



ERASMUS+ Promoting the development of personal knowledge and creating a sustainable lifestyle



Promoting the Development of Personal Knowledge and Creating a Sustainable Lifestyle

Promoting the Development of Personal Knowledge and Creating a Sustainable Lifestyle or short Love Sustainable Society

People on the planet Earth can choose between two options: we can choose to handle our environment with care and accept sustainability, or follow the idea that someday in the future, humanity may lose a healthy life in a healthy environment.

In the past, many civilizations self-destructed and got lost on the timeline of history. But today, the world is globalized, and harming our environment can have global consequences. Parents' and students' surveys showed the need for interesting and actively carried out natural science activities and international cooperation.

Through the project Promoting the development of personal knowledge and creating a sustainable lifestyle, team leaders and teachers of the partner schools created opportunities for cooperation, common strategies, orientations, and needs of this project and created ways how to:

- develop and strengthen applied science knowledge, extend new school practices to the participating schools,
- transfer problem-based learning and formative learning to the participating schools,
- inform students about green/environmental jobs,
- transfer the achievements of the project to the families of students and follow lifelong learning about sustainability,
- convey the idea of an outdoor classroom to participating schools,
- present the results of the project with video production or journalism (videos, short reports, news),
- follow the example of a school that is successful and rewarded in the ecological field,
- promote fieldwork and with results affect the local community,
- promote an entrepreneurial mindset, creativity, critical thinking,
- spread less known European languages and improve the knowledge of English,
- integrate project activities into classes.

The main target groups are students and teachers, parents, and local communities. We want to develop a stimulating learning environment that enables students to combine natural sciences with an awareness of the importance of keeping the planet Earth for future generations. We incorporated experiential learning and followed elements of formative assessment. Principals and teachers of the four partner schools participated in the project, mostly English teachers, science teachers, and primary class teachers. The project wouldn't be completed without janitors, school cooks, secretaries, and accountants. Project teams of the four schools cooperated well on a personal and professional level, were flexible, and shared the same sense of purpose.

October 2019



Osnovna šola Anice Černejeve, Makole, Slovenija

STEPS TO GET STARTED

We presented the project at school to the students, teachers, parents, and the community. We designed the project bulletin board and the project logo ideas.

Younger students made flags of the project partners' countries. We had a class discussion on Climate protests.





Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

CREATING THE PROJECT'S LOGO

How to start a friendly collaboration between three countries? Encourage students to participate in an international project, and create a logo that can be used throughout the project.





Osnovna šola Anice Černejeve, Makole, Slovenija

TREES IN DIFFERENT SEASONS

We carried out a mini project 'Trees in Different Seasons'. Students from 4th and 5th grade under the guidance of class teachers prepared art products of autumn leaves. Students and teachers from 1st to 5th grade participated as well.





November 2019



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Let's start the project!

Many project activities started in September in continued to November 2019! At ESKKP we renovated the school hall and changed colors of the walls to blue and white. We added a wooden wall board with the name of the project. Students created ideas for the project's flag, flags for all partner schools were prepared for the Short-term staff training event. On the other hand the most important things happened on the level of preparing first steps for the international Erasmus+ project. All teachers presented the project ideas to the students from the first to the ninth grade. Teachers' and students' project teams were built and started preparing ideas for the Short-term staff training event. Activities were promoted to Parent Council.

Short-term staff training event Nov 17 - Nov 21

Participants developed personally and professionally, by participating in the Formative Assessment lesson they gained new skills and met interactions between teachers, students, the learning environment, and the learning tasks. Participating students broadened their horizons and increased motivation to learn. Participants developed cultural awareness and open-mindedness, enhanced self-confidence, gained knowledge, and improved language skills. At the Poljčane Elementary School and at the Makole Elementary School, we try to make education more attractive. We tried to pinpoint differences in learning linked to geographical and socio-economic differences. The main topic and aim of the project were to increase awareness of the role of sustainable ways of life, increase

competence in foreign languages, and widen understanding and responsiveness to all kinds of diversity because the four schools come from three different countries. When meeting in Slovenia more positive attitude toward the European projects and the EU values was created. Increased motivation for language learning was felt among students, teachers, and other school staff members. A sense of shared European identity and being open-minded to other participants of the project. Through cooperation for innovation and the exchange of good practice both Slovenian schools wanted to develop international dimension and participate in European projects.

SHORT-TERM STAFF TRAINING EVENT ACTIVITIES

Monday, Nov 18

08:00 Welcome to school

08:20 Welcome program 1

08:45 Snack break

09:10 Welcome program 2

09:45 Coffee break

10:25 Class 3 a, Formative Assessment

11:10 Measuring the Size of Earth; Students' presentation of a complex science project

12:05 Open Doors Hour

13:00 A visit to the Kindergarten

14:00 Lunch at school

14:00-16:00 Break

16:00 Ecoremediation Center

17:30 Dinner

Tuesday, Nov 19

09:00 Welcome to school

09:30 Welcome program

10:15 About the project

11:00 Coffee break

11:30 Open Doors Hour

12:00 Lunch at school

13:00 School Tour

14:00 Project work

15:00-16:00 Break

16:00 Afternoon activities

18:30 Dinner

Wednesday, Nov 20

08:45 Transfer to Rogla

09:45 Field trip

11:45 Treetop Walk Rogla

12:30 Transfer to Skomarje to an eco-farm

13:00 Presentation of the planned activities;

16:00 Transfer to Poljčane and later to Maribor (Smart City Maribor Initiative)

17:00 Transfer to Ljubljana (Lithuanian team)

Elementary School Kajetan Kovič from Poljčane, Elementary School Anica Černejeva from Makole, Stari Grad Primary School from Užice in Serbia, and the Vilnius Antakalnio Progymnasium from Lithuania have been participating in the Erasmus + K2 project Promoting the development of personal knowledge in creating a sustainable lifestyle since 2019. We develop and share innovative practices, promote cooperation, and exchange experiences. One of the forms of cooperation and partnership between schools is mobility for students and teachers of participating schools. Due to the Covid-19 pandemic, the cooperation went differently than we had planned. But where there is a will, there is a way! Instead of live events, we connected with Google Meet, phone calls, e-mails, letters, eTwinning, and Viber. Instead of exchanging students, we realized combined activities that connect fieldwork with virtual presentations.

The project unites all four partner schools. We all take care of our environment and create ways to sustainable ways of. It is time to stop talking and start acting, otherwise, we will lose a healthy life in a healthy environment.

We have finished many activities, the project implementation time has been extended to the end of August 2022.

On Nov 11, 2019, we started the TwinSpace Pages. The first news was about the Short-term staff training event Nov 17 - Nov 21. School coordinators and other teachers started adding photos, texts, and videos. Individual commitment to a group effort actually makes a team work.

In a short-term joint staff-training event all four schools were part of the activity.

The event started on Monday, Nov 18 in Poljčane with the Welcome at school and the Welcome program 1 and 2, Class 3 a, Formative Assessment, presenting the project Measuring the Size of the planet Earth, Open Doors Hour, A visit to the Kindergarten, and a visit to Ecoremediation Center.

On Tuesday we met in Makole. We started with Welcome at school, the next steps were About the project, we chose a new project logo, Open Doors Hour, School Tour, and Afternoon Project Activities.

On Wednesday we were transferred to Rogla, and a Field trip and a Treetop Walk followed. At the eco-farm at Skomarje we talked about the planned activities



























ACTION!

Younger students made flags of the project partners' countries. We had a class discussion on Climate protests.



December 2019



Osnovna šola Anice Černejeve, Makole, Slovenija



HOLIDAY TIME

Students sent hand-written letters to their pen pals. They made Christmas and New Year's greetings and exchanged them with project partners. We had an English language class discussion about Christmas in Slovenia, Lithuania, and Serbia. We talked about the partnering countries.

Students made PPT presentations, and we had class discussions in English, Geography, and Slovenian lessons. We decorated the school's holiday eco ornaments from recycled and natural materials. We had the school's flea market of well-preserved books and toys. We started using sustainable glass bottles and reusable lunch bags.



We made a wooden Christmas tree

Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Osnovna škola Stari Grad, Užice, Srbija

Osnovna šola Anice Černejeve, Makole, Slovenija

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

PPTs and sustainable made creative holiday cards

In December 2019, the four schools exchanged PPT presentations about how we celebrate Christmas and The New Year in the three countries. Students made creative and sustainable Christmas cards and prepared exchanges between the partner schools. Goal: encourage communication between students from three countries, and build qualitative relationships.



Plans



Pupils draw logo templates



Logo selection



January 2020

We wrote compositions in English. The topic was 'How to be eco-friendly. Students became aware of some facts: recycling conserves natural resources, reduces pollution, and saves energy. We have to buy what we will use. We have to donate used items, buy products with less packaging, reduce water waste, use canvas bags instead of plastic, and start a compost pile. We have to change our ways of life.



Students carved the wooden plywood plaques in the technology class 'Project Partner Countries Carving'. Adopting beautiful nature-inspired shapes, organic curls, and colors makes wooden products attractive. Wood is one of the most sustainable and environmentally favorable materials.

February 2020



Vilnius Antakalnis progymnasium, Vilnius, Lietuva

Braking news - Vilnius Antakalnis progymnasium cares about environment

Goal: present ways of reducing waste in our school, spread the word about main environmental problems in the World.



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

The Reading Project of Lithuanian and Serbian Literature translated to Slovenian at The Elementary School Kajetan Kovič Poljčane

On Feb 2 The Reading Project of Lithuanian, Slovenian, and Serbian Literature was held at Elementary School Poljčane. It was related to comprehension and developing dispositions to enjoy reading short stories and fairy tales of the three countries. Students aged 7 to 15 were reading or listening to literature. Literature gives students the chance to see things from someone else's point of view, and being in different shoes is the best way to develop empathy for others. Stories help us to reflect on who we are.



Stories help us to reflect on who we are.









Sustainable Food System

On Feb 2 Presentation of the School Research Paper on Sustainable Food System for students aged 9 to 15 was held in Poljčane.



Club Nature Lovers

The first-graders of ESKKP set up the Club Nature Lovers in the second part of February 2020 on their initiative and started many nature-protective activities. They learned how to recycle, chose walking and cycling, spent time in the school garden, switched off lights, and turned off the water. They tried to find reusable alternatives, promoted eating local food, and were an example to other students. They presented their actions to students of the three partner schools.



Children's Parliament Day and Green Jobs

In February 2020 Erasmus+ students of ESKKP and OSACM discussed green jobs and jobs of the future as part of the National Children's Parliament Day. Green jobs are decent jobs that contribute to preserving or restoring the environment, there are emerging green sectors such as renewable energy and energy efficiency. The transition to net zero carbon emissions is expected to create new types of green jobs. Students talked about jobs like air quality engineer, conservation scientist, energy analyst, and environmental consultant. The activity was presented to the partner schools.

