

Zanimanja budućnosti: Postani turistički vodič po Svemiru!

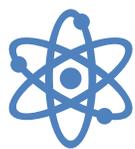
Godišnji skup Primjeri dobre prakse – DPTK Zagreba 2021

Maja Mačinko, OŠ Ivana Cankara, Zagreb

Scientix daje pristup nastavnim materijalima, rezultatima istraživanja i dokumentima iz različitih europskih projekata o znanosti i obrazovanju financiranih od Europske komisije i raznih nacionalnih inicijativa.

Ova platforma omogućuje redovito širenje i razmjenu vijesti i najboljih praksi u obrazovanju diljem Europske unije.

Faze projekta



Scientix 1 (2009-2012)

Uspostavljen online portal (edukacijskih materijali i projekti iz područja STEM-a)

Održana Scientix konferencija



Scientix 2 (2013-2015)

Širenje Scientix zajednice na nacionalni nivo

Razvoj nacionalnih strategija za STEM obrazovanje



Scientix 3 (2016-2019)

Jačanje NCP-ova i Scientix ambasadora

Provedba aktivnosti i diseminacija



Scientix 4 (2020 – 2022)

Nastavak svih aktivnosti koje su započele u prijašnjim fazama

Matematika i Scientix

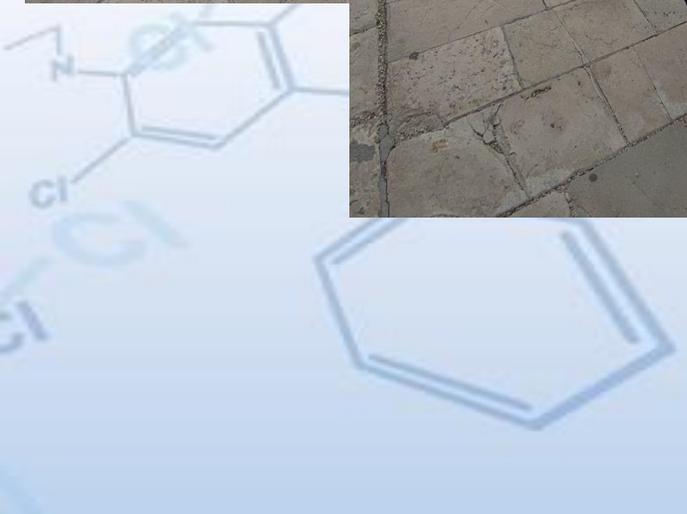
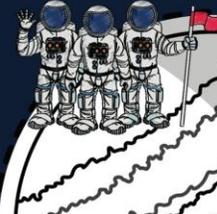


