



Erasmus+

Ocean Care reporter

There's a sea and a sea... there's an entire ocean to take care of!

Words from the coordinating school

Our ERASMUS+ KA229 project, entitled "There's sea and sea... there's a whole ocean to take care of!" (ID 2020-1-PT01-KA229-07887), includes the following schools: Moinhos da Arroja School Complex (Odivelas, Portugal); Istituto Comprensivo Statale Nereto Sant'Omero (Nereto, Italy); Narlıdere Sıdıka Akdemir Bilim Sanat Merkezi (Izmir, Turkey); Sakala Eragumnaasium Mittetulundusühing SAKALA ERAGÜMNAASIUM (Tallinn, Estonia); Angel Kanchev Third Secondary School (Varna, Bulgaria). It is part of a broader international movement, which seeks to provide guidance and operationalize strategic actions capable of protecting the oceans. The United Nations Organization (UN), in its 2030 agenda, defined 17 objectives for sustainable development of the planet, among which is the objective 14 "Protect marine life". For the development of this objective, UNESCO's work was also associated with the definition of 7 principles that promote ocean literacy. It is our intention to operationalize the following principles from UNESCO: Principle 2. The Ocean and marine life have a strong action on the Earth dynamics; Principle 5. The Ocean supports an immense diversity of life and ecosystems; Principle 6. The Ocean and humanity are strongly interconnected.



For the teaching of ocean literacy, schools partners must develop activities linked to the curriculum, aligning them with the programmatic content of each subject area.

Due to the pandemic context associated with COVID 19, the planned physical mobilities this year were not possible, but alternative activities were found that allowed, on the one hand, to create group work dynamics among the partners and, on the other hand, to meet part of the objectives outlined for the project.

Throughout the year, in each country, there were different teaching modalities: sometimes schools were in face-to face teaching and sometimes online or hybrid teaching, sometimes the situation was reversed... rarely, all the schools were simultaneously in the same teaching modality! This forced us to be more flexible with regard to the type/nature of activities to be developed and the respective execution period.

To coordinate and communicate with each other, in an agile and constant way, we used Whatsapp and, whenever necessary, email/Google Drive. In terms of institutional communication of the project, the Facebook and Instagram pages were created and fed, as well as our Etwinning page:

Facebook OceanCare: https://www.facebook.com/permalink.php?story_fbid=138542641608692&id=104017651727858

Instagram OceanCare: https://www.instagram.com/p/CNrj4GtMuHK/?utm_source=ig_web_copy_link

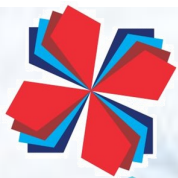
We also point out that, for the coordination of the activities to be carried out, two meetings were held remotely, on 29/10/2020 and 18/02/2021, with a third one already scheduled for mid-June 2021.

This year, the common activities developed sought to contribute to the construction of the project's identity (e.g. LOGO contest) and to raise awareness about the excess of plastic in the oceans (Etwinning project open to non partner schools and creation of a collective e-book). In parallel, and to operationalize the project's strategic lines, each partner school also participated in/driven several activities with their students, such as: workshops/online conferences with experts, online and in-person study visits, artistic workshops promoted by external entities...

As the coordinating school, we are going to request an extension of the project's deadline for another year, so that it ends not in July 2022, but in July 2023, allowing all the planned mobilities to take place, safely and in line with the vaccination plans of each country.

It is the continuous work around ocean literacy that makes sure that future generations do not make the same mistakes as the previous ones, protecting what is our BIGGEST BLUE HOUSE!





Agrupamento de Escolas Moinhos da Arroja

Portugal

The Agrupamento de Escolas Moinhos da Arroja (AEMA) is a public complex of schools, located in the council of Odivelas, a municipality close to Lisbon. It is made up of 4 schools (one kindergarten, two with kindergarten and primary education, and one with lower secondary education), with 99 teachers, 47 non-teaching staff, 2 technicians and 1619 students.