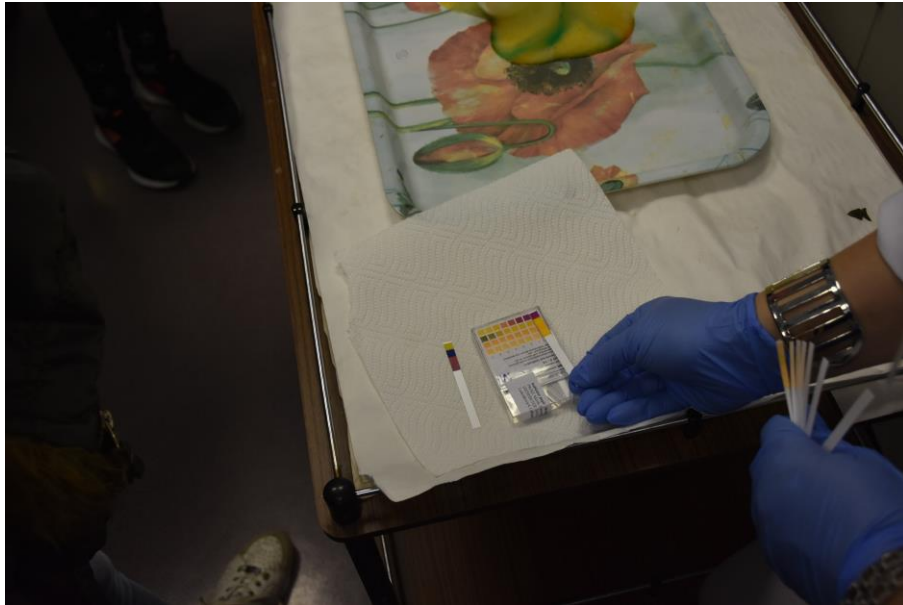


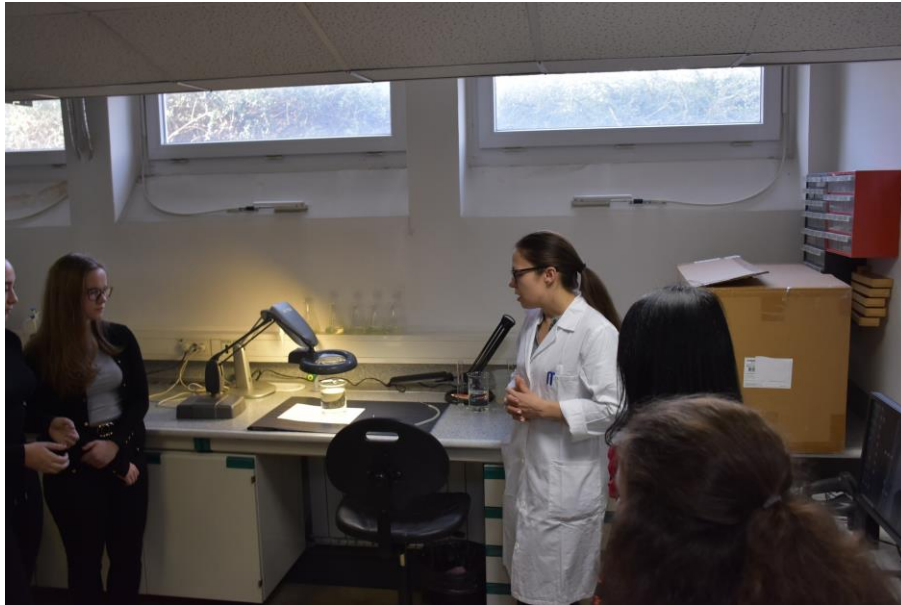
World Climate Strike

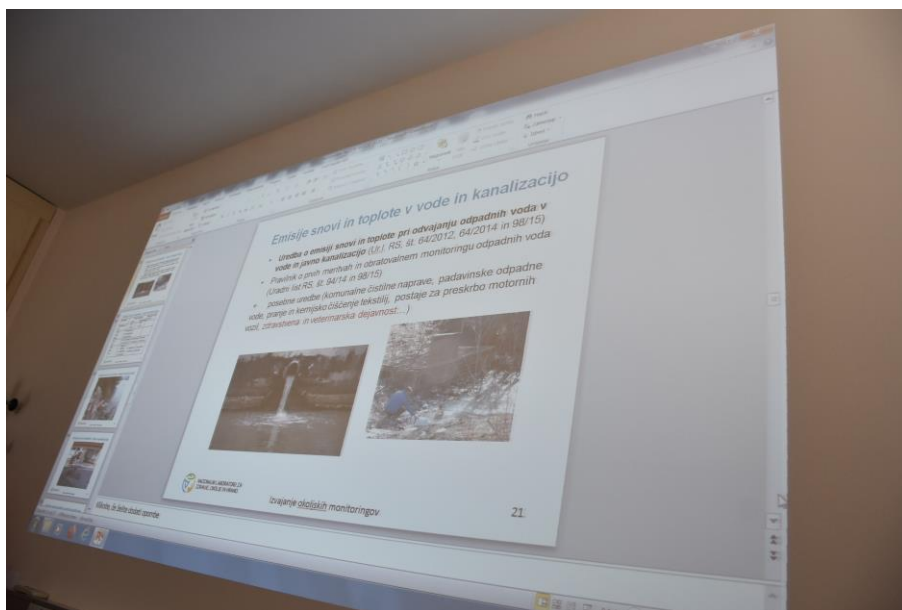
In February 2020 students of ESKKP joined World Climate Strike for the first time. Later we joined the strike a few more times. It's an international movement of school students who participate in demonstrations to demand action from political leaders to prevent climate change and for the fossil fuel industry to transition to renewable energy. Global Week for Future is a series of international strikes and protests. Students became aware of the importance to change light bulbs because replacing one regular light bulb with a compact fluorescent light bulb will save 150 pounds of carbon dioxide a year. They presented some other sustainable activities: drive less, recycle more, use less hot water, avoid products with a lot of packaging, and plant a tree. The activity was presented to the partner schools.

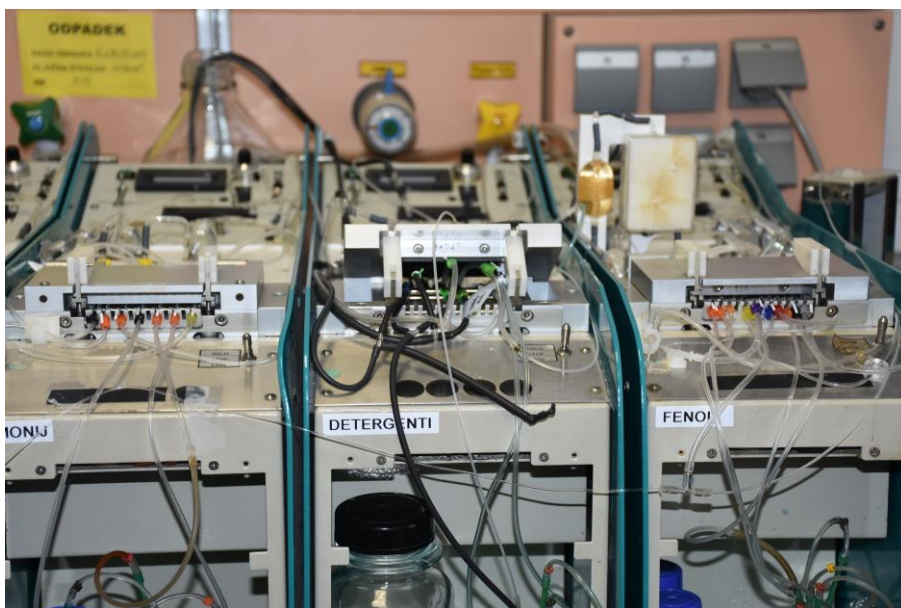
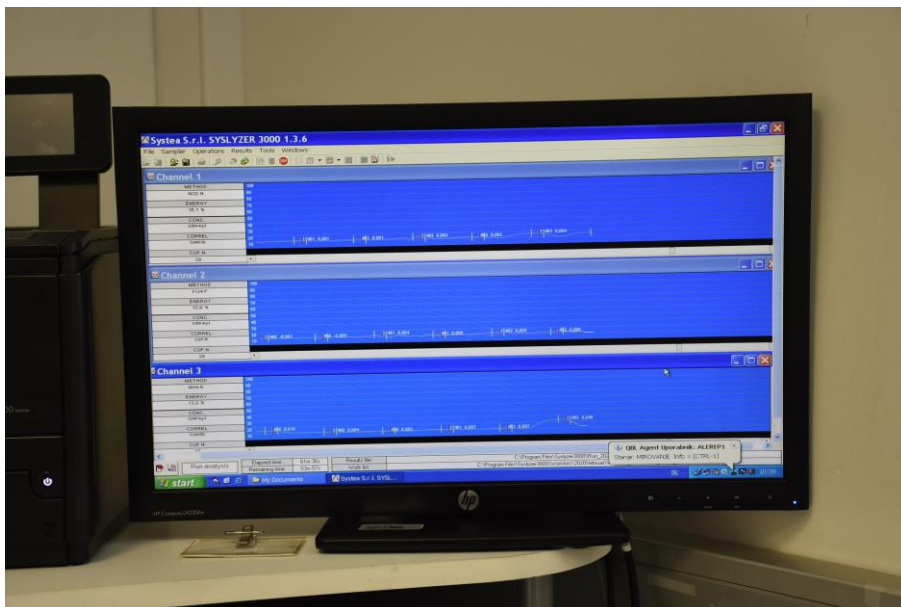
National Laboratory of Health, Environment and Food

We visited the National Laboratory of Health, Environment and Food which is the central and the largest laboratory for public health, dealing with hygienic and health related ecological activities, environment protection problems, microbiological diagnostics and chemical analyses of samples of different kind and research activities. In cooperation with other institutions in Slovenia and abroad, the NLZOH cooperates in national and international research, applicative and advisory projects. They prepared some workshops and lectures for students from Poljčane.





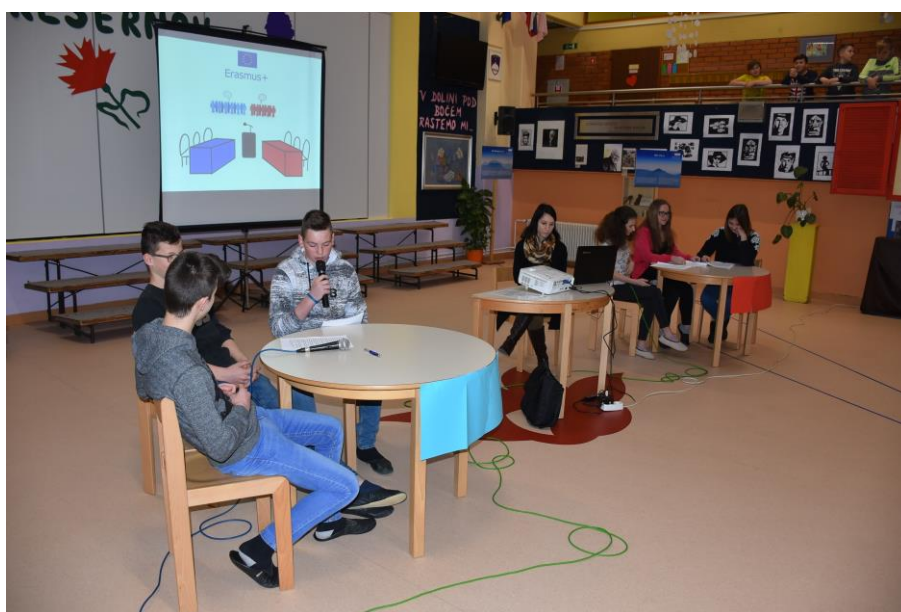






Pro and Contra discussion on Sustainable Food System

Students from Poljčane prepared a Pro and Contra discussion on a Sustainable Food System which is a collaborative network that integrates sustainable food production, processing, distribution, consumption, and waste management. Small steps are important for kids: to learn them how to buy food at the farmers' market, teach them to cook, reduce food waste, and help in the garden. We should remember how to produce, protect, reduce, and restore. We shared ideas with students of the three partner schools. All partner schools became aware that food waste is a big problem. It occurs when edible food is intentionally discarded. In school kitchens and at home we have to take an inventory to prevent overbuying, create a meal plan, save and eat leftovers safely, compost, and use leftovers creatively. In schools menus have to be appealing, and portions smaller. We should take action to minimize the amount of food wasted.







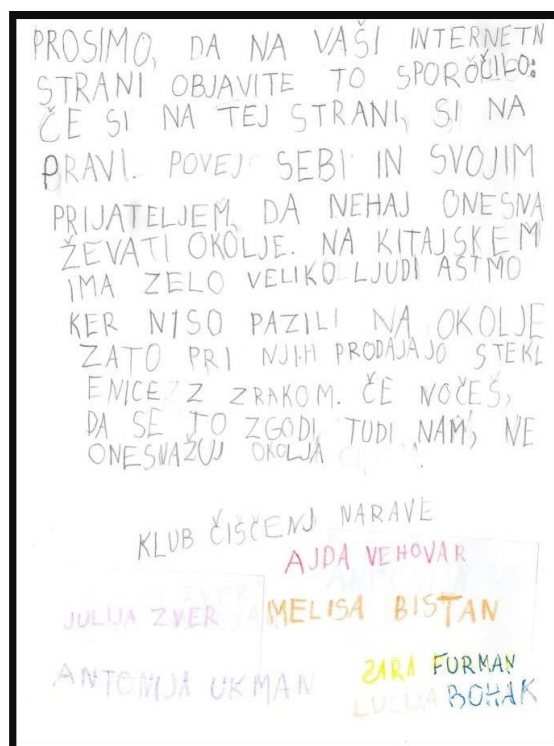
Osnovna šola Anice Černejeve, Makole, Slovenija

Waste food problem and green jobs of the future

Students made a school survey and discussed the waste food problem at school. In the school kitchen some improvements were realized.

At the school parliament, students discussed sustainable green jobs and sustainable job opportunities.

March 2020



Distance learning

23 March 2020 – 24 May 2022

Osnovna šola Anice Černejeve, Makole, Slovenija

Special trees

Students carried out the activity to protect special, old and beautiful trees in the municipality and the school area district. Students were motivated and a group of students prepared a plan for how to find such special trees, what to do to protect them, and ensure a healthy, green legacy for future generations. Students prepared an online questionnaire, using MS Forms, later a survey was made, and the trees were looked for and photographed. The activity was presented to the three participating schools.

Trees are vital. As the biggest plants on the planet, they give us oxygen, store carbon, stabilise the soil and give life to the world's wildlife. They also provide us with the materials for tools and shelter.

April 2020

Osnovna šola Anice Černejeve, Makole, Slovenija

Distance learning

We wrote articles for the school webpage or local newspapers, took photos, wrote poems about trees, and prepared short videos about the activities.

For two years, we gathered local and homegrown seeds and collected them. We sent samples of seeds to the participating schools.

Osnovna škola Stari Grad, Užice, Srbija

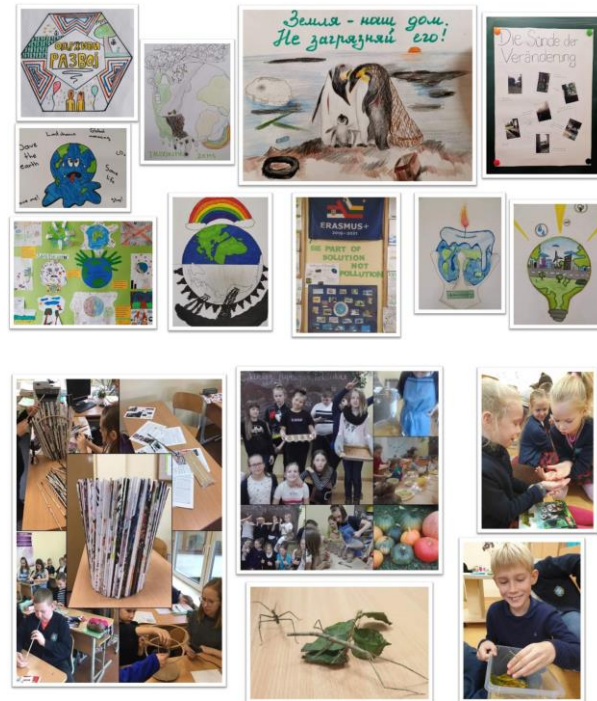
Earth Day

On the occasion of Planet Earth Day, each student of our school made a small contribution to the health of the planet and all living creatures. We planted some plants, composted, cleaned the environment, collected secondary raw materials, sewed canvas bags from discarded materials, distributed them to citizens, and wrote and shared eco messages.