Matematika i Scientix

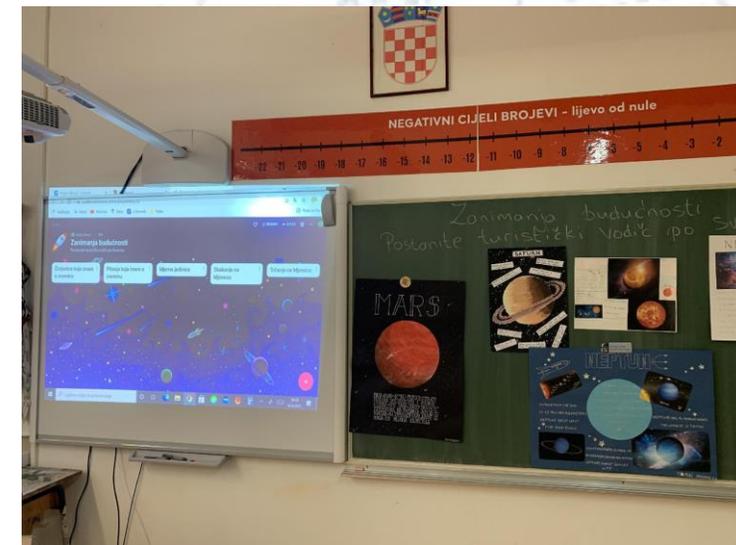


RUN ON THE MOON

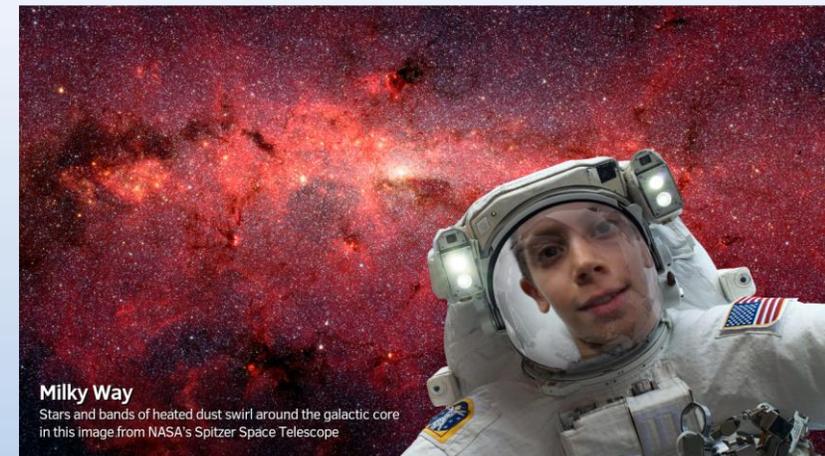
1	Name:				
2	Sprint 1:				
3	Sprint 2:				
4	Sprint 3:				
5	Median of three sprints:				
6	Using median calculate your speed per minute:				
7	Calculate the speed per minute of fastest 100 m sprinter on Earth:				
8	Calculate the speed per minute of fastest animal on Earth:				
Now for more calculations					
9	Divide your median speed by 6 to calculate your speed on the Moon:				
10	Divide the speed of the fastest sprinter on Earth by 6 to calculate his speed on the Moon:				
Conclusion:					
What affects the speed on the Moon?					



Geografija i Scientix



Informatika i Scientix

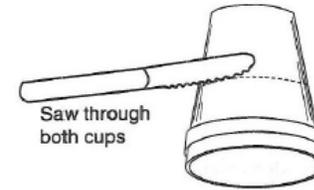


Tehnička kultura i Scientix



Procedure: Make the End Effector

1. Have the robotics engineers work in pairs or small groups.
2. Nest the two cups together and cut through both cups where indicated in the diagram by the dashed line. Smooth the cut edges by scraping them with the picnic knife edge.



3. Cut three 12-centimeter lengths of string.
4. Tape the end of the first string to the side of the inner cut just below the cut edge.
5. Tape the other end of the string outside of the cup, but do not press this piece of tape tightly yet.

Tape string loop from outside to the inside



6. Repeat Steps 5 and 6 twice more, but place the strings about a third of the way (120 degrees) around the cup from the first string.
7. While holding the rim of the inner cup, rotate the outer cup until the three strings cross each other. The strings will have

some slack. Pull the end of the strings on the outside until they are straight and intersect exactly in the middle of the opening. Press the tape on the outside to hold the strings.