The AEMA receives students from a population belonging to a low and medium cultural and socioeconomic level. Our Complex has already been awarded at the national level with the following prizes (applications from the responsibility of school libraries): "Ilídio Pinho" prize, which distinguishes multidisciplinary and innovative projects in the areas of science and technology; the "Ideas with merit" prize, launched by the School Library Network (SLN), which aims to identify, promote and disseminate good practices in different areas of intervention; prize "Together we can read", launched by the SLN and Reading National Plan to distinguish the creation of inclusive libraries capable of providing reading opportunities for all the students; prize "Reading with the library", launched by the SLN to distinguish articulation projects between the library and pedagogical work in the different areas of knowledge. We also participated in the European project Open Schools for Open Societies (OSOS), which aims to initiate a process of transforming schools into innovative learning ecosystems, acting as multidisciplinary spaces for science learning. Our Complex competed for the "Living Science at School Clubs Network" and its application was approved and granted. The globalizing theme of the complex for the current school year, and the next two years, is "There is sea and sea ... there is an entire ocean to take care of". This work led the complex to apply for the Blue School, which is an educational program of the Ministry of the Sea whose mission is to promote the ocean literacy in Portugal. This national program distinguishes and guides Portuguese schools that work on themes related to the sea, creating a community of ocean literacy that brings schools, the sea sector, municipalities, universities and other entities closer together with an active role in marine education. Last April 14th 2020, we were informed that our application to "Escola Azul" (Blue School) was approved. We are now a Blue School. The school's motivation to join this Erasmus+ project is the need to learn and share good practices with other European teachers about ocean literacy. We want to share our teaching practice and development it beyond borders.

E-book "How Do I Want the Ocean in 2030?"

The United Nations (UN) declared this decade as the Decade of Ocean Science for Sustainable Development (2021-2030), based on goal 14 - Conserve and sustainably use the oceans, seas and marine resources for sustainable development. Due to this fact, the Portuguese Blue School launched, in the school year 2020/21, at national level, a challenge to schools and their students: "How do I want the Ocean in 2030?".

The Moinhos da Arroja School Complex decided to launch/ extend this challenge to the partner schools involved in the Erasmus+ project "There's sea and sea... there's a whole ocean to take care of!", which also enthusiastically embraced this initiative:

Istituto Comprensivo Statale Nereto Sant'Omero, Torano Nuovo (Italian School);

Narlidere Sidika Akdemir Bilim Sanat Merkezi (Turkish School);

Sakala Eragumnaasium Mittetulundusühing SAKALA ERAGÜMNAASIUM (Estonian School);

Angel Kanchev Third Secondary School (Bulgarian School).

The students of the five schools, from pre-school to secondary school, created drawings (manual and digital), models, assemblies to demonstrate, in verbal and iconographic language, their appreciation for the OCEAN.

This e-book, organized by the AEMA School Libraries, is the final product of a vertical and interdisciplinary articulation work in each school which, due to the pandemic context associated to Covid 19, was entirely developed online.

Our e-book *in numbers*:

Portuguese School - 202 students involved (50 pre-school pupils; 59 primary school pupils; 29 second cycle of basic education pupils; 64 lower secondary pupils);

Italian School - 191 students and 12 classes involved (2 pre-school classes; 133 primary school pupils and 6 classes; 58 lower secondary pupils and 4 classes);

Turkish School - 84 students involved (17 primary school pupils; 60 lower secondary pupils; 7 upper secondary pupils);

Estonian School - 24 students involved (8 primary school pupils; 16 lower secondary pupils);

Bulgarian School - 27 students involved (2 primary school pupils; 25 lower secondary pupils).

Overall, 528 students and 12 classes were involved.

Consult the e-book at: <https://read.bookcreator.com/T9yuNE4YfzbsZRiQoUr5dP949R23/9-ov92Q9Shm-ARdQLrIcUg>

Etwinning "Let's audit PLASTIC IN THE SCHOOL!"

About the project

Our school's rallying theme is "There's sea and sea... there's a whole ocean to look after!"

The initiative to operationalize this theme at the cluster level is part of a broader international movement that seeks to guide and operationalize strategic actions capable of protecting the oceans. UNESCO has defined 7 principles that promote ocean literacy. Our intention is to operationalize the following UNESCO principle: "Principle 6. The ocean and humanity are strongly interconnected." One of our guiding questions is "What plastics do we use in our school? How can we replace and/or eliminate it?"

To answer this question, the students, in collaboration with their classmates, will carry out an audit on the presence of plastic in the schools of the school complex.

This activity is based, on the one hand, on a holistic approach to the curriculum and, on the other hand, on a vertical articulation between different educational cycles.