Earth Day was celebrated at all four partner schools to show how much we care about the planet.



We celebrated **Earth Day**, increased knowledge about the pollution problem, and encouraged recycling and interest in nature.



May 2020

Recycling

We recycle batteries, light bulbs, plastic corks, electronics, paper, organic waste, and plastic and paper in the classrooms.

We collect plastic corks to donate.

In Slovenia, the campaign takes place at different locations in cooperation with educational and welfare organizations. The collected funds go to charity.

Both partner schools from Slovenia and the Serbian school still collect plastic corks for charity.



Eco corner

September 2020



Miyawaki Forest

Erasmus+ school team met and discussed possibilities for tiny-urban-Miyawaki-forests.

We established new Erasmus+ student groups.

October 2020



We prepared student video presentations for Erasmus+ friends – online. Students got active, used technology, provided structure, used visuals, and were engaged. They improved their English skills. They shared their videos with students of partnering schools.

November 2020



Osnovna škola Stari Grad, Užice, Srbija

The European Day of Science



On the 7th of November, The European Day of Science, the students presented their work and exhibited their photos in our school hall. They animated other students to participate in activities about sustainability: selecting garbage at school and home, collecting bottle caps for humanitarian purposes, and reducing the use of water and electricity. This day is to show the importance of science used in the daily life of people.

Osnovna šola Anice Černejeve, Makole, Slovenija



17 November 2020 video conference with coordinators from partnering schools took place. We had an online Traditional Slovenian Breakfast event on 20 November 2020. Bread, butter, honey, milk, and an apple make up this traditional breakfast, all locally produced and healthy.

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Trees

The main topic of discussions in Poljčane during different school lessons was trees. Trees have been on Planet Earth for thousands of years. They cannot move but can breathe like humans. Trees absorb toxic carbon dioxide and provide us with pure and free oxygen. Trees give us fruits and grains, store carbon, stabilize the soil and give life to wildlife. One of the very important projects was planning which trees to plant in the area of the new school stadium. We still keep on protecting the school plane tree which was endangered because of drought and high temperatures which can kill a tree, and because of the renovations on the school playground. Hot summers cause heat stress, and the plane tree was in danger in the summer of 2022.



Trees absorb toxic carbon dioxide and provide us with pure and free oxygen. Tree planting has a big potential to tackle climate crisis.







December 2020



Eco Christmas trees and decorations

Our 3rd and 4th-grade students and their teachers made and exhibited their eco Christmas trees and decorations. They used materials for recycling which they gathered while selecting waste in their households. Their work has been promoted in our school hall and the 'tickets' for the exhibition were plastic bottle caps, as our support to the Bottle Cap for Handicap.

humanitarian activity



Festivity time is coming. Our students traditionally make greeting cards for Christmas and New Year.



Osnovna šola Anice Černejeve, Makole, Slovenija

Decorations from sustainable materials

We made and exchanged Christmas and New Year's greetings with project partners online.

Students made decorations from sustainable materials.



Festivity time is coming. Our students traditionally make greeting cards for Christmas and New Year.



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Christmas cards

Second graders made some sustainable Christmas cards and prepared a video.



Virtual art gallery

Autumn brings many gifts! You just have to find them and make art with leaves, branches, grass... Students of class 1 a were creative. They put their pictures to the virtual art gallery!



[**CLICK HERE!**](#)

Virtual greeting cards

Christmas and New Year Holidays are here again! First grade students decided to make virtual greeting cards this year! They learn how to be sustainable and they want to live sustainably. Saving paper when making and sending greeting cards is the right way to do it!



Advent wreaths

Advent wreaths were made from natural materials by Class 1 b.

We love to celebrate holidays, and one of the joys of the season is bringing people together through traditions. And who says that Advent wreaths must be round and made of fir green?

Students were eager to make DIY all-natural Christmas wreaths, and they didn't want wreaths to be made from materials that have environmental impacts.

Students and their parents went to the nearest forest and the backyard with some pruning shears and baskets. They gathered some greenery and branches, leaves, moss, and chestnuts, acorns, beechnuts.





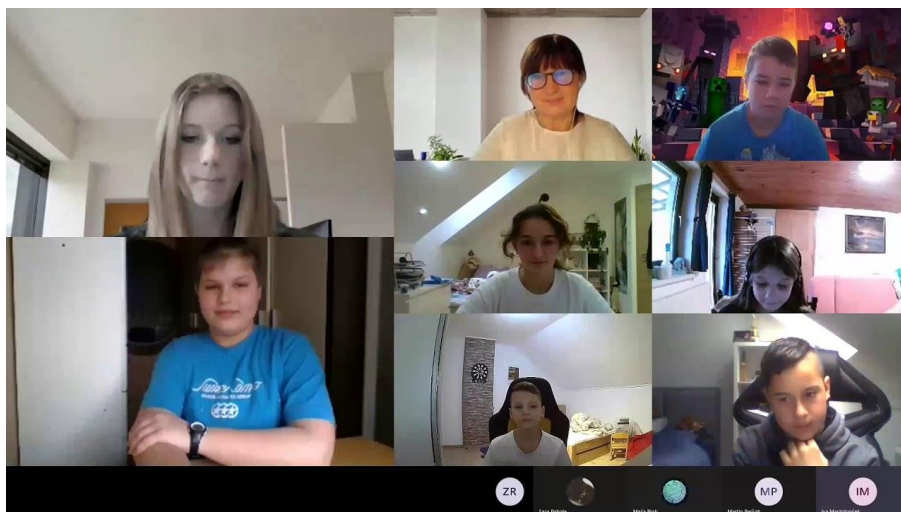
Sustainable sports activities

In the corona times, students at the Elementary School Kajetan Kovič Poljčane loved sports activities even more. They mostly stayed at home on computers, but also spent a lot of time in nature because they had many sports activities carefully planned by sports teachers. In December 2020, teachers prepared a month sport activity planner. Each student entered actual results for different activities, and parents confirmed each result by a signature. There were different levels of tasks, indoors or outdoors, individually or in groups, practical and theoretical. Students also had to send short videos and photos of different sports activities to their sports teachers as a proof.



Best wishes to the students and staff of partner schools

At Christmas time, students of class 7 b prepared a video with the best wishes to students and staff of partner schools.



At the end of the year 2020 project coordinator posted a letter on eTwinning

Many ways to describe this wacky year.

The year 2020 was the 20th year of the 3rd millennium. It sounds interesting but 2020 was also a year of pandemics, lockdowns, economic and social problems, postponed events, a year of no traveling, and according to well-known facts also the worst year in terms of climate change. The main reasons lie in natural catastrophes, such as huge bushfires, and in the fact that NONE of the international Sustainable Development Goals for the year 2020 were achieved.

Love Sustainable Society is a project, which aims to promote the development of personal knowledge and a sustainable lifestyle for each of us. We have to try as much as we can to avoid exploiting nature in unsustainable ways of life.

Contents of sustainability need to focus on personal, family, community, state, regional, and international perspectives, such as the project Love Sustainable Society. We have to show the students that they can have a positive effect on their lives and the lives of others, they have the power to act, to take an active role in communities, both local and international. The concept of sustainable living can be well transmitted to all students, future citizens, and their families.

Let's be proud of all the activities we have already finished and the activities we have planned together and are waiting to be completed in the new school year or at the end of August 2022.

And let's remember which good things happened in 2020: scientists discovered and manufactured vaccines that will prevent the disease, thousands of people volunteered to help those in need, health workers and many others risk their lives to save ours, and many people found new meaning in their lives, we became accustomed to video calls and work from home is possible, carbon dioxide emissions declined, here are new agreements for carbon neutrality by 2060 and electric cars are sold more and more, many pets were adopted, puzzles and board games became cool again, even chess boards returned, we rewatched old favorites, we kept optimism thriving and cute puppy and kitten cards are still the most popular...

My wish for all of you at the end of 2020 is to practice gratitude, hug your friends and family (yes, we can still hug a lot), and don't wait to live your best life. Because as we know, we have it now and here.

Slovenian Team from the Elementary School Kajetan Kovič Poljčane and project coordinator Marina Koražija

Love Sustainable Society is a project, which aims to promote the development of personal knowledge and sustainable lifestyle for each of us. We have to try as much as we can to avoid exploiting nature in unsustainable ways of life.



Sustainable sports activities

We run, play tee-ball, volleyball, basketball, and football, rollerblade and do gymnastics, jump with skis, learn how to ski alpine style, love to bike, skate, compete in orienteering, dance, play games on grass or snow, can ride unicycles, we practice aerobics... This is how we develop our physical abilities, socialize, strengthen our health, and stay active.

Snapshots from school life of Elementary School Kajetan Kovič Poljčane

The Elementary School Kajetan Kovič Poljčane is 210 years old. There are not just walls, classrooms, playgrounds, gym, hallways, school kitchen, and dining room, but the heart of our school is students, from the youngest to the ninth graders, teachers, and all the employees.

And students at our school learn, discuss, cooperate, build, play, talk, prepare project presentations, sing, paint, do experiments, play sports, participate in different activities, compete in national TV trivia... We are part of the Slovenian cultural school project, we have many extracurricular activities, we sing and write stories, we speak two foreign languages, and we participate in many different projects, in many competitions. One of the most important decisions is to follow a sustainable way of life in school and our families.

Cooperation with parents, grandparents, and other family members is strong, we participate with local government and organizations, and we make connections internationally. We get awards, we present our work publicly in the local media, we are noticeable at the national level, and we cooperate internationally.

Our school exists for over 210 years. All these years past is our lesson, we live and create in the present to grow the wings for the future which is our motivation.

With many sports activities, we make a strong connection with nature around us. We love to be active outside, on the school playground, on green grass, and in winter snow. We try to maintain a sustainable lifestyle and not endanger our environment with our activities.

LSS coordinator



January 2021

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Birdhouses from waste materials

Classes 2 a and 2 b of ESKKP made birdhouses from waste materials in January 2020.





February 2021



Osnovna šola Anice Černejeve, Makole, Slovenija

Snow-bell

We had Snow-bell day. We learned about the traditional Slovenian plant and visited the local snow-bell habitat.



March 2021

Osnovna šola Anice Černejeve, Makole, Slovenija

Green jobs

We discussed the topic and learned about sustainable green jobs at the school parliament discussion.



Vilnius Antakalnis progymnasium, Vilnius, Lietuva

Seed exhibition

We appreciate what Mother Nature gives to us and we realize that even the smallest thing can create something amazing.



Planting mini Miyawaki forest

We planted a mini forest in the school territory. Students were involved in tree planting activity. They increased their knowledge about the importance of trees. The Miyawaki Method is one of the most effective tree-planting methods for creating forest cover quickly in urban areas. In the project Love Sustainable Society, we realized how trees are important for providing oxygen, improving air quality, conserving water, preserving soil, and supporting wildlife.



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Our biology and chemistry teacher prepared a book: Animals and plants of Lithuania, Slovenia and Serbia.

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allow-popups allow-same-origin allow-scripts" scrolling="no" style="border: none; max-width: 100%;
max-height: 100vh" allowfullscreen mozallowfullscreen msallowfullscreen
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We were finally able to do an exhibition of the photo competition I live with trees in March 2021:



April 2021



Osnovna škola Stari Grad, Užice, Srbija

Ecological classrooms

In our school we have ecological classrooms. The students showed creativity with their teachers.



Vilnius Antakalnis progymnasium, Vilnius, Lietuva

If a tree could talk, what would it say?

Goal: show that trees are not just for paper and firewood, they can listen and hear us and they are a very important part of our nature.



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

How to measure the size of the blue planet?

Slovenia is one of the smallest European countries, but it is big enough that we can measure the curvature of the Earth's surface and the size of the planet with the appropriate measuring device just by observing distant peaks.

In this project, we need the appropriate measuring device. We want to measure the distance between two attachments and the altitude difference between the observed attachment and the water level that indicates the horizontal axis. The direction of the observed peak must coincide with the direction of both attachments.

Due to the curvature of the Earth's surface, the distant peaks actually appear lower than they would be if the Earth were flat. This phenomenon is more obvious if the mountains are far away.