Procedure: Use the End Effector

1. Use the end effector to pick up the lollipop. Have someone hold the lollipop upright.



2. Open the end effector so that the strings are not crossing each other.



Open Position



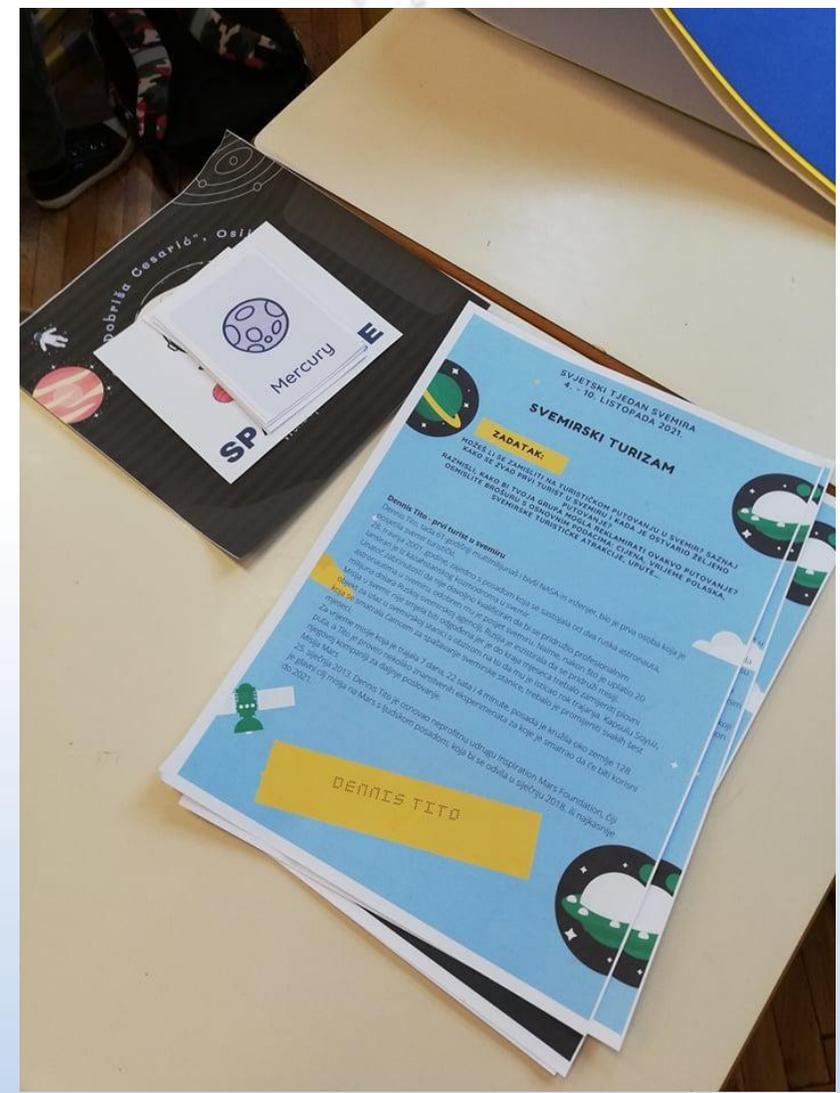
Rotate Outer Cup



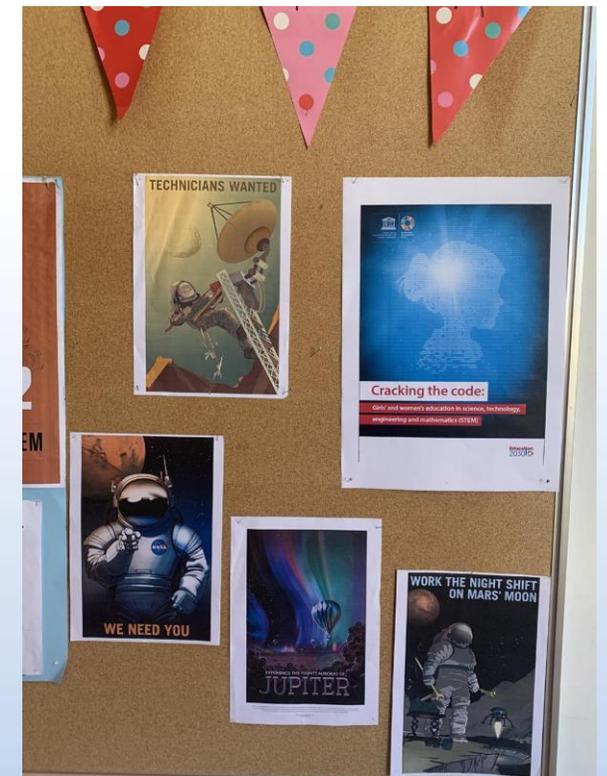
Continue Rotating to Close Snare