OBJECTIVES

- Promote a set of sustainable actions aimed at the conservation and preservation of the oceans in conjunction with the curriculum of various subjects at different levels/ cycles/ school years;
- Develop ocean literacy, based on sustainability values and the need to protect marine biodiversity by presenting solutions;
- Participate in environmental activism actions, making commitments and involving the community.

EXPECTED RESULTS

Use of Google Earth to insert the results of the various schools involved, on the one hand, to compare the data and, on the other hand, to promote behavioural change with regard to protecting the oceans.

The link to this Google Earth will be published in a Public TwinSpace.

This project is still ongoing. In the next edition of this newspaper, all the results will be published.

For more information, see the project ID 272523 on the Etwinning platform.

Fight against straws!

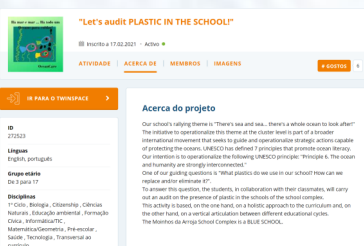
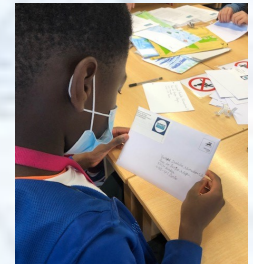
Moinhos da Arroja School Complex celebrated Blue School Day on 19 May with the big challenge - In the name of the ocean!

This challenge involved writing letters to brands/companies with the aim of raising their positive awareness to be more responsible, participatory brands that contribute to the sustainability of the Ocean.

In the context of our school, the selected companies were Lactalis and Lactogal, as they provide individual juice and/or milk packages with associated disposable straws. Sixty-one letters were written, 22 to the Lactalis group and 39 to Lactogal. The letters were written by primary and lower secondary pupils (individually, in small groups or in class context) from Pre-School Dr. João Santos, Primary School Porto Pinheiro and Lower Secondary Moinhos da Arroja. Each letter was accompanied by several drawings alluding to the harmful effects of plastic on marine life, made by students from these two pre-school establishments, for a total of 100 drawings.

All letters sought to encourage these companies to adopt more "friendly" methods for our Ocean.

For this action to have the greatest possible impact and to create a real collective action, all the letters were posted on 19 May. The envelopes were identified on the outside with the #EmNomedoOceano sticker (#IntheNameoftheOcean).



Lectures and Workshops

This school year, at the Moinhos da Arroja School Complex, several lectures and workshops were held:

- Workshop "The Ocean is a big house!" promoted by MARE (Centre for Marine and Environmental Sciences);
- Workshop "Who Framed the Climate?", promoted by MARE;
- Online session "#ourhome", promoted by Lisbon OCEANARIO;

The lectures/ workshops promoted by MARE are part of an educational program that aims to promote increased ocean literacy, through various activities carried out by MARE researchers. These activities are an opportunity for students and their teachers of Natural Sciences and Physics-Chemistry to contact with researchers and with the research carried out at MARE, in an informal way and through playful-pedagogical strategies where various topics on aquatic ecosystems were explored. Content related to the causes and effects of greenhouse gas (GHG) emissions and the climate change underlying these excessive emissions were also covered. At the end, students assessed their ecological footprint to raise awareness of the need to change some of their consumption and travel habits if they are to reverse the devastating effects of these changes. After clarifying their doubts, students were invited to write an argumentative text about the topic, revealing what they had learned and working on the content of Natural Sciences, Physical Chemistry and Portuguese.

In the online activity "#ourhome", promoted by the Lisbon Oceanarium, the classes not only actively participated in the interactive proposals presented by biologist Diogo Geraldès, but also asked several questions regarding the life and subsistence of several marine species. Issues related to the planet's sustainability were also addressed and the students were alerted to certain consumption habits that should be rethought.

The project called "When + 1 is = - 1" aims to raise awareness of the dangers of excessive consumption of plastics and the consequences of their disposal in the oceans. This project raises awareness among the general population about what we can do to minimise the effects of ocean litter, as well as alerting them to the need to recycle and reuse plastic.

These initiatives were aimed at lower secondary school students, with a total of around 100 students involved.