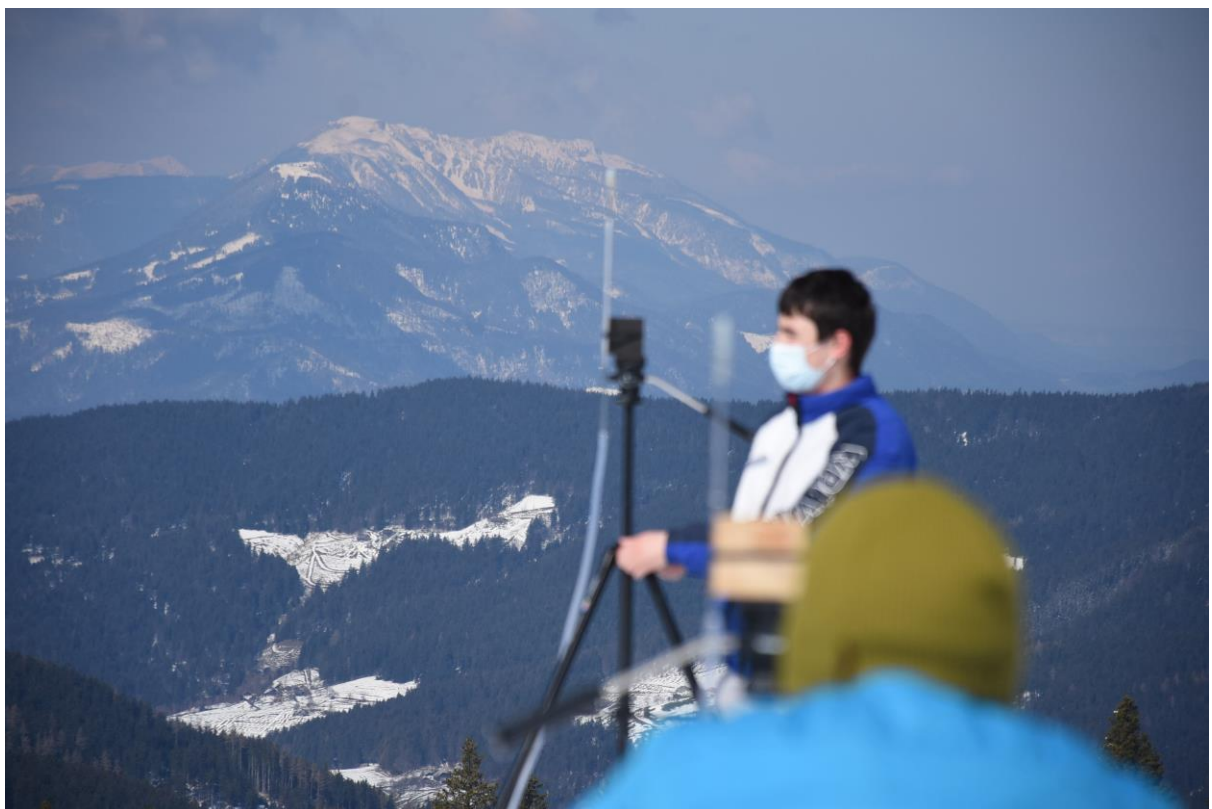
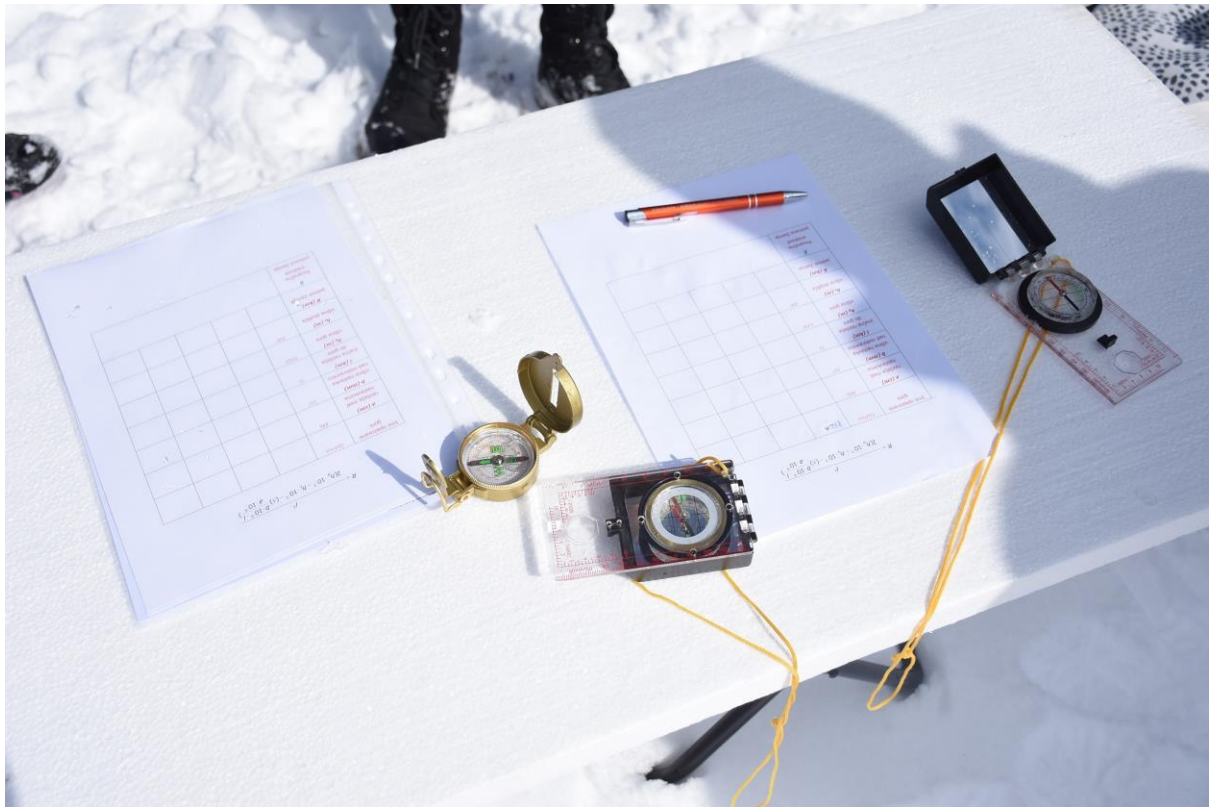








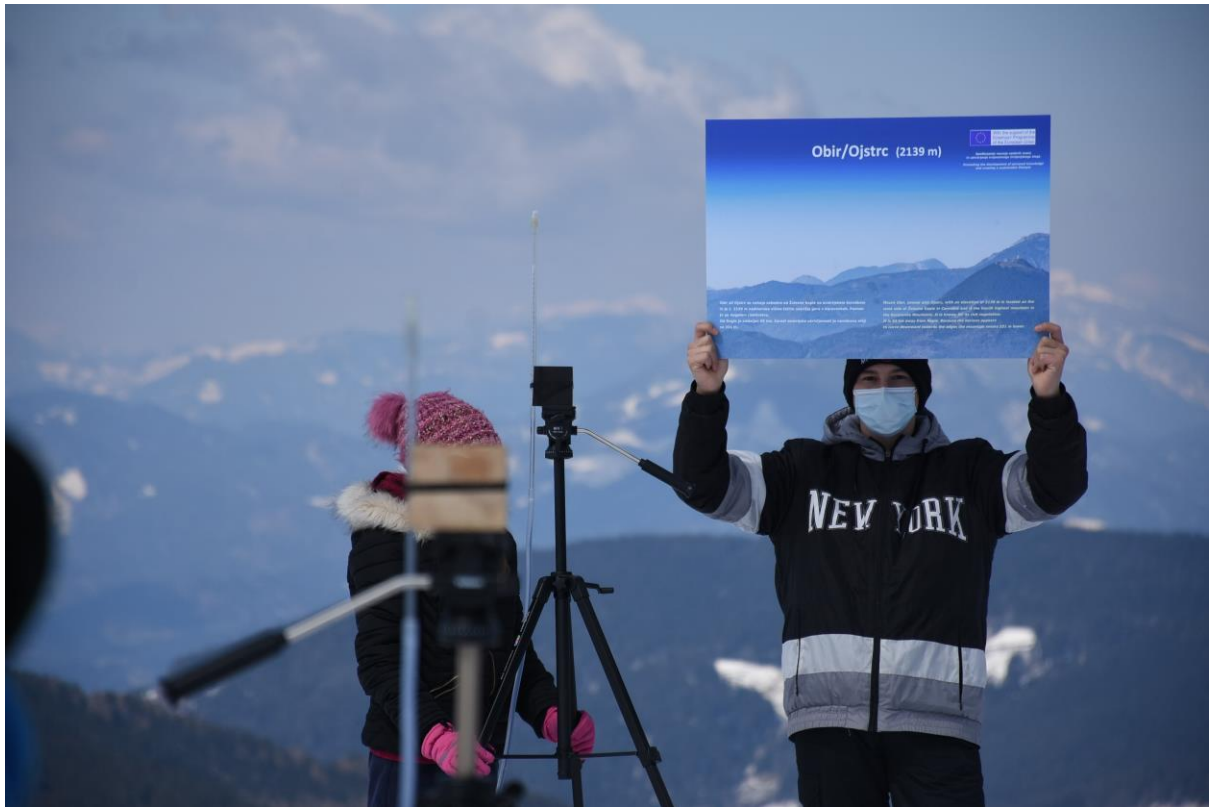














Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Osnovna šola Anice Černejeve, Makole, Slovenija

Vilnius Antakalnis progymnasium, Vilnius, Lietuva

Earth Day activities

Earth Day activities – learning and speaking about the Earth emphasizing the sustainability.

Exhibition in the school hall of ESKKP on April 22, The Earth Day:

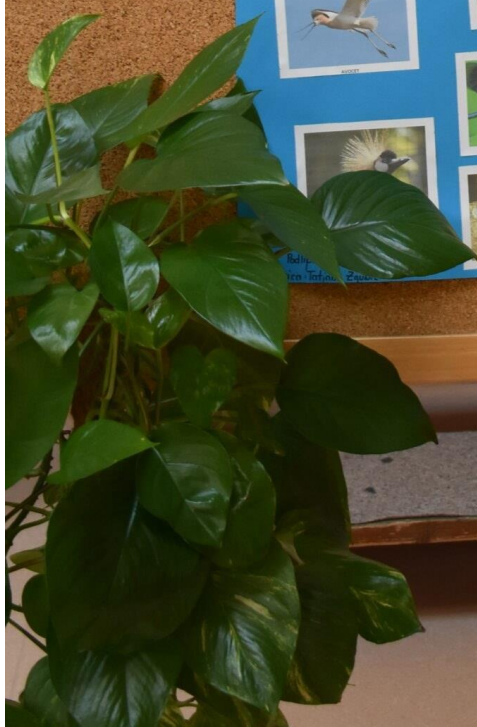




With the support of the
Erasmus Programme
of the European Union



MENTORICA:
TATJANA ZGUBIČ

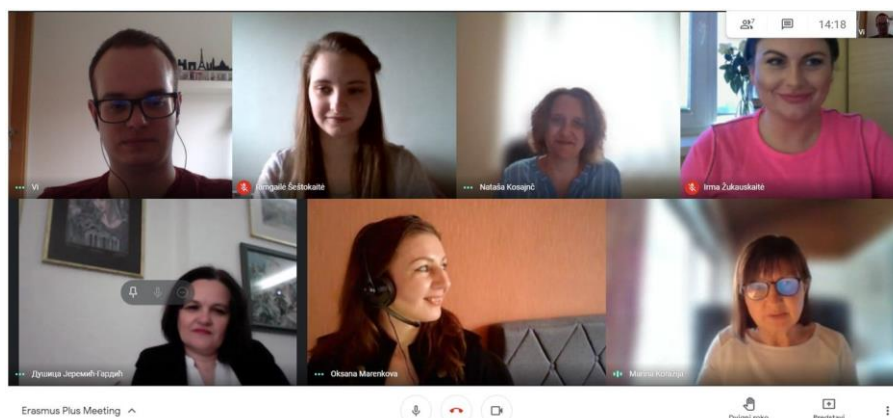


Vilnius Antakalnis progymnasium, Vilnius, Lietuva

Osnovna škola Stari Grad, Užice, Srbija

Osnovna šola Anice Černejeve, Makole, Slovenija

Osnovna šola Kajetana Koviča, Poljčane, Slovenija



GOOGLE MEET activity (Tuesday, April 20th)

School coordinators and team members of four schools agreed on some facts about the Kahoot quiz in May and on many other activities to the end of the school year.

A) Kahoot for younger students:

- 25 students from each school
- 24 questions about Lithuania, Serbia, and Slovenia (8 questions for each country)
- May 19th, at 10 am (at 11 in Lithuania)
- 40 minutes (10 to register + 30 for the quiz)

Irma Žukauskaitė started a Meeting Room for younger students and some teachers.

Diplomas for younger students were prepared.

B) Kahoot for older students:

- 25 students from each school
- 60 questions about Lithuania, Serbia, and Slovenia (20 questions for each country)
- May 19th, at 12 o'clock (at 1 pm in Lithuania)
- 70 minutes (10 to register + 60 for the quiz)

Diplomas for older students were prepared.

Oksana Marenkova started a Meeting Room for older students and for some teacher.

The best 5 students, younger and older, from each school should get a diploma.

C) Planting Miyawaki mini-forest

We agreed for the steps:

Find a good spot for the mini forest.

Talk to an arborist and make some plans.

Determine the soil texture.

Design the forest.

Select ONLY native tree and bush species for plantation.

Prepare the area.

Plant the trees!

A fence is mandatory.

Add an inscription board (Love Sustainable Society, May 2021 + Scientific names of plants and Serbian/Slovenian/Lithuanian names).

Look after the forest for the next three years.

A Miyawaki forest becomes one way of doing our bit to help the environment. And spending time near trees improves physical and mental health!

D) All four Erasmus+ schools did three days of activities, which were different, on different days, the main topic was sustainability. In Poljčane my coworkers planned to do two activities, Measuring and monitoring water quality of the Dravinja River and Measuring the size of the planet Earth.

E) April 22nd: presentations, online PPTs, videos, live presentations.

F) Promote the project: the three Ps (posters, presentations, and papers) of dissemination (articles to local newspapers, radio, TV).

G) eTwinning: add texts, videos, photos. Like content, disseminate to your coworkers, students, their parents...

