists can come from following the fields: geology, geophysics, physics or applied mathematics. A university undergraduate degree is necessary, and Masters studies or Doctoral work are significant assets for more advanced research.

Made by Domas (IIa) and Ignas (IIa)



RESEARCHER IN HUMAN GENETICS

Key skills for researchers in human genetics:

CREATIVITY
It takes creative minds to shake up the normative way of thinking and come up with new questions and solutions to a problem.

DILIGENCE
If being a researcher requires a varied set of skills, diligence is the glue that holds them together. It is particularly important to perform experiments very diligently, trying to be as precise and analytic as possible.

OPEN-MINDEDNESS
Researchers are seeing and asking questions from new angles, it is almost as if they are working on the edge of science fiction. They need to be willing to open their minds to other ways of thinking.

Delfinų trenerė

Kiekvienas delfinas naujų triukų mokosi tik su savo treneriu, kurių delfinariume šiuo metu dirba šešetos. Jo, Vidos žodžiais, delfinai laukia, net jei jo nėra darbe. Užsiminusi apie laukimą, biologijos mokslų trečiakurse atkreipė dėmesį – delfinai pažįsta ir laukia visų trenerių. Pasilgimas geriausiai matomas sugrįžus iš atostogų, po savaitgalių. Tuomet savo mokytoją delfinai bando papūčiuoti, pasveikinti džiaugsmingais šūksniais, aukštais šuoliais. Norėdami pralinksminti jais besirūpinančius, su jais dirbančius žmones, delfinai neretai iškrečia išdaigų. „Dažnai jie tyko iš pasalių, norėdami aptaškyti, netikėtai šioje situacijoje atkiša plivą, kad pakasytumėt“, - darbo niuansus atskleidė delfinų trenerė.



Web Development experts

Amidst the world of today's rising demand for people in the IT sector, many new professions have appeared to cover specific needs of every minor part of a computer's system. One of them, which I have taken interest in, is being a **web development expert**, an architect of the World Wide Web. So, what does it take to become one?

Meticulousness, creativity, personal responsibility
Due to the high stress and pressure from short deadlines and difficult tasks, web developers must be meticulous to avoid causing errors in scripts and creative to quickly overcome the tasks they have been given.

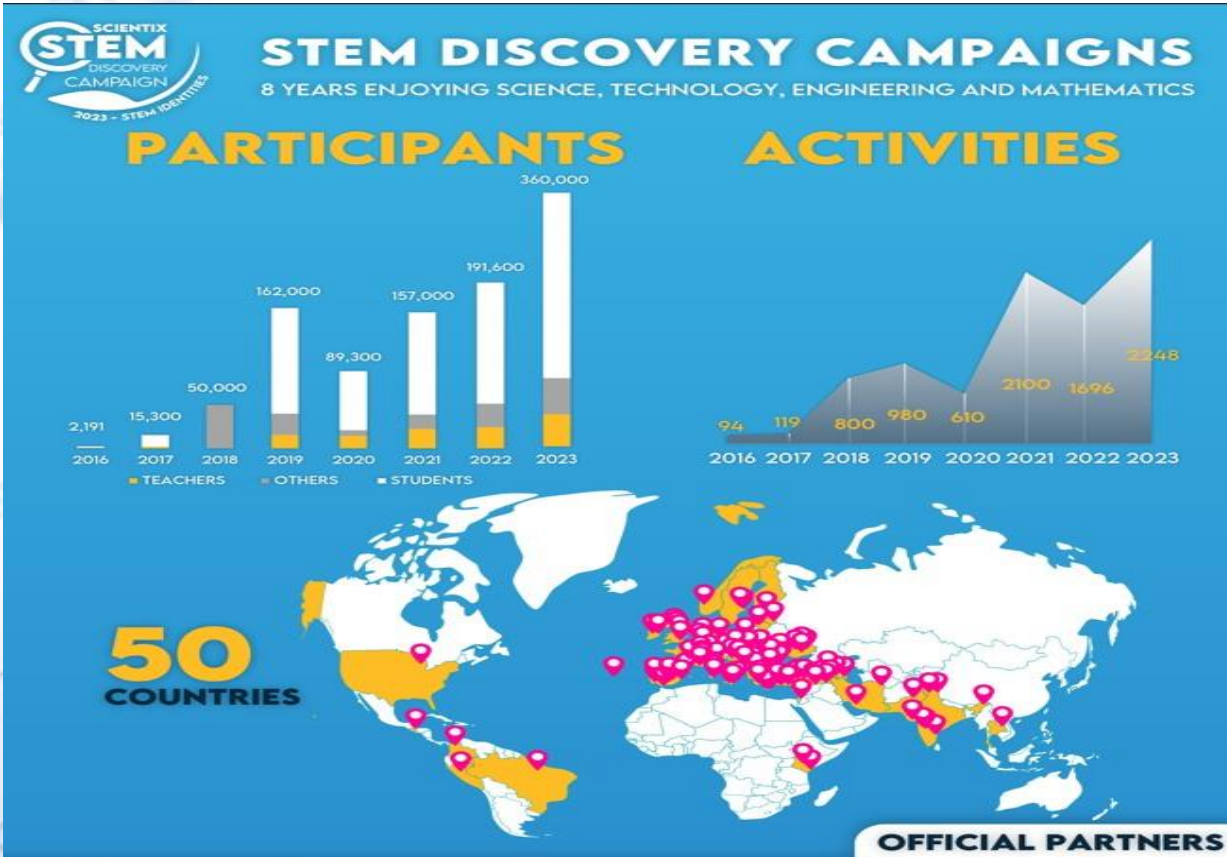
Team spirit, openness, coaching
Rarely do developers (aside from freelancers) work solo. They must adapt to work with other people, in a team that is often composed of UX/UI designer, other web developers, a project manager, a quality assurance engineer and other members. Being a web development expert requires active participation in the team effort. Being part of a team often means that you will receive feedback. For web developers working in a team, it is very important to know how to respond to feedback from other developers and/or clients and to not take it personally but instead try to improve. Another part of this is that they may also have to teach junior members of the team in their development and learning of this trade.

Analytical reasoning, research
Web development is one of the fastest-growing sectors. That is why, as a web developer, it is crucial to stay up-to-date and learn about new technologies that might help you solve specific problems presented to you. The second part of this is analytical reasoning - to research and analyze the needs, demands of their clients to fit their technical needs for a website and adapt to any changes they would like to see implemented.

Team spirit
Rarely do developers (aside from freelancers) work solo. They must adapt to work with other people, in a team that is often composed of UX/UI designer, other web developers, a project manager, a quality assurance engineer and other members. Being a web development expert requires active participation in the team effort.

Made by Andrius, 2e

STEM ATRADIMŲ KAMPANIJA 2023



CERTIFICATE OF PARTICIPATION

This is to certify that
Irena Ribinskienė, Lithuania
 participated in the
2023 STEM DISCOVERY CAMPAIGN
 1st of February – 30th of April

Marc Durando
 Executive Director,
 European Schoolnet



The STEM Discovery Campaign has been funded under the European Union's H2020 research and innovation programme – project Scientix 4, coordinated by European Schoolnet (EUN). The content of the document is the sole responsibility of the organizer and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained.

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SUSITIKIMAI-DISKUSIJOS SU STEAM KARJEROS EKSPERTAIS CRISTINA CALHEIROS



THREE RS PROJEKTAS



CERTIFICATE OF PARTICIPATION

This is to certify that

From 1st of August 2021 to 30th of January 2023

Irena Ribinskiene

Participated in the **Three Rs Project** as a **Lead Teacher**

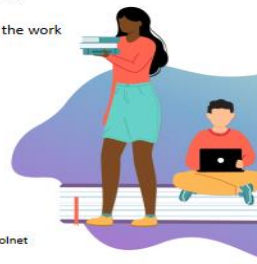
and implemented the following tasks:

- Validated new Learning Scenarios and new resources.
- Contributed to the dissemination of the project activities and resources.
- Organized a local teacher training workshop on the Three Rs.
- Prepared a story of implementation of Three Rs Materials.
- Participated in the "Introducing Three Rs in different subjects" promotional video.
- Participated in the "Introducing Three Rs in secondary schools" promotional video
- Participated in the Three Rs Career Chats with Experts.

We sincerely thank Irena Ribinskiene for the work and dedication to this project.



Marc Durando
Marc Durando,
Executive Director of European Schoolnet



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JOTVINGIŲ KOMANDA NACIONALINIO KONKURSO FINALE

Lietuvos Respublikos Seime įvyko VDU ŽŪA Miškų ir ekologijos fakultetas organizuojamo nacionalinio konkurso „Mano pasaulis – darniai Lietuvai“ finalas.





Projekto medžiaga

Šiame puslapyje pateikiama projekto "Mokyklos - Europos Parlamento ambasadorės" mokymo medžiaga.

Projekto reikalavimai

 2019-2020 m. m. MEPA reikalavimai (docx 44KB)

Mokomoi medžiaga Europe @ School

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TEACH EUROPE



Taskforce co-creation training

8 - 10 May 2023



Co-funded by
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Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture

Projekto „Taskforce of the Teach Europe“ (2023-2025) grupė



STEAM Education Leadership 2023

Learning opportunity in partnership with Harvard University's [LabXchange](#).

Cambridge, Massachusetts, United States.

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TEACH FOR ALL & LABXCHANGE RESEARCH PROJECT

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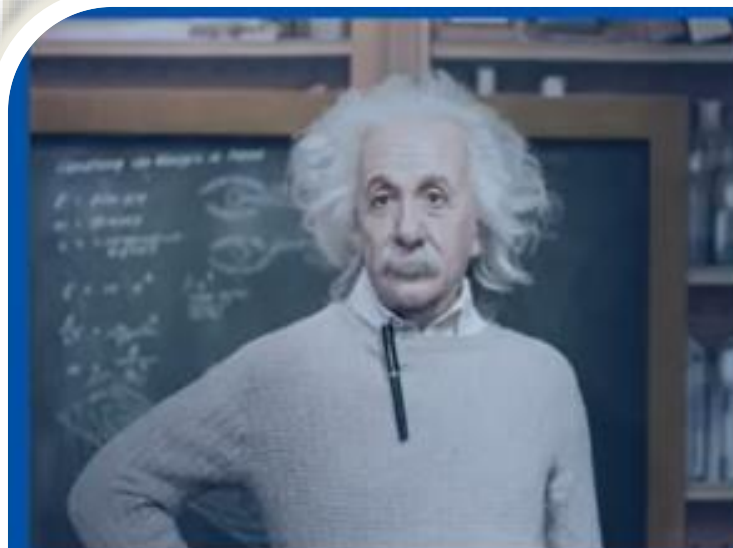
Aaliyah Igwe
Chief Executive
Officer

"TIKROJO MOKYMOSI NĖGALI BŪTI BE TIKROJO RYSIO"

(James Comer)

"MOKYMAS - YRA SANTYKIŲ IŠMANYMAS IR SUPRATIMAS"

(George Washington Carver)



Albertas Einšteinas

Aš niekada nemokau savo mokinių.
Aš tik bandau sudaryti sąlygas jiems mokytis