These activities are in line with the guidelines of the National Strategy for the Sea, with the essential principles of the "Knowing the Ocean" project and with the curricular programmes proposed by the Ministry of Education.





Sakala Eragümnaasium (Sakala Private School)

Estonia

Sakala Eragümnaasium (Sakala Private School) was founded 11 years ago and has 4 levels of education (from lower primary to secondary). The school has 260 students, aged 7-19, and 46 qualified teachers. The school curriculum is based on the state program including the “School of tomorrow” programme with CLIL approach to teaching for 1- to 6- year students. The predominant mother tongue of the students is Russian; however, there are also students speaking Estonian, Chinese, Italian, Azerbaijani, etc. The pupils are taught in several languages, i.e. Russian, Estonian, and English. Our staff are highly experienced in organizing various events, e.g.: an Estonian Language Week Student Convention; Intellectual Casino; an annual Honour Roll celebration, where all primary school students have a chance to perform in English. We provide various extracurricular activities, e.g., sports, music, theatrical and robotics clubs. Our school administration is supportive, which inspires the whole school family to participate in different projects within the school, city and republic. We cooperate with an Estonian School from Kuressaare, exchanging students, and setting up a winter camp in Otepää. Participation in Erasmus+ projects are among the priorities of Sakala Private School. Since its foundation, we have coordinated one and participated in two school partnership projects. Thus, we can be a good asset to the international team of “There is Sea and Sea ...” project. It seems to assist in further development of all the four main values of our school: trust, respect, curiosity, and responsibility. We expect the project to help our students to appreciate European values, natural heritage, and cultural diversity. We also hope that the project results in the pupils’ growing interest in such subjects as: Biology, Natural Science, History, IT, Arts, Languages, etc. Being located in the city on the coast of Tallinn bay, we consider awareness of the necessity of the environment protection as one of the educational targets of our institution. Teachers feel responsible for providing our students with the appropriate knowledge and practice related to sustainability of the Baltic Sea. Our students express much interest in topics related to the sea, which was seen in the choice of their research works’ themes in grades 8 and 11. “Plastic-free” and “Balloon-free Sky” projects currently run at our School are focused on the problem of microplastics recycling and implementing environmentally friendly practices within our school community. We find it possible for them to be spread wider through the “There is Sea ...” project.

On November, 2020, 9th and 11th- graders of Sakala School went to the exhibition ‘*Leviathan: the Paljassaare Chapter*’. These were the two initial events within the OceanCare project.

The students took part in a guided tour and were also engaged in a discussion about the effects of human activity on the ocean. The participants exchanged ideas about the possibilities of recycling the waste found at the bottom of the Baltic Sea.

During the tour, our pupils really enjoyed the virtual reality experience of 300 years into the future, where 90% of the planet’s surface has become covered by water.

The exhibition hall was spacious, allowing us to maintain a safe distance, as it was time of COVID restrictions. Hand sanitizers were available in the exhibition hall and virtual reality glasses were disinfected after each user.



AUDIT: PLASTIC AT SCHOOL?

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We understand that the ocean is being filled up with plastic. In order to know what we can do to prevent the pollution, students from grades 6 to 9 did research on how we use plastic on the daily basis.

As a year before the time, we launched the project, we decided to get rid of plastic cups in our school and replace them with personal water bottles, and we felt happy to continue working on this issue. And this was one little step to save the ocean!

Another thing we do to be greener is sorting the garbage. Special containers for recycled litter, including plastic, can be seen all around the school building.

However, it turned out that there is still something to be done to cut down on the presence of plastics in the school space. Some products sold in vending machines are made of disposable plastic.

Creating a logo for a project

Making a Logo is one of the first stages of work on a project which requires a lot of imagination and creativity. To inspire the students, we talked a lot about the concept and history of the Logo.

It was a surprise for them that Logos had been in existence for thousands of years. The earliest logos were nothing more than simple distinctive markings, symbols, or literal brands, that were created to signify the maker of a product or communicate the type of products that a particular merchant was selling.

For example, under the reign of Henry III, in the year 1266, England's Parliament passed legislation requiring that all bakers use a distinctive mark for the bread they sold. Historians widely believe that this was England's first legislative act concerning trademarks. After the students had been introduced to the concept of the Logo, which is a graphic mark, symbol, or stylized name used to identify an organization, product, or campaign, they were told to think of a logo design that will contain the name of the project and hidden messaging to be a visual representation of the campaign.