H) School home pages: add texts, videos, photos. Elementary school Poljčane home page: <http://ospoljčane.si/nova/> You can find Love Sustainable Society in Projekti or at the bottom of the page in Erasmus+.

May 2021



Vilnius Antakalnis progymnasium, Vilnius, Lietuva

Osnovna škola Stari Grad, Užice, Srbija

Osnovna šola Anice Černejeve, Makole, Slovenija

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Blended Mobility

We hosted the first virtual meeting with students and teachers from three partnering countries. The three-day virtual meeting took place on Wednesday, May 19, 2021. We carried out a virtual activity "How well we know the partnering countries?". As the hosts of the meeting, we prepared the Kahoot quiz for younger and older students. 25 younger and 25 older students took part in the virtual quiz. We carried out the remaining activities on the school day. Students made products from natural and sustainable materials and we planted some plants and trees the Miyawaki way in the vicinity of our school.

We carried out these **the three-day virtual meeting activities**:

Tuesday, May 18

9.00 am: Programme Land Art

9.30 am: Crafts from recycled items

10.30 am: Planting trees

11.00 am: Making stands Ecological disasters

11.30 am: Fashion show Fashion from recycled items

Noon: Making green cocktails and ice-cream

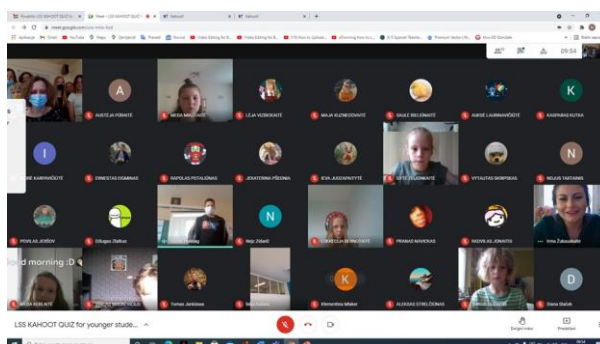
12.30 pm: Project work National Parks

13.00: Green walks

13.40 – 14.20 pm: School presentations by Google Meet



5 - Osnovna šola Anice Černejeve, Makole, Slovenija



Wednesday, May 19

9.00 am: Younger students discuss topics of the quiz

9.45 am: Google Meet with younger students and their teachers of 4 partnering schools

10.00 am: Kahoot Quiz about the 3 countries, Lithuania, Serbia, and Slovenia (25 students, 25 minutes)

10.30 am: Kahoot Podium and Kahoot Diplomas for the best students

11.00 am: Older students discuss topics of the quiz

11.45 am: Google Meet with older students and teachers of 4 partnering schools

Noon: Kahoot about the 3 countries, Lithuania, Serbia, and Slovenia (25 students, 60 minutes)

1.00 pm: Kahoot Podium and Kahoot Diplomas for the best students

1.30 pm: Google Meet Closing Words



6 - Osnovna šola Kajetana Koviča, Poljčane, Slovenija



7 - Osnovna šola Anice Černejeve, Makole, Slovenija



8 - Osnovna šola Anice Černejeve, Makole, Slovenija



9 - Osnovna šola Anice Černejeve, Makole, Slovenija



10 - Osnovna škola Stari Grad, Užice, Srbija

Thursday, May 20

9.00 am – 12.30 pm: Planned activities with students in all four partner schools

Presentations by students — Google Meet

12.30 pm: Vilnius Antakalnis Progymnasium - Eco activities by primary students, Sustainable instrument workshop, The

Green day's activities, Planting trees in the Miyawaki forest

12.50 pm: Osnovna škola Starigrad – Planting trees in the Miyawaki forest, Herbs garden, Reusable shopping bags from

recycled materials, Solar house, Students' report about sustainability

13.20 pm Osnovna šola Anice Černejeve Makole: Preparation and implementation of the Kahoot quiz, learning about the three countries and sustainability, Report about the School Day activities, Planting trees in the Miyawaki forest, and

Workshops on ecology

13.40 pm: Osnovna šola Kajetana Koviča Poljčane - Eco activities by primary students, How to measure the size of the planet Earth, Measuring and monitoring water quality of the Dravinja river and the Brežnica stream

14.00 pm: Closing words

Osnovna šola Anice Černejeve, Makole, Slovenija







Project about Trees

On The Day of our School we were planting plants and trees the Miyawaki way, writing articles for the school webpage or for local newspapers, taking photos, writing poems about trees, preparing short videos about the activities ...

Under the topic of sustainable development and ecology:

We conducted a mini-project "Project about Trees", where students from the subject level under the mentorship of Barbara Gmeiner Kline created songs on the theme of trees.

MEASURING AND MONITORING THE WATER QUALITY OF THE DRAVINJA RIVER AND THE BREŽNICA STREAM

[CLICK HERE FOR DOCUMENT](#)

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allow-popups allow-same-origin allow-scripts" scrolling="no" style="border: none; max-width: 100%;
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webkitallowfullscreen></iframe>



June 2021



Miyawaki Forest

In order to increase biodiversity and sustainable development of our region, the older students planted a mini forest of indigenous species of trees and shrubs.

Medicinal herbs

In order to increase biodiversity and raise awareness of the importance of plants for human health, younger students planted medicinal plants





Osnovna šola Anice Černejeve, Makole, Slovenija

Sustainable garden

We had the School garden day – working on our small sustainable garden.



Serbia!

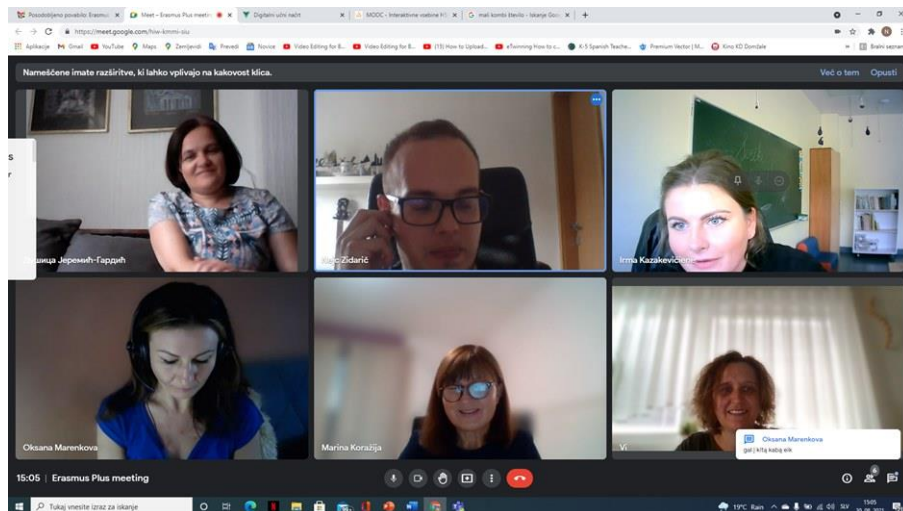
We were preparing for the meeting in Užice.



August 2021

Virtual meeting

Virtual meeting of the coordinators – preparing for the meeting in Užice.



Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Peach during the year: 2020 September - 2021 August

Goal: find out how the peach tree changes during the year. We took a picture of the same peach tree on the 29th of each month.



September 2021



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Osnovna šola Anice Černejeve, Makole, Slovenija

Young people want to live a more sustainable lifestyle

(The article was published in Bistriške novice in Slovenian language)

Elementary School Kajetan Kovič from Poljčane and Elementary School Anica Černejeva from Makole have been participating in the Erasmus + K2 project since 2019. We want to develop and share innovative practices, promote cooperation, and exchange experiences. One of the forms of cooperation and partnership between schools is mobility for students and teachers of participating schools.

In the project Promoting the development of personal knowledge in creating a sustainable lifestyle Elementary school Kajetan Kovič from Poljčane and Elementary school Anica Černejeva from Makole cooperate with the Stari Grad Primary School from Užice in Serbia and the Vilnius Antakalnio Progymnasium from Lithuania.

The project unites all four partner schools. We all take care of our environment and create ways to sustainable ways. It is time to stop talking and start acting, otherwise, we will lose a healthy life in a healthy environment.

Due to the Covid-19 pandemic, the cooperation went differently than we had planned. But where there is a will, there is a way! Instead of live events, we connected with Google Meet, phone calls, e-mails, eTwinning, and Instagram. Instead of exchanging employees and students, we realized blended activities that connect fieldwork with virtual presentations.

We have already finished some activities, some of them are in progress, and in this school year, we will finish all the activities because the project implementation time has been extended to the end of August 2022.

Students from Poljčane realized two high-profile activities about the planet Earth and about local water pollution through video meetings. We also created a short video on this topic.

The outstanding activity was carried out on Rogla. Mentor, Goran Sabolič: 'We take students to field trips and encourage them to observe the environment. We show them the geographical diversity of Slovenia. Slovenia is a small country with wide natural diversity. Students used a measuring device they made themselves. They understand that the Earth is not unlimited and that global changes affect each of us. '

Water quality in the Dravinja River has improved lately, but students with mentors Tatjana Zgubič and Polona Kobala measured water quality. They realized that the Brežnica stream, which flows near the school, is very polluted. We suggest some procedures to improve the state of water in our environment.

Sustainability is not just about the environment. We want to motivate all students to take care of the green planet and this is one of the reasons we coordinated many different activities:

- we organized a photography competition about trees and prepared an exhibition of award-winning photographs, the mentor Nejc Zidarič,
- the mentor Rok Dragič and teachers of the 1st and 2nd triad motivated students to paint trees or made products from natural materials,
- we have prepared videos with sports and science topics, which are added to the eTwinning portal and on the school website, the mentor of the video activity is Miran Voglar,

- we presented jobs of the future and green jobs, the mentor Nada Druškovič cooperated with the Prizma Foundation,
- we prepared an exhibition of mighty, different, wounded, lonely, exceptional, oldest, most beautiful, tallest, thickest trees in the local environment, the mentor Tatjana Zgubič,
- on World Earth Day, activities took place in all classes, we prepared an exhibition in the school lobby wrote about the beauties of Slovenia in English, we also celebrated the World Bee Day, the mentor Tatjana Zgubič
- we connected with the international project Pogum, the coordinator of the activity is Vesna Vilčnik,
- with letters to the homeland Slovenija in English, we participated in the exhibition Ena in edina, moja domovina Slovenija celebrating the 30th birthday.

Students from Makole learned about the protection of special, old and beautiful trees in the school area and in the municipality, and made products from natural materials.

One of the common tasks of all four schools is to plant an urban forest according to the Miyawaki method. The purpose of planting indigenous trees and shrubs is to create a new ecosystem that will sustainably enrich the environment of our schools. Because we cooperate with Lithuania and Serbia, we will plant the national trees of the partner countries, birch and oak, and of course Slovenian national tree, linden. In this school year, in Poljčane we have modernized the school playground, so we will plant a micro forest in the fall.

But what did we do in the first year of this international project?

In all four schools, we presented the project to students, teachers, parents, and the local community. We have a flag and our own anthem.

Both schools hosted project coordinators and teachers from Lithuania and Serbia.

All four schools cooperated in a mini-project Penpals, exchanged Christmas and New Year greetings talked about the Christmas customs of all three countries learned about the partner countries. The Slovenian schools organized a sustainable traditional breakfast and decorated the school with Eco ornaments made from recycled materials.

The mentor Suzana Vošinek prepared the design and made plans for a durable tote bag for carrying food on activity days.

In both schools, we discussed the issue of food waste and discussed sustainable and green jobs within the school parliament.

A traditional school sustainable market of well-preserved books and toys was held at the Anica Černejeva Elementary School. They made a wooden Christmas tree, they started using reusable water bottles and organic lunch bags. They wrote poems about the environment and about trees, the students carved a memorial plaque out of wood with the name of the project and the partner countries. They collect seeds, recycle batteries, light bulbs, plastic bottle caps, electronics, they separate paper and organic waste in classrooms. On World Earth Day, Makola's students paid special attention to the environment.

The teachers who most actively cooperated with the coordinator Nataša Kosajnč at the Makola school are: Petra Bercko Beranič, Barbara Gmeiner Kline, Anita Koren, Klementina Mlaker, Diana Slaček, Andrej Šafhalter and Jasmina Železnik.

With the school from Lithuania, they moderated a virtual quiz. The students competed in knowledge about the partner countries and sustainability. 50 students from each school participated, the winners received awards and prizes. They organized eco-workshops and baked desserts by the recipes from the partner countries.

At the Poljčane school, all students and teachers were actively involved in the quiz topic, and the preparations took place as an activity at the school and through video meetings.

All partner schools collect materials, make photos and so document all events and activities, we write articles for the school newspaper, the school website, and the local newspapers. We also add content to the eTwinning application, which connects European schools.

And what are the main goals of the Love Sustainable Society project?

Together with students and the local environment, we want to do as much as possible to preserve the green heritage of our ancestors.

What have we changed in our behavior? Here is a list of many improvements:

- we no longer use disposable bottles,
- we have a washable cotton bag for a snack on activity days,
- in the kitchen, we order food from suppliers who do not cause environmental pollution,
- we take care of as little food waste as possible,
- we regularly separate waste, take care of the clean and tidy surroundings of the school,
- we understand the importance and value of trees,
- we know water management is very important,
- we are proud of the diversity of Slovenia and, through experiential learning, we learn about it,
- by planting indigenous plant species (undergrowth, shrubs, trees) we create biodiversity around schools,
- we try to implement ideas of sustainability to the current and future families of students.

In the international activities for students, the combination of personal, professional, and career development of the participants is very important. We try to find innovative ways in the project. And it is very valuable and important that all employees participate in such projects. Our project is a source of authentic challenges and tasks that the whole world is dealing with. It is an investment in the future.