3. Slip the end effector over the lollipop so that the straw extends down the center and not through the loops.

Povijest i Scientix



Astronomija i Scientix



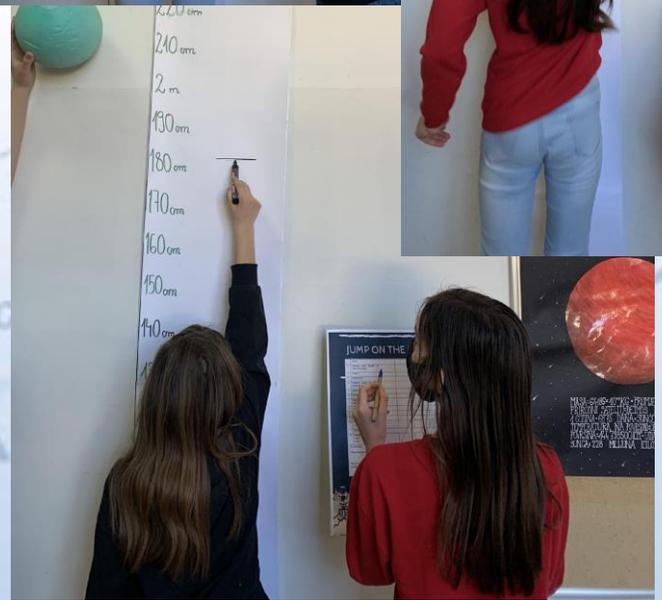
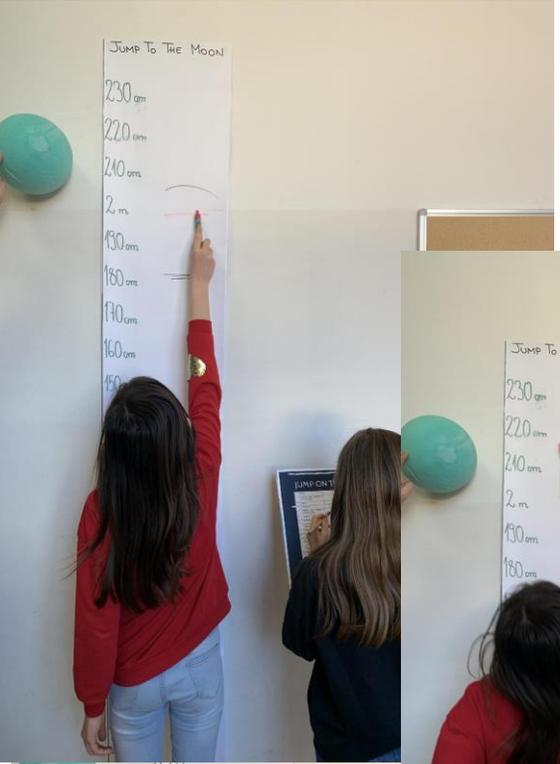
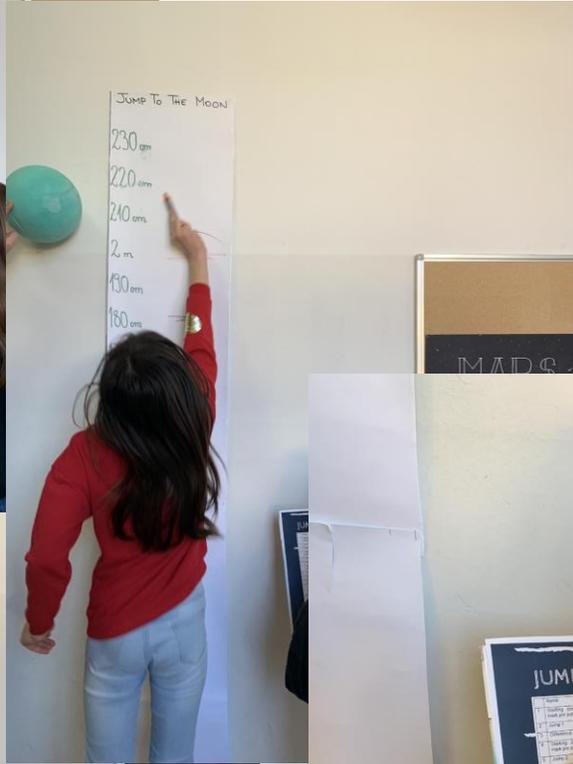
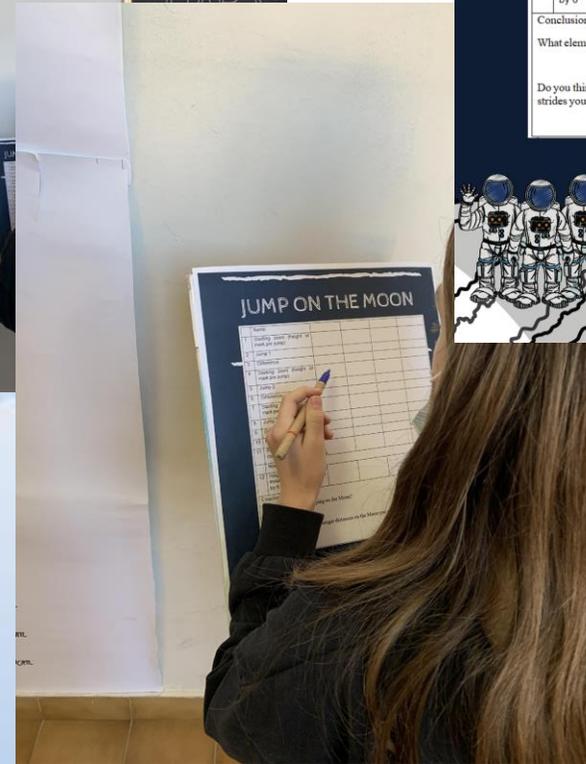
Fizika i Scientix