They were also taught about some art tips that were very important in creating logos such as the use of color which can be a significant element in logo design as it evokes different feelings.

As a result, after the logos of our students had been made and collected, we sent them to the coordinator of the project and organized a virtual display of all the design works to draw attention of other students of our school to the project Ocean care.



Creating posters



One of the aims of the project is to challenge young students to create a poster on the topic "Ocean Care" that will, not only create greater support for ocean science, but help inspire a new generation of people to think more about the environment. This way we can help students discover that ocean science has so much to offer, and we are highlighting the fact that we need to start looking inside our planet and most specially towards the condition of our oceans. We started creating colorful posters showing things that can be caused by unreasonable and irresponsible actions of people. This way we can focus on the things that people can do to protect and preserve the oceans.

The project consisted of several steps:

1. We discussed the meaning of the word „pollution“. Students had to tell some ways pollution can affect oceans.
2. Students were asked to brainstorm things people can do to protect the oceans.

Students had to create a poster with a slogan about one of the reasons why we must protect our oceans.

3. Students sent their posters and the teacher presented them to the virtual class group.



Museum Lesson at Seaplane Harbour

In May, after the situation with Covid-19 started to getting better, the students of Sakala school attended the "museum lesson" at Tallinn Seaplane Harbour.

During the tour of the exhibition "Baltic Sea in the World Ocean," it became clear for them why the Baltic Sea is so special. Accompanied by a guide, pupils got acquainted with five areas of Baltic Sea exploration, saw real research tools, live representatives of alien species, and objects from shipwrecks lying on the seabed. They also learned quite a few exciting things, such as the fact that items are no longer produced from the wrecks to the surface without imperative necessity. During the tour, they heard exciting facts that scientists had discovered while exploring the oceans.





Our School "I.C.S. Nereto- Sant'Omero- Torano Nuovo" Italy

Our School "I.C.S. Nereto- Sant'Omero- Torano Nuovo" is a comprehensive Institute with a staff of about 150 teachers and a number of 1141 students divided into three levels of education: pre-school (age 3-5), primary (age 6-11), lower secondary (age 12-14); it is distributed on the territory of three different municipalities (Nereto, Sant'Omero and Torano Nuovo) in Val Vibrata area. Located in the heart of Abruzzo Region, the Val Vibrata area is well known because of its key position, between the Adriatic Sea and the Appennini Mountain Chain.



Nereto



Sant'Omero



Torano Nuovo

The issues of environmental sustainability have characterized the activities of our comprehensive Institute, which, in line with the programs launched by the European "Erasmus" project, have engaged children and teachers in a global and continuous reflection on the conditions of seas, oceans, environments and natural ecosystems.

Many school activities were conducted in order to promote in students, citizens of tomorrow, an awareness of the fragility of ecosystems and the need to commit themselves to safeguarding the planet and defending natural environment.

Logo Design Competition

The Institute successfully participated in the Logo Competition for the Erasmus + project KA229 "There is sea and sea ... there is an Entire Ocean to take care of", and the logo produced by the students (in which a dolphin, made of plastic waste, jumps over an ocean of flags from the European partner countries) won the competition. "The institute - said the School Head Teacher Laura D'Ambrosio - has always been committed to environmental issues and this award leads us to commit ourselves even more in the future, in order to improve the knowledge and awareness of our students".



Italian Logo



Laura D'Ambrosio School Head Teach-



Students at work

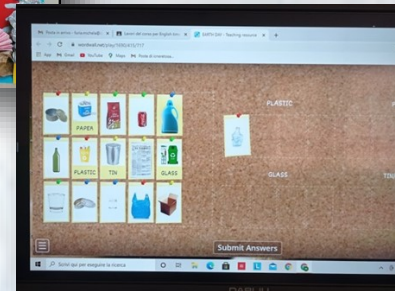
Challenge “How do you want the ocean to be in 2030?”

Ocean health was a crucial topic in the pupils’ study and insights this year and several school activities were dedicated to reflect the importance of the oceans for life on earth, as climate regulators and guardians of biodiversity. All the students, from pre-primary to low secondary level, were also involved in the Challenge “How do you want the ocean to be in 2030?”, making drawings which were published in an e.book together with the participating European partners.