Students of all four schools are ready to co-create very concrete solutions for our planet. The two Slovenian schools are expanding our efforts to the partner schools, and at the same time, we are learning from the good experiences of the participants.

The name Love Sustainable Society says that we share similar challenges. The first letters of the project name are the initials of the three participating countries: Lithuania, Slovenia, and Serbia. We are connected by sustainable activities, the flag, the anthem, and the name of the project.

Through experiential learning and international collaboration, we lead students to become future citizens with clear demands and perceptions that sustainability is a way of life in the future. Sustainable living is trying to live in a way that reduces, or lessens, our use of the Earth's natural resources. It is a balance between the environment, people, and the well-being that the planet offers us. Of course, only if we do not consume more and faster than the natural environment can offer us. Teaching kids sustainable living ideas is an investment in the future. By letting them learn about the natural world and humans' effect on the planet, we're ensuring the next generations will be composed of conscious and compassionate individuals.

Erasmus+ project coordinators Marina Koražija and Nataša Kosajnc



September 21 – 24, 2021

Užice, Serbia

Partner schools:

Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Osnovna škola Stari Grad, Užice, Srbija

Osnovna šola Anice Černejeve, Makole, Slovenija

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Programme

SHORT TERM JOINT STAFF MEETING
OF PARTNER SCHOOLS
ERASMUS+ K29 project

Promoting the development of personal knowledge
and creating a sustainable lifestyle

LOVE SUSTAINABLE SOCIETY

Lithuania Slovenia Serbia

Tuesday, September 21, 2021

9 am: Reception at school (performance, presentations, workshops, and a tour around school)

Noon: City Hall, National Museum, Jokanović's house, Church of St. George

4 pm: Hydroelectric power plant

4 pm: Walk along the beach and the canyon of the river Đetinja

Lunchtime

Wednesday, September 22

9 am: Departure for National park Tara (Mitrovac, viewpoint Banjska Stena, the river Vrelo, Bajina Bašta, house on the river Drina)

Lunchtime

4 pm: Memorial center Kadinjača

Thursday, September 23

9 am: Departure for Zlatibor

10 am: Ride-on Gold gondola

12.15 pm: Visit Stopić's cave

2.30 pm: Old village in Sirogojno

Lunchtime

Cocktail party

Friday, September 24

8 am: Departure for Duboko landfill

9 am: Visit and presentation of the landfill

10 am: A visit to Art School of Užice

11 am: Departure for Mokra Gora

1.30 pm: Ride-on Šargan eight railway

Lunchtime

3.30 pm: Project team meeting (evaluation and plans for activities in the new school year)

4.30 pm: Visit ofDrvengrad

Departure for the Lithuanian team

Saturday, September 25

Departure for the Slovenian team

1 pm to 4 pm: Slovenian and Lithuanian team meet Belgrade

Lunchtime and departure from Serbia

A visit of project partners from Poljčane, Makole and Vilnius
in Užice, Serbia

Sustainable development represents the integral economic, technological, social, and cultural development of society, harmonized with the needs of protection and improvement of the environment, which enables the current and future generations to meet their needs and improve the quality of life.

(Brundtland Commission)



























Worth to visit

Goal: tell our school community about interesting places all over the World



October 2021



Pets from reusable materials

Goal: encourage use of reusable materials



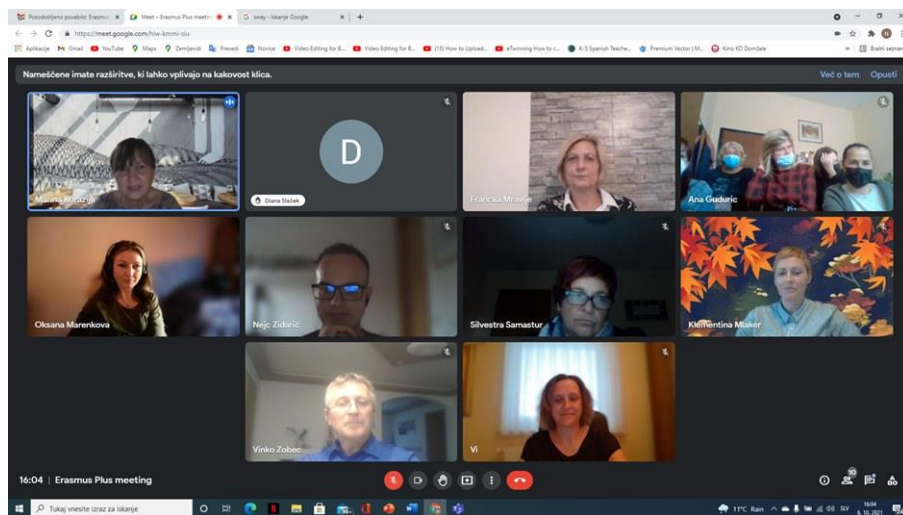
Relief of our region

Within the project Teaching, art and science third class students realised the project Relief of our Region. Modeling clay used for shaping and sculpturing was made by children, using only natural materials.





Osnovna šola Anice Černejeve, Makole, Slovenija



11 - Love Sustainable Society international team – virtual meeting

What would the trees say if they could speak?

Students from 1st to 5th grade participated in the mini project that the Lithuanian team carried out and proposed 'What would the trees say if they could speak?'.



12 - Making the traditional Slovenian hayracks from recycled paper.



Osnovna šola Kajetana Koviča, Poljčane, Slovenija



13 - PHOTO CONTEST: SLOVENIAN NATIONAL SYMBOLS - HAYRACKS

We LOVE apples! Yellow, green, red and HEALTHY!

And here's a tasty apple cake made only with apples

The youngest students brought eco and homegrown apples to the classroom.

Their teacher Irena helped them to make a cake!

Which was very delicious!

YUMMY:)



Preparing raised garden beds and flower beds in the schoolyard





November 2021



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

We have finally planted the Miyawaki forest!

What do you envision when you think of a forest? You probably imagine a land covered with trees. In many countries, traditional forests are being destroyed. Tiny forests have sprung up in cities around the world. They're increasing biodiversity and fighting climate change.

These mini forests are inspired by Akira Miyawaki. He's a botanist, or plant scientist, from Japan who pioneered a unique way of growing forests. It's known as the Miyawaki method. It involves planting a wide variety of native trees close together and leaving them to grow into a dense forest

The Miyawaki method is said to grow trees 10 times faster than other methods. And these tiny forests are more biodiverse than traditional forests. The diversity of tree species attracts a greater variety of insects and amphibians looking for food and shelter.

The Miyawaki method has become popular in Europe. Love Sustainable Society team members of four schools from three countries have decided to plant Miyawaki forests.

The schools in Vilnius, in Užice, and in Makole have already planted their mini forests. On November 2021 students of Elementary school Kajetan Kovič and a team of professional botanists planted the first Miyawaki forest in Poljčane, too.





The fence around the Miyawaki forest

The fence around the mini forest stands firm! It protects the young plants which have already started with the spring growth. We will be watching how the leaves on shrubs and young trees sprout in the next few weeks!

We will take care of young plants in this fast-growing, sustainable, and urban forest throughout the year. Last week, we made sure that the fence remains strong. Third-graders and seventh-graders coated the top of the fence posts with grafting putty. The grafting putty is used for wounds on the trees, but in our case, it will protect the poles from rotting.

Nothing is possible without hard working students. There is a group of Miyawaki forest guardians. The plants will be protected from weeds, pests, we will monitor their growth. Above all, we will monitor which animals will choose a mini urban forest to stop by or even build a new home here. Biodiversity boosts ecosystem productivity where each species, no matter how small, has an important role to play. Think of noise reduction, cleaner air, the amount of oxygen, the wind that will get caught in the branches of trees!





You can see the entire timeline of our forest in a very special presentation by Tatjana Z. Sway:

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Honey plants in the school garden

3rd, 7th, and 8th graders planted honey plants next to the insect hotel in the school playground. We know bees are hard at work if they find honey plants. They gather nectar and pollen for hives and they also spread pollen from plant to plant. The color and scent of flowers attract bees and other insects. When a bee lands on a flower, pollen sticks to the hairs of its body. When a bee flies to the next flower, the pollen sticks to the flower cells. This process is called pollination. Without pollination, new plants or flowers could not grow. Meanwhile, the nectar a bee sucks up with its tongue is used for making honey. A bee delivers that nectar to the hive. Then it flies right back out to get more.

By planting honey plants we create a new ecosystem that sustainably enriches the diversity of the school garden. We will observe plants and understand the connections and influences of various environmental factors on plants. We will be aware of the importance of climate changes in living and non-living nature, learn about new plants and their life cycles.

In the spring we will grow sunflowers from seeds. Sunflowers are an excellent choice to experience a full cycle of starting something from seed, seeing it grow almost in front of our eyes, and harvesting our own sustainable seeds for planting the following year.



The school sustainable garden is richer for the starflower

The flowers of borage or starflower contain a lot of nectar, so bees and other pollinators like to fly around them. It blooms from May to November. Young leaves and flowers can be used for salads, risottos, soups, spreads, yogurt. For tea leaves or flowers can be used. We can pour them with boiling water and leave standing for a few minutes.

We planted borage in the school garden near the insect hotel. The members of the Erasmus+ club said hello to the school plane tree, measured the thickness of its trunk (it takes three students to hug it), played in nature, and took care of a lost caterpillar.

Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Earth - our planet

Goal: talk about main pollution problems, search for the solution



Ecological virus is spreading

Goal: take part in a republican competition, present speech about Lithuanian ecology, green places and sightseings.



Osnovna šola Anice Černejeve, Makole, Slovenija

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Traditional Slovenian Breakfast

Traditional Slovenian Breakfast – home grown and home prepared food – breakfast and workshops.

The nationwide campaign goes 13 years back when the Slovenian Beekeepers' Association launched a project to encourage schools to serve local honey for breakfast. Over the years, Honey Breakfast project has evolved into Slovenian Food Day promoting locally produced food and the benefits of eating breakfast.

Slovenians know that healthy, locally-produced food is important for living a long and healthy life, and the Traditional Slovenian Breakfast campaign promotes all these benefits for schoolchildren all over the country.

All students from the first to the ninth grade eat locally produced apples, bread, and honey, and they drink fresh milk from the local farm.



One of our 9th grade students wrote about it:

On 20th November all primary school students in Slovenia eat a special breakfast. We eat the traditional Slovenian breakfast. The breakfast contains bread, butter, honey and an apple.

The aim of the project Traditional Slovenian breakfast is to inspire children for eating home-grown food that is also much healthier than the food from faraway places. Its aim is also supporting Slovenian farmers and beekeepers, learning children about the meaning of outdoor activities and maintenance of the environment.

Since 2011 it has been repeated every year and it is always in the end of the third week of November.

I like the project Traditional Slovenian breakfast because the food is always very fresh and good. I think that the aim is really nice, because, in my opinion, the Slovenian food self-supply is too low.

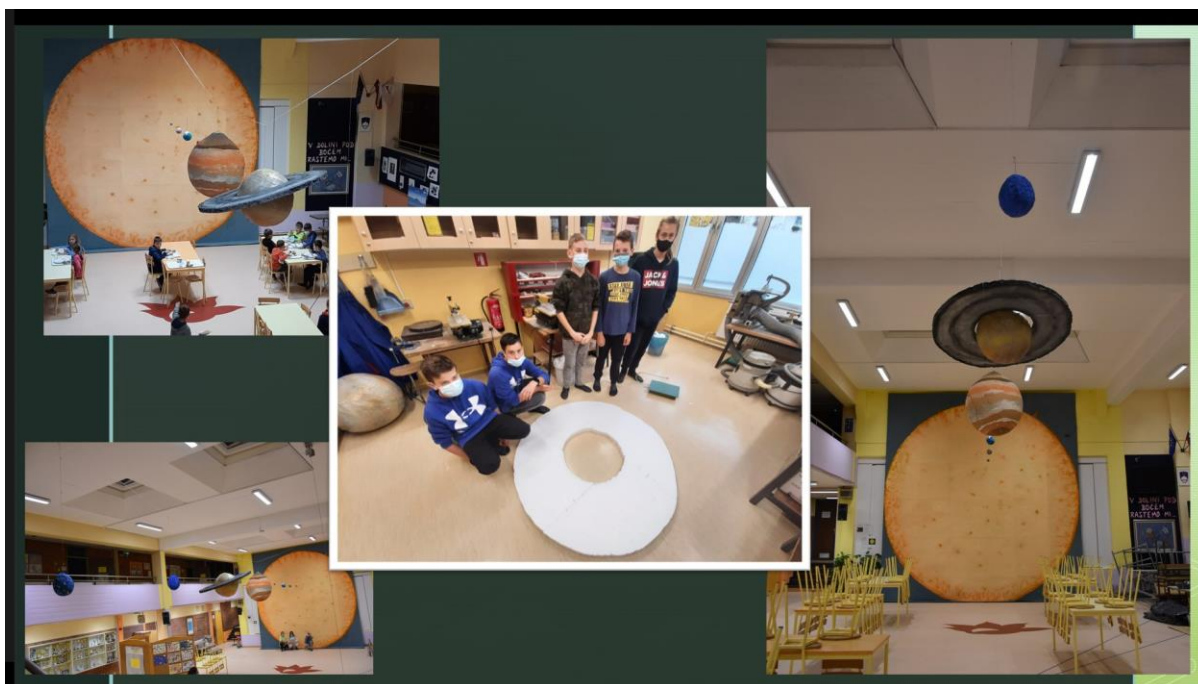
December 2021



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Model of the solar system

In the school hall, you could see a model of the solar system, which was made by the students who are part of the Eco-School, Globe Project, Erasmus +, and POGUM. Students made some research about the Solar System, prepared materials, and with the teachers' and janitor's help started their work. To make it easier to imagine the dimensions of the planets and the sun, we made the sizes of the models in the right proportions. We have reduced them by more than 100 million times. Their mutual distance is symbolic, as they should be much further away from the Sun. At this size, as shown, the Earth should be 1 km away from the Sun and the last planet Neptune 32 km away. We added information about our solar system on the billboards and a Foucault pendulum which is proof that our planet Earth rotates as the pendulum changes its direction during oscillation. Of all the planets, our Earth bursts with life. Earth Day is celebrated on April 22nd.