JUMP ON THE MOON

Name:				
1	Starting point (height of mark pre jump)			
2	Jump 1			
3	Difference:			
4	Starting point (height of mark pre jump)			
5	Jump 2			
6	Difference:			
7	Starting point (height of mark pre jump)			
8	Jump 3			
9	Difference:			
10	Median of 3 differences:			
11	Percentage of median compared to your height:			
Now for more calculations				
12	Height of jump on the moon: median multiplied by 6			

Conclusion:
What elements affect jumping on the Moon?

Do you think if you ran for longer distances on the Moon you could take advantage of the huge strides you could make?

1. <http://scientix.eu>

2. Registrajte se

Spremi lozinku i email koju ste dobili od EUN.

Ti podaci postaju dio same platforme.

Budite sigurni da ste spremili korisničke podatke kojima ste se registrirali.

The image shows a screenshot of the SCIENTIX website. The top navigation bar is blue with the SCIENTIX logo and tagline "The community for science education in Europe". There are social media icons for Twitter and Facebook, and a language selector set to "English". A "Sign in" button and a search bar are also visible. Below the navigation bar, there are links for HOME, SCIENTIX LIVE, COMMUNITY, EVENTS, PROJECTS, and CONFERENCE.

The main content area features a "REGISTER" form with the following fields and instructions:

- Username***: Only letters and numbers, minimum 6 characters.
- First name***
- Family name***
- Email***: Enter a valid, existing email address.
- Password***: Choose a strong one! Minimum 6 characters. It must contain a mix of letters and at least 1 digit.
- Confirm password***
- Security check***: Includes a checkbox for "I'm not a robot" and a reCAPTCHA logo.

Below the form, there is a checkbox for "I declare that I have read and accept the EUN Partnership AISBL legal statements and privacy policy.*" and a "SUBMIT" button.

To the right of the registration form, there is a "NEWSLETTER" sign-up section with the text "Your email address:" and a "Subscribe" button. Below that is a "FOLLOW US ON TWITTER" button with a Twitter bird icon.

@scientix_eu

Pretraživanje projekata

Filteri

The screenshot shows the SCIENTIX website interface. At the top, there is a navigation menu with links for HOME, SCIENTIX LIVE, COMMUNITY, EVENTS, PROJECTS (highlighted), CONFERENCE, NEWS, RESOURCES, and ABOUT. The main content area is titled 'Home > Projects' and features a 'PROJECTS' section with a filter panel. The filter panel includes dropdown menus for Country, Topic, Target groups, Funding, Starts after, and Ends before. There are also checkboxes for 'Projects looking for teachers' and 'Ongoing projects', and an 'APPLY FILTER' button. Below the filters, two project listings are visible: '21st century students' and '#GIRLSGONNA: PROMOTING DIVERSITY IN THE DIGITAL SECTOR'. On the right side of the page, there is a sidebar with a 'SOMR available to any teacher...' notice, a 'READ THE INSTRUCTIONS!' button, and links for 'In your country', 'Observatory', 'Scientix Moodle', 'Scientix Webinars', and 'Scientix blog'. At the bottom of the sidebar is a 'SCIENTIX RESOURCES WIDGET' and a call to action: 'If you know of European or national project in STEM education, please let us know.'