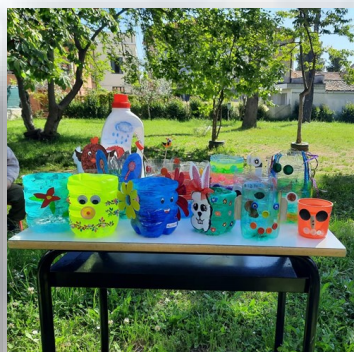
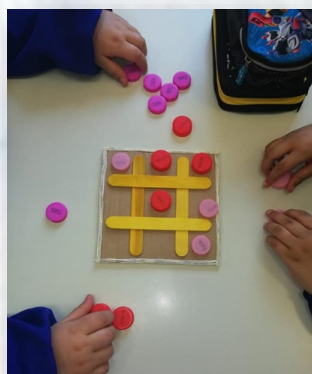
22nd April 2021 Earth Day

The **Earth Day** was celebrated by dedicating readings and watching videos to the most urgent conservation goals, organizing games and treasure hunts based on environmental issues and making an exhibition of drawings in the public square to raise awareness among all citizens.



Questionnaire “Plastic at school”

Students of 10-12 years old carried out an audit on the presence of plastic in the schools of the school complex. At the end of this activity students suggested many different ideas to recycle plastic, giving it a second life.



#plasticfree activity

The Institute participated in the “**Plastic free**” project, devoted to arouse students attention for a conscious use of plastic and the importance of recycling it. Artistic workshops were organized to create small objects with the collected plastics, disseminating awareness of the dangers of plastics when they are abandoned in the environment, and the possibility of the second life that these materials can have. At the same times students were involved in ecological walks to collect plastics in the school surroundings.





ARKAS SCIENCE AND ART CENTER, İZMİR-TURKEY

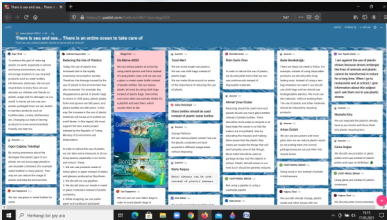
Arkas Science and Art Center is an institution providing training to the gifted students in Izmir-Turkey. Its mission is to provide the supportive education that gifted students need. These students have great potential to become researchers, leaders and steer the future if they are given the necessary training in management, science, arts and sports. Gifted students studying at primary and secondary schools attend classes at the Center at specified hours outside of school hours. In the curriculum, students' creativity, emotionality and social aspects are developed as a whole with the activities applied. The Center, which has 28 teachers and 550 students, has various national and European Union projects. The projects carried out by the Center in the last three years are as follows:

- 2020- Erasmus+ KA226 Innovative Digital Solutions for Teachers in Times of Covid-19
- 2020- Erasmus+ KA229 Digital Storytelling
- 2020- Erasmus+ KA229 There is Sea and Sea... There is an entire ocean to take care of
- 2020- Erasmus+ KA201 Emotions and Robotics : A Study Across Different Cultures, Educational Systems and Populations
- 2019 - TÜBİTAK (The Scientific and Technological Research Council of Turkey) 4007, Narlıdere Science Festival
- 2019 - İZKA İzmir Development Agency, Special Talent Strong Future Project
- 2019 - Erasmus + KA101, Catch The Future, İzmir Provincial Directorate of National Education Consortium
- 2019 - 2nd International Music Touching Hope with Books Project
- 2019 - T.R. Ministry of Youth and Sports, Youth Projects Support Program, Mind Games in My School Project
- 2018-2020 - Science and Art Centers Meetings Project (Artist, Sportsman, Literature and Scientist, Student Meetings)
- 2018 - 1. National Note One Hope, Every Book One Life Project
- 2017-2018 - TÜBİTAK (The Scientific and Technological Research Council of Turkey) 4006, Science Fair

“Logo Competititon” In Arkas Science and Art Center, İzmir-Turkey, thirty one students created logos for the Logo Contest. The logo created by Ogün Çağdaş Tokatlıgil was elected for the European Voting.