The planet we live on is unique and unrepeatable, so let's do something good for it every day!

Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Christmas time and books

Goal: learn about sharing, sustainability, not wasting paper.

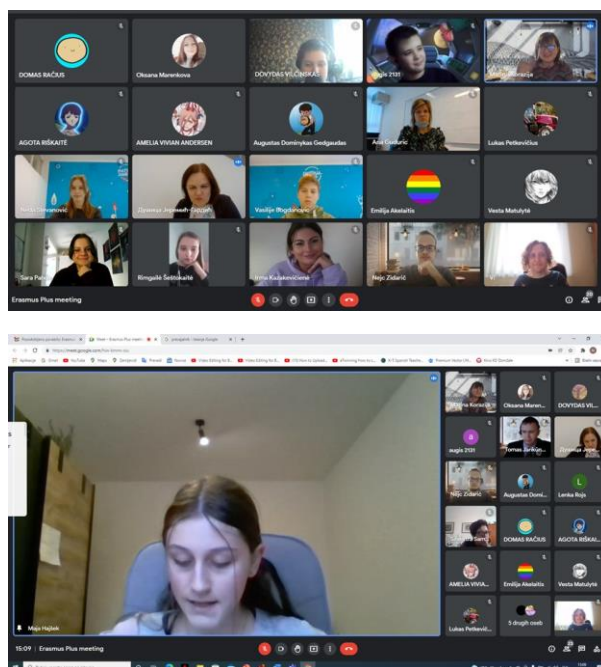


Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Osnovna škola Stari Grad, Užice, Srbija

Osnovna šola Anice Černejeve, Makole, Slovenija

Virtual meeting with students and teachers from four partnering schools exchanging the sustainability topics and other project activities

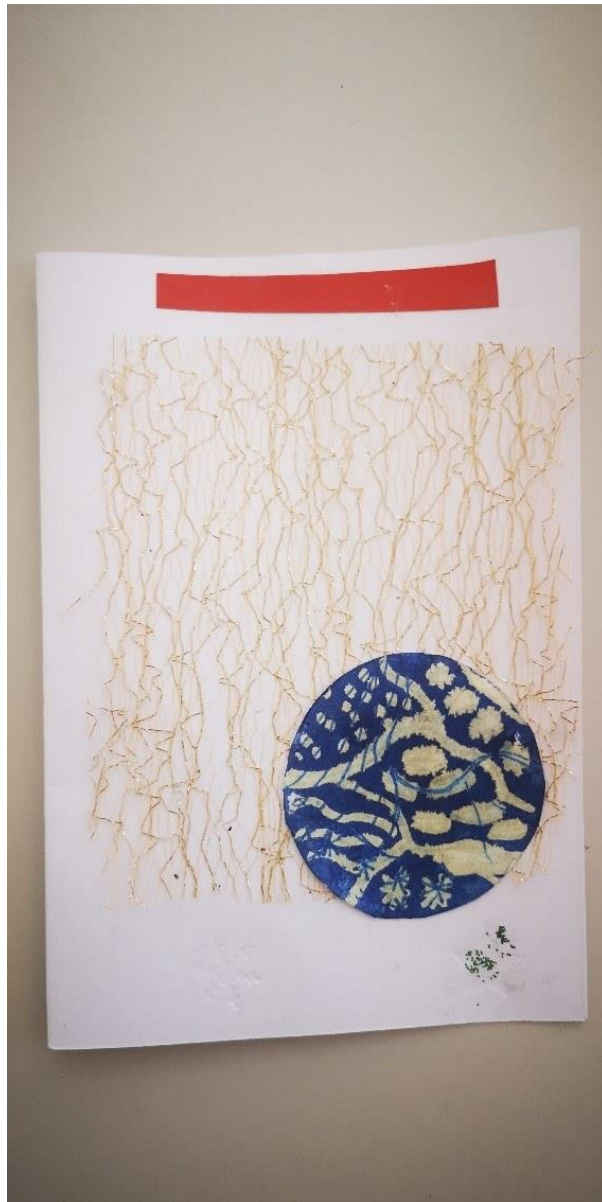


Students and teachers talked about the dissemination of the project, activities that were finished in October and November at each school, and plans for the future. Each school invited one, two, or more students to the event. Students were part of the meeting and they talked about the Erasmus+ activities at schools. Students joined from their homes or their classrooms. English teachers and project coordinators helped students and give them some basic guidelines on how to present topics related to sustainability. Students were highly motivated and their presentations were interesting and full of interesting facts. Being in the project increases learning opportunities, students are confronted with problems, they find themselves in different situations, and they get more experience. Thank you to all students in the Google Meet. You nailed it!

Christmas cards and ornaments

December brings joy and laughter, but one must never forget about nature and act sustainably and green. Students of Osnovna šola Anice Černejeve Makole have created Christmas cards and ornaments for the school from natural and sustainable materials.

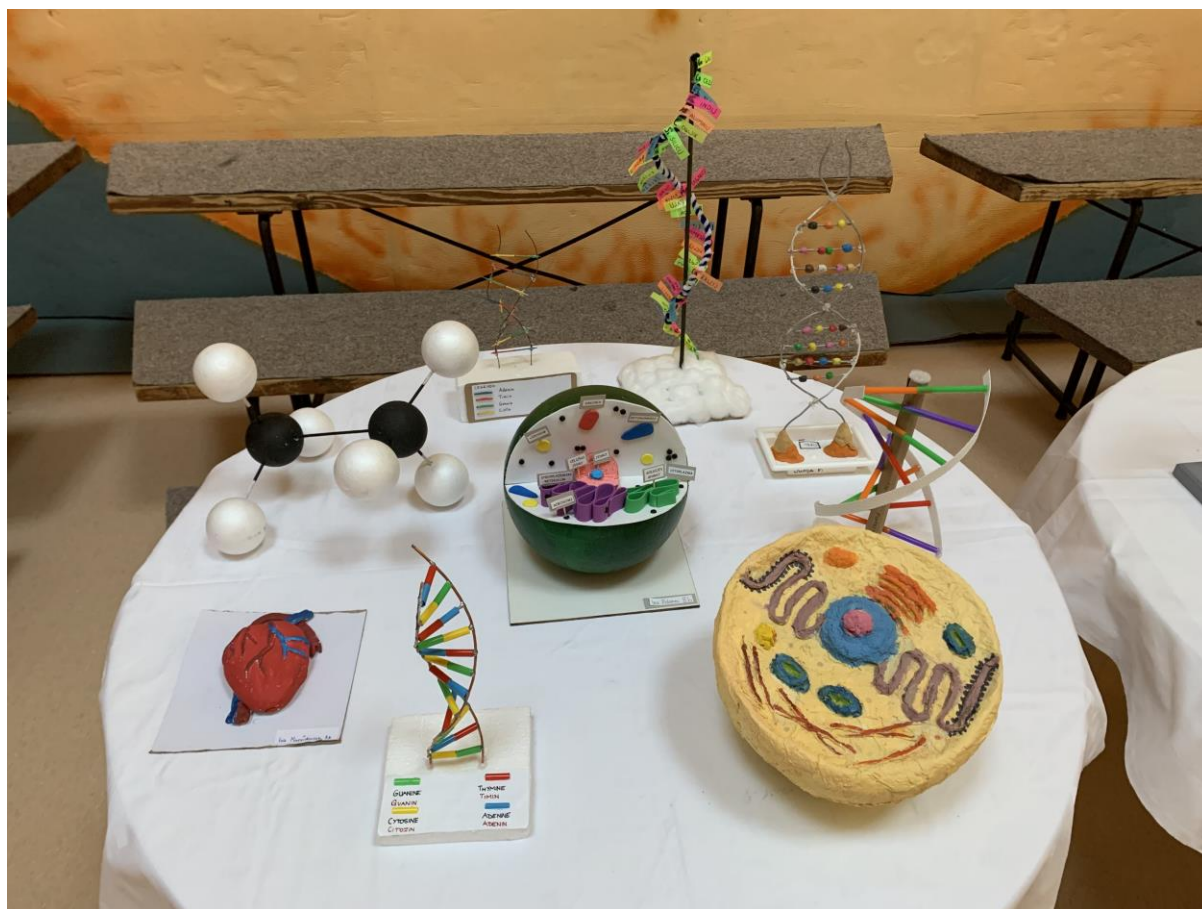




Erasmus+ day at school

Erasmus+ day at school – a quiz, learning Serbian and Lithuanian words, goods and food from partnering countries.

January 2022



Osnovna šola Anice Černejeve, Makole, Slovenija

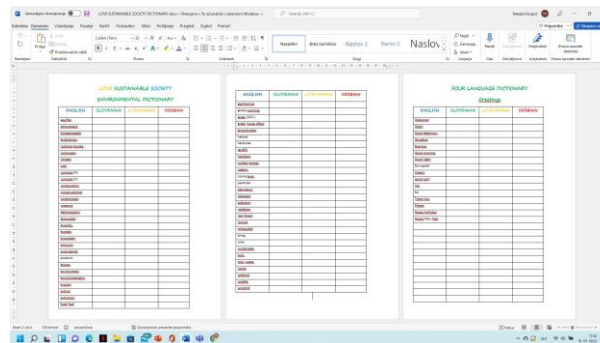
Alphabet

We prepared the alphabet of sustainable development with students from 4th and 5th grade in Slovenian.



The four language dictionary

We have created a four-language dictionary on the topic of sustainability, that partnering countries will add and complete in their languages.



Seed strip and paper

Slowly, spring will come, and our students will be able to plant the seeds we are gathering since the beginning of our project. In the meantime, we are creative, and act sustainable and green to protect nature for the future generation. We have carried out the Seed strip and Seed paper mini projects, shared our ideas, and passed them on to our project partners. We published more on TwinSpace.





Bicycle and Sustainable Mobility mini project

Sustainability, ecology, and mobility are closely connected and will be even more in the future. That is the reason we act toward them and learn about them. 5th-grade students and their class teacher Klementina Mlaker made a brochure made, Bike and Sustainable Mobility. We encourage the students to walk and cycle not only during European Mobility Week but all the time. We published more on TwinSpace.



Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

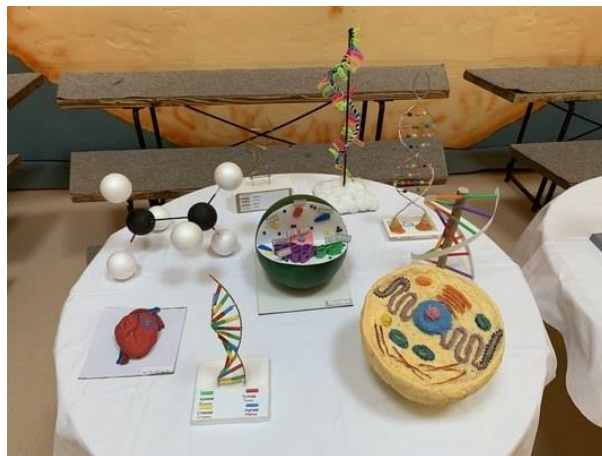
How do we see our planet?

Goal: see the Earth through primary students' eyes.



Osnovna šola Kajetana Koviča, Poljčane, Slovenija

Cell models



February 2022

Osnovna škola Stari Grad, Užice, Srbija

Planting

Today our first-grade students planted two white pine seedlings. During planting, they learned about the importance of protecting the environment and the importance of afforestation.



March 2022

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

We visited Waste Recycling Plant Snaga in Maribor



We visited Botanic Garden of University of Maribor



We love working with wood

Give me a qualitative task, and I will be happy to do it! 8 and 9 class students cooperated on a mini project during the winter holidays. They renovated wooden chairs for the local Mountain Lodge. They did an outstanding job at the initiative and under the expert guidance of the school teacher. 20 chairs were renovated.

They did something good for all of us and are a true example of how we can breathe new life into wooden furniture which looks worn out. The project contributed to sustainability. Students enjoyed working in a team and re-emphasized the fact that wood is a healthy, beautiful, and renewable material.



We take care of the school sycamore



A TRADITIONAL SLOVENIAN WILDFLOWER HAY MEADOW

Students of our school creatively participate in the Erasmus+ project Love sustainable society. The Miyawaki forest grows, the fence protects it, and students water the plants diligently. Recently we have added a traditional Slovenian wildflower meadow. It will enrich our lives, and attract bees and other pollinators.

Orchards, full of fruit and also of birds, traditional meadows, swamps, and amphibians are a few pieces of nature that we need to protect and preserve.

The meadows that grow on the other side of the Brežnica stream and along the Dravinja river are intensive, with very few different sorts of plants and animals.

A few decades ago, wildflower hay meadows grew here. Traditional mowing and forage harvesting predominated. Livestock grazed on such meadows, there were no artificial fertilizers, no drying out.