Nastavni materijali

Izvještaji

Stručna usavršavanja

Razmjena resursa

Home > Resources

RESOURCE REPOSITORY

Find resources by keyword

ADVANCED SEARCH

Subject Min age Max age

Type Languages STEM strategy criteria

TEACHING MATERIALS **REPORTS LIBRARY** TRAINING COURSES LRE MATERIALS

2493 RESULTS FOUND.



★★★★★

♥ Add to favourites

! Report a problem

Educational toolkit: Biotechnology: Health and Environment

Descriptor: biotechnology medicine

Copyright: ⓘ Age: 13 - 19 Project: ODYSSEY

Description: Biotechnology is a catalyst in the field of health, agricultural and food industries improving living conditions. However, many scientists claim that it carries many risks for both, health and environment. This educational package explores the concept of...

SOMR available to any teacher, Ministry of Education, STEM expert during the current COVID-19 lock-down period:

[READ THE INSTRUCTIONS!](#)

[In your country](#)

[Observatory](#)

[Scientix Moodle](#)

[Scientix Webinars](#)

[Scientix blog](#)

SCIENTIX RESOURCES
WIDGET

TRANSLATION
SERVICE

NEW TRANSLATION
SERVICE!

OTHER
REPOSITORIES

- Learning Resource Exchange for Schools
- Open Discovery Space

Mogućnosti

Na ovaj se način ruši jezična barijera, te time sve više projekata postaje dostupno korisnicima iz Hrvatske. Izgovor kako je jezik problem za uključivanje u projekte postaje na ovaj način besmislen.

GET INTRODUCED TO SCIENTIX IN YOUR LANGUAGE HERE!

Scientix offers you to learn more about the community and participate in all the 24 languages of the European Union. Pick a language of your preference and share with your friends!

БЪЛГАРСКИ	HRVATSKI	ČEŠTINA	DANSK
EESTI	ENGLISH	SUOMI	FRANÇAIS
DEUTSCH	ΕΛΛΗΝΙΚΑ	MAGYAR	GAEILGE
ITALIANO	LATVIEŠU	LIETUVIŲ	MALTI

THE SCIENTIX LANGUAGES

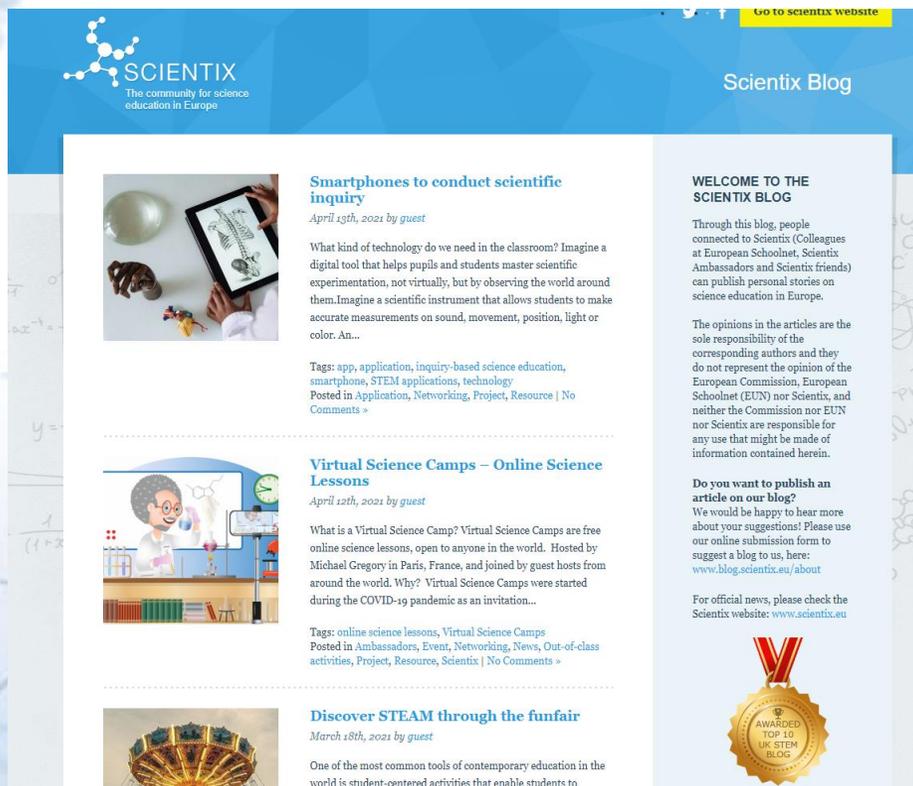
At the top of the website, you have the option of changing the language of the website into one of the 24 languages we offer at Scientix. However, only 8 of those are default languages. Those are English, Dutch, French, German, Italian, Polish, Romanian and Spanish. All content is translated in those 8 languages, while all static content is available in the remaining 16. Individual descriptions of news, events, projects and resources are only available in the 8 primary languages.

Use the language bar at the top of the website to select your preferred language.

Which gives you a menu of available languages. This applies to all the 24 languages on the Scientix portal.

Please keep in mind that although those 24 languages are available, English is the default language. Content that is not translated in one of the 8 Scientix languages is only visible in English.

Objavite članke



The screenshot shows the Scientix Blog homepage. At the top left is the Scientix logo with the tagline "The community for science education in Europe". The page features three article previews on the left and a central sidebar with a welcome message and a medal award.

Smartphones to conduct scientific inquiry
April 13th, 2021 by guest
What kind of technology do we need in the classroom? Imagine a digital tool that helps pupils and students master scientific experimentation, not virtually, but by observing the world around them. Imagine a scientific instrument that allows students to make accurate measurements on sound, movement, position, light or color. An...
Tags: app, application, inquiry-based science education, smartphones, STEM applications, technology
Posted in Application, Networking, Project, Resource | No Comments »

Virtual Science Camps – Online Science Lessons
April 12th, 2021 by guest
What is a Virtual Science Camp? Virtual Science Camps are free online science lessons, open to anyone in the world. Hosted by Michael Gregory in Paris, France, and joined by guest hosts from around the world. Why? Virtual Science Camps were started during the COVID-19 pandemic as an invitation...
Tags: online science lessons, Virtual Science Camps
Posted in Ambassadors, Event, Networking, News, Out-of-class activities, Project, Resource, Scientix | No Comments »

Discover STEAM through the funfair
March 18th, 2021 by guest
One of the most common tools of contemporary education in the world is student-centered activities that enable students to

WELCOME TO THE SCIENTIX BLOG
Through this blog, people connected to Scientix (Colleagues at European Schoolnet, Scientix Ambassadors and Scientix friends) can publish personal stories on science education in Europe.
The opinions in the articles are the sole responsibility of the corresponding authors and they do not represent the opinion of the European Commission, European Schoolnet (EUN) nor Scientix, and neither the Commission nor EUN nor Scientix are responsible for any use that might be made of information contained herein.
Do you want to publish an article on our blog? We would be happy to hear more about your suggestions! Please use our online submission form to suggest a blog to us, here: www.blog.scientix.eu/about
For official news, please check the Scientix website: www.scientix.eu

AWARDED TOP 10 UK STEM BLOG

[Home](#) > [Community](#) > [Public-profiles](#)

PUBLIC PROFILE DIRECTORY

Teachers

Schools

Select country

Select language

Select subject

Select role

SEARCH

RESET



123 123

 Lithuania
Lithuanian

Organisation(s):

Šialių "Romuvos" gimnazija
information technology trainer



15101608338 ihsan coşkun

Organisation(s):

STEM Discovery campaign 2021

2021
STEM
DISCOVERY
CAMPAIGN
SUSTAINABILITY & CITIZENSHIP



PARTNER PROJECTS



PARTNER ORGANISATIONS



Podrška

NCP (CARNET): Tina Marković

Scientix ambasadori

2014. dva ambasadora

2016. osam ambasadora

2021. dvadeset i jedan ambasador

Croatia

Karolina Brleković, kbrlekovic@gmail.com

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Bosiljko Đerek, bosdjerek@yahoo.com

Marija Gaurina, marija.borozan1@skole.hr

Marica Jurec, marica.jurec1@gmail.com

Barbara Mandusic, barbara_susanj@yahoo.com

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Aleksandra Brmbota, aleksandra.brmbota@skole.hr

Slavica Bernatović, slavica.bernatovic@gmail.com

Mogućnosti

Učiteljima Scientix nudi nastavne materijale iz stotina europskih projekata.

Materijali su dostupni na 8 jezika:

nizozemski, engleski, francuski, njemački, talijanski, poljski, rumunjski i španjolski.

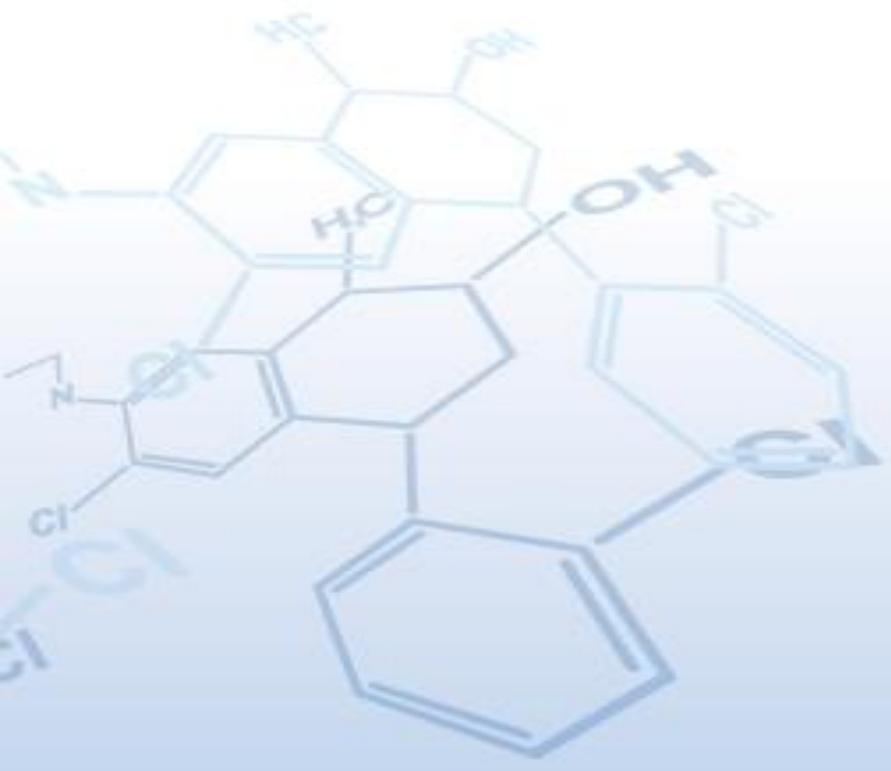
Postoji mogućnost – prijevod na zahtjev.

Ako tri registrirana člana Scientix zajednice zatraže prijevod na hrvatski jezik, službeni prevoditelji će prevesti tražene materijale.





$$F = \frac{d}{z} \frac{1}{T} \frac{d}{dz} \left(\frac{1}{T} \frac{d}{dz} \right) \left(\frac{1}{T} \frac{d}{dz} \right) \dots$$
$$-\frac{d}{dz} \int_0^z \psi(z') dz' = \psi(z) = - \int_0^z \left(\frac{d^2 \psi}{dz'^2} + \psi(z') \right) dz'$$
$$HCl + H_2O \rightleftharpoons Cl^- + H_3O^+$$
$$V = \frac{4}{3} \pi R^3 (3e_1^3 + 3e_2^3 + L^3) \quad ? V = \int_0^R \frac{4}{3} \pi r^2 H(r) dr$$



Hvala