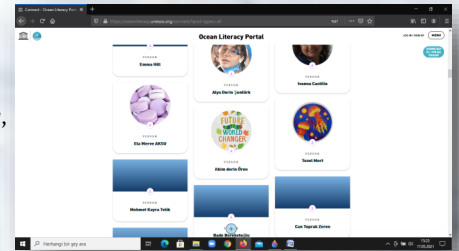
Turkish students' logo creations were collected in an e-book:

https://read.bookcreator.com/NmFzY7snR5Tbhv8feSCC4aCngGV2/2_iLULA1Qku9SB2znFbXzA



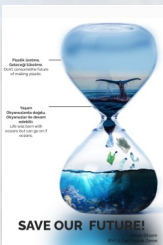
In relation to **“Plastic Free July”**, Ecological Brigades of Arkas Science and Art Center, İzmir-Turkey wrote their ideas on *“How to reduce plastic waste at home and at school?”*.

Through these ideas they are planning to put more sustainable practices throughout the school and also at home.



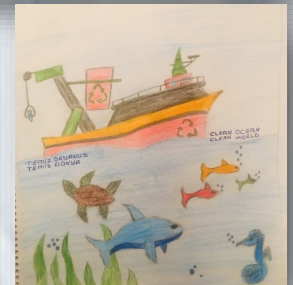
“Ocean Literacy Portal” The Ecological Brigades of Arkas Science and Art Center, İzmir-Turkey and the project teachers registered on the “Ocean Literacy Portal”.

The project teachers also applied for the Training Courses in the Ocean Literacy Portal.

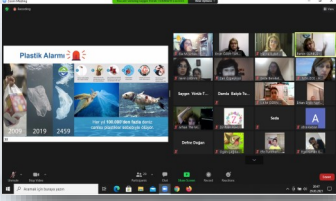


“What can we do to have the Ocean we want by 2030?” The students of Arkas Science and Art Center, İzmir-Turkey accepted this challenge and answered this question with a sentence or slogan (written in English and mother language) + an image (drawings, collages, models, digital...) for that sentence/slogan.

With the contribution of the Biology, Technology and Design, Art and English teachers to the event, eighty six posters from Arkas Science and Art Center, İzmir-Turkey took place in the ebook.



“Online Seminars” In relation to the project, Arkas Science and Art Center, İzmir-Turkey organized online seminars for the students, teachers and parents in cooperation with DenizTemiz Association/TURMEPA-Turkish Marine Environment Protection Association. The first meeting held on March 8th, 2021 was for the primary students; the second meeting held on March 9th, 2021 was for the parents and teachers; the third meeting held on March 29, 2021 was for the secondary students.



The subject of the training program was The Importance of Seas and Water Resources, Marine Creatures and Their Importance, Where Seas are a source of Oxygen, Where seas are used, Marine Pollution, Global Climate Change and Our Seas, Recycling & Upgrade, ZERO WASTE, ZERO WASTE BLUE, Our Individual Responsibilities, and Plastic hazard.

“Ecological Brigades - Meetings” The Ecological Brigades of Arkas Science and Art Center, İzmir-Turkey had meetings on December 26, 2020, February 23, 2021, April 11, 2021 and May 16, 2021



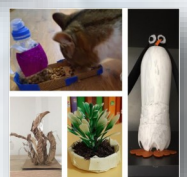
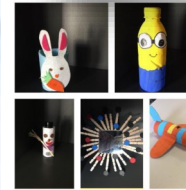
In the meetings, the school coordinator of the project gave information about the works done so far. And students from Ecological Brigades made presentations on:

the environmentally friendly companies in Turkey and environmental activities of these companies; the project that a company carried out with the Istanbul Metropolitan Municipality during the pandemic period and the sea cleaning works carried out by the Izmir Metropolitan Municipality; Plastic Wastes in the Seas and the Great Pacific Garbage Patch; Recycling and Disposal of Metal Wastes, Paper Wastes, Glass Wastes, Plastic Wastes, Electronic Wastes, Medical Wastes, Waste Batteries, Organic Wastes and Non-Recyclable Wastes in our Region; How can we reduce waste at home and school?



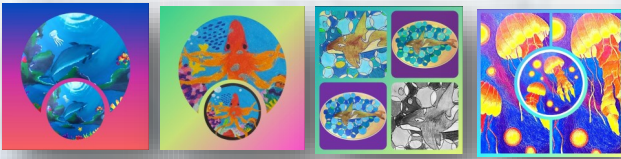
“Questionnaire/Audit - plastic at school” The students of Arkas Science and Art Center, İzmir-Turkey filled in the Questionnaire/Audit - plastic at school through a google form. One hundred and forty (141) students filled in the questionnaire. In accordance with the statistical analysis of the answers given by the google form, a report will be written.

“Plastic Wastes – Technology and Design Lesson” The students of Arkas Science and Art Center, İzmir-Turkey created various objects using plastic wastes in their Technology and Design Lessons. They learned how to transform plastic wastes into beautiful designs with small touches and additions. They made a pet bowl for their cat at home, a waste battery box at school, and a flower pot for the flowers in their room.

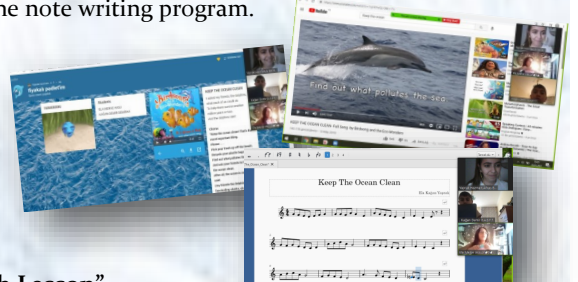


“Paintings – Art Lesson”

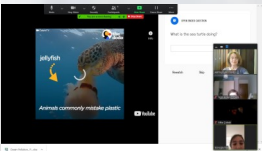
The Art students of Arkas Science and Art Center, İzmir-Turkey made paintings with the theme of creatures in seas and oceans.



“Song – Music Lesson” In order to draw attention to ocean and sea pollution, the Music students of Arkas Science and Art Center, İzmir-Turkey learned the lyrics and composition of the song *‘Keep the ocean clean’* in order to draw attention to the ocean and sea pollution. Then they had a writing activity with the Music Teacher for their own composition in the note writing program.



“Plastic Pollution in the Ocean – English Lesson” The students of Arkas Science and Art Center, İzmir-Turkey watched videos in English about the plastic pollution in seas and oceans as the listening activity. Later, they answered questions about the videos they watched in the speaking activity. Finally, reading and writing activities were done by online quizzes.



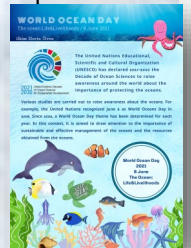
“Essays, poems, news, and stories - Turkish Lesson”

The students of Arkas Science and Art Center, İzmir-Turkey talked about the problems of seas and oceans and the environmentalist organizations working on these problems. They learned that Greenpeace which is an environmentalist non-governmental organization with an international center in Amsterdam, the Netherlands and branches in more than forty countries. They watched the video of Greenpeace Mediterranean explaining the importance of the oceans, their place in our lives, how they are polluted and what should be done to prevent pollution. After that, they wrote essays, poems, news, and stories about the seas and oceans.



Ordu gibi geliyor çöp yığınları
Kirleniyorlar her bir yanını
Yakıyorlar senin güzel canını
Anlamıyorlar verdikleri zararını
Nasıl olur almaz akılları
Utanicaklar gördüklerinde sonuçları
Sen affet nolur onları

“World Oceans Day, June 8 – Ecological Brigades” The Ecological Brigades of Arkas Science and Art Center, İzmir-Turkey made a poster about the World Oceans Day and wrote essays and poems emphasizing the importance of oceans.



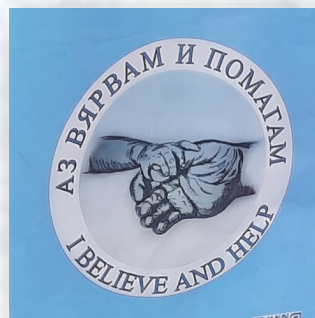
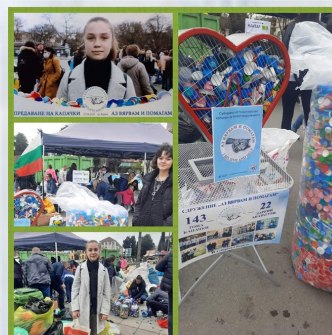


“Angel Kanchev” Third Secondary School, Varna, Bulgaria

“Angel Kanchev” Third Secondary School is a modern school with confirmed traditions in education. It has got an independent and pro-active school policy within the European dimensions. The teachers stimulate the children's willingness, concerning the Foreign