But such meadows are not profitable enough in modern times. It takes a lot of time to produce hay traditionally. Therefore, unfortunately, they are disappearing from the Slovenian and European space.

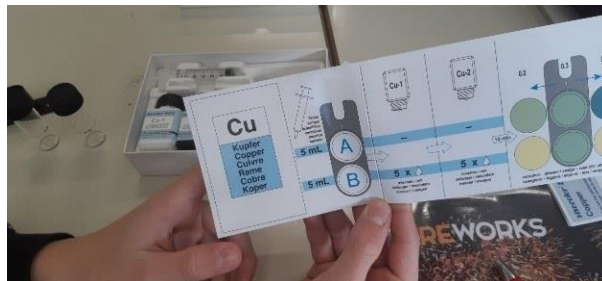
But why are they so important? **They are a natural seed bank. They preserve the diversity of meadow plants, landscapes, and natural heritage. We need traditional meadows to relax and to enjoy looking at the colorful meadow carpet, too.**





Detection of PTEs (potentially toxic elements) and some other pollutants in the river Dravinja and the stream Brežnica in Poljčane

Seventh graders continued with a chemical analysis of local surface waters. The study aimed to determine whether toxic elements such as manganese, copper, nickel, zinc, cadmium, arsenic, lead, iron, and some pollutants (ammonium, nitrate, detergents, and phenols) are present in water. They also measured the pH of the water and determined the color, turbidity, and odor of individual water samples.



Embed:<iframe width="760px" height="500px" src="https://sway.office.com/s/bceX3AfCWNZ6MncU/embed" frameborder="0" marginheight="0" marginwidth="0" max-width="100%" sandbox="allow-forms allow-modals allow-orientation-lock allow-popups allow-same-origin allow-scripts" scrolling="no" style="border: none; max-width: 100%; max-height: 100vh" allowfullscreen mozallowfullscreen msallowfullscreen webkitallowfullscreen></iframe>

PULSATILLA GRANDIS

Anyone who has ever visited Poljčane couldn't have overlooked the flourishing Boč mountain range, rising above the river Dravinja. The mountain dominates the space; gazes near and far are directed at it. Due to the exceptionally preserved natural and cultural heritage, the area surrounding Boč, together with Donačka gora, was declared the Boč-Donačka landscape park. It includes forests, dry and wet meadows, streams, springs, and areas with anthropogenic influences reflected in the cultural landscape and architecture.

Nature least affected by man in the municipality of Poljčane is carefully protected through nature reserves. They are subject to the strictest protection regimes, which ensure their preservation. In the area of Boč, protected within reserves is the forest area just below the top of the mountain and the primeval forest remnant between Boč and Plešivec.

A significant percentage of areas in the municipality of Poljčane are included in Natura 2000 sites – areas extremely important for the conservation of biodiversity at the European level. In our municipality, areas Boč-Haloze-Donačka gora, the Dravinja valley, and Ličenca near Poljčane are considered essential for the conservation of European important species

But Natura 2000 sites alone do not contribute to the preservation of biodiversity. Slovenia has also declared ecologically critical areas, to protect species and habitat types rare or endangered at the Slovenian level. In this, they differ from Natura 2000 sites. Such areas in the municipality of Poljčane are the ones mentioned above and the area of Ljubična-Zgornje Poljčane, where the rare and endangered steppe beauty velikonočnica grows on the dry meadows of Boč.

This delicate steppe plant, growing in an isolated area, is a symbol of Boč and adorns the coat of arms of the Municipality of Poljčane.

Velikonočnica spread from the north to these regions during the Ice Age. After the cold withdrew, smaller populations of this northern European flora, in generally higher altitudes, were preserved.

It is a perennial that grows on calcium-rich soil in dry meadows, rocky outcrops as well as pine and oak forests. It blooms from February to April, during Easter (velika noč), which gave it its name. Its stem is protected from the cold with velvet hairs, so it can also be called 'veliki kosmatinec' (big furry).

It is more common in Eastern Europe but also thrives in Central Europe. It's a rare representative of steppe plants in Slovenia and is increasingly endangered, as it grows mostly in the wider area of Boč and near Šentjurje. As such, it's an endemic species.

The most famous site is on Boč. Unfortunately, it was already exterminated above the hut, as well as on the remaining meadows. It remained only on the hill, where it still thrives today, but in a small population, which is no longer self-sustaining, as there are too few specimens left. A few specimens also remained at the site in Zgornje Poljčane. The well-known population from Boč is a victim of

excessive popularization, charisma, and unfortunately inappropriate ideas and solutions for its protection.

Boč is a mountain in the Boč-Donačka gora landscape park, dominating the landscape between Sotla and Dravinja with its 979 meters above sea level.

At the top is a 20-meter-high steel communication tower, with a television transmitter nearby. Below the top is a mountain lodge you can get to with an asphalt road from Zgornje Poljčane. A road from Studenice leads to the transmitter. From Poljčane it is possible to climb the mountain with the forest educational trail also known as 'Detičkova pot' or along the path across Baba, a limestone lookout pier, offering a beautiful view of Poljčane and the Dravinja valley.

The Boč area consists of various peaks, ridges, slopes, and small plains, without any noteworthy watercourses, as the world is predominantly karst, and the waters sink underground. They come to the surface as karst springs, which are, along with caves, sinkholes, gullies, and cliffs, the karst phenomena classifying the Boč area and its surroundings as isolated karst.

Rocks like limestone and dolomite can be found here and on the sunny side of the mountain, healing mineral water boils, which has led to the development of the Rogaška Slatina health resort.

Sara Pahole, Class 8 b

Vilnius Antakalnis Progymnasium, Vilnius, Lietuva

Osnovna škola Stari Grad, Užice, Srbija

Osnovna šola Anice Černejeve, Makole, Slovenija

Osnovna šola Kajetana Koviča, Poljčane, Slovenija

The final project meeting of the four school teams in Vilnius, Lithuania

Four partner schools realized how cooperation and exchange of good practices are important. We created an international network, participated in online meetings, shared ideas on sustainability, and created many activities which were realized in all four partner schools. New teaching activities were presented. Cooperation between the partner schools never ceased, despite all adversities. Each school worked towards sustainability, and we improved our ways of life on many different levels. Education and international partnerships are very important. Sustainability was a major focus of our activities in Vilnius. New and interesting teaching activities were presented and discussed. The Antakalnis Progymnasium team members organized well-prepared and topic-related activities, in which participated students and teachers. The principal also joined us. During the visit, all team members mostly used public transport, and we stayed in hotels that try to reduce environmental impact.

A Thank you letter to the Lithuanian team

We have spent three days full of different activities with you. We learned the efforts connected with sustainability, met with excellent students and teachers and learned how the school day goes. In the three days, there were many activities professionally prepared and carefully carried out. Thank you

to Oksana, Irma, Rimgaile, Tomas, to all the teachers who kindly invited us to their classrooms, and to the students who were part of well-prepared sustainability-related activities.

I would kindly love to express my gratitude for your hospitality. We all were hugely impressed by the warm and sincere welcome. We were left with no doubt that whoever enters the door of this school leaves it well prepared to follow the dreams and know how to develop ways not to harm the environment, and cause the lowest possible impact on it. We felt each of us belong to a green Europe. Your school is an aspirational place. All of you deserve admiration and respect.

A Thank you letter of the Lithuanian team

The team of Vilnius Antakalnis Progymnasium was pleased to host our dear friends from Serbia and Slovenia for the final meeting of the project. We were proud to show our guests that Lithuania is trying to be a sustainable country. Together we visited waste sorting and recycling companies 'Užstatu sistemas administratorius' and 'Energesmen'. We also used this opportunity to show our guests the beautiful city of Trakai. After all the sightseeing we greeted our friends in Vilnius Antakalnis Progymnasium with Lithuanian folk songs, poems, and a fashion show. We are thrilled that we had a chance to participate in the project and learn from each other. Thank you all for being a great team 😊❤️🌍







June 2022

Vilnius Antakalnis Progymnasium, Vilnius, Lietuva



LOVE SUSTAINABLE SOCIETY FOUR LANGUAGE DICTIONARY

Environmental dictionary

ENGLISH	SLOVENIAN	LITHUANIAN	SERBIAN
aquifer	vodonosnik	vandeningasis sluoksnis	vodonosnik
atmosphere	atmosfera	atmosfera	atmosfera
biodegradable	biološko razgradljiv	skaidomas	biorazgradiv
biodiversity	biotska raznovrstnosti	biologinė įvairovė	biološka raznovrsnost, biodiverzitet
carbon dioxide	ogljikov dioksid	anglies dioksidas	ugljen dioksid
carcinogen	karcinogen	karcinogenas	kancerogen
climate	podnebje	klimatas	klima
coal	premog	anglis	ugalj
compost (N)	kompost	kompostas	kompost
compost (V)	kompostirati	kompostuoti	kompostirati
conservation	ohranjanje	saugojimas	konzervacija
conservationist	naravovarstvenik	saugotojas	konzervator
contaminant	onesnaževalec	teršalas	zagađivač
creature	bitje	būtybė	stvorenje
deforestation	krčenje gozdov	miškų nykimas	seča šuma
disposable	za enkratno uporabo	vienkartiniai	za jednokratnu upotrebu
diversity	raznolikost	įvairovė	raznolikost, raznovrsnost
ecology	ekologija	ekologija	ekologija
ecosystem	ekosistem	ekosistema	ekosistem
emission	emisija, izpust	emisija	emisija, ispuštanje
endangered	ogrožena	nykstantis	ugroženo
endemic species	endemit	vietinis	endemit
energy	energija	energija	energija
environment	okolje	aplinka	okruženje
environmentalist	okoljevarstvenik	aplinkosaugininkas	ekolog

erosion	erozija	erozija	erozija
extinct	izumrl	išnykęs	izumrli
extinction	izumrtje	išnykimas	izumiranje
geothermal	geotermalni	geoterminis	geotermalni
global warming	globalno segrevanje	pasaulinis atšilimas	globalno zagrevanje
green (ADJ.)	zeleno	žalias	zeleno
green house effect	učinak tople grede	šiltnamio efektas	efekat staklene bašte
groundwater	podtalnica	požeminis vanduo	podzemna voda
habitat	habitat	buveinė	stanište
herbicide	herbicid	herbicidas	herbicid
landfill	odlagališče	šiukšlynas	deponija
methane	metan	metanas	metan
nuclear energy	jedrska energija	atominė energija	nuklearna energija
organic	organsko	organiškas	organsko
ozone layer	ozonski plašč	ozono sluoksnis	ozonski omotač
pesticide	pesticid	pesticidai	pesticid
petroleum	nafta	degalai	nafta
pollutant	onesnaževalec	taršus	zagađivač
pollution	onesnaževanje	tarša	zagađenje
radiation	sevanje	radiacija	radijacija
rain forest	deževni gozd	atogrąžų miškai	kišna šuma
recycle	reciklirati	perdirbti	reciklirati
renewable	obnovljivi	atsinaujinantis	obnovljivi
smog	smog	smogas	smog
solar	sončno	saulės	sunčevo
sustainable	trajnostno	tvarus	održivo
toxic	strupeno	toksiškas	otrovno,toksično
toxic waste	strupeni odpadki	toksiškos atliekos	otrovni otpad
waste	odpadki	atliekos	otpad
wetland	mokrišča	pelkė	močvara
wildlife	prostoživeče živali	laukinė gamta	divlje životinje
windmill	mlin na veter	vėjo malūnas	vetrenjača
fossil fuel	fosilno gorivo	iškastinis kuras	fosilno gorivo

Greetings and polite words

ENGLISH	SLOVENIAN	LITHUANIAN	SERBIAN
welcome	dobrodošli	sveiki atvykę!	dobrodošli
hello	zdravo	labas!	zdravo
good afternoon	dober dan	laba diena	dobar dan
goodbye	nasvidenje	viso gero	doviđenja
bye-bye	adijo	ate	doviđenja
good morning	dobro jutro	labas rytas	dobro jutro
good night	lahko noč	labos nakties	laku noć
bon appetite	dober tek	skanaus	prijatno
enjoy your meal	dober tek	į sveikatą	prijatno
cheers	na zdravje	sėkmės	živeli
good luck	vso srečo	taip	srečno
yes	da (ja)	ne	da
no	ne	ačiū	ne
thank you	hvala	prašau	hvala
please	prosim	su gimimo diena	molim
happy birthday	vse najboljše	laimingų naujųjų metų	Srećan rođendan
Happy New Year	srečno novo leto	sveiki atvykę!	Srećna Nova godina
have a nice day	lep dan	labas!	Prijatan dan

Beautiful words

ENGLISH	SLOVENIAN	LITHUANIAN	SERBIAN
home	dom	namai	dom
mother	mama	mama	mama
father	oče	tėtis	tata
brother	brat	brolis	brat
sister	sestra	sesė	sestra
child	otrok	vaikas	dete
house	hiša	namas	kuća
water	voda	vanduo	voda
food	hrana	maistas	hrana
clothes	oblačila	drabužiai	odeća
flowers	rože	gėlės	cveće
forest	gozd	miškas	šuma
sea	morje	jūra	more
sun	sonce	saulė	sunce
air	zrak	oro	vazduh
freedom	svoboda	laisvė	sloboda
joy	veselje	džiaugsmas	radost
happiness	sreča	laimė	sreća
friendship	prijateljstvo	draugystė	prijateljstvo
family	družina	šeima	porodica
love	ljubezen	meilė	ljubav
health	zdravje	sveikata	zdravlje
peace	mir	ramybė	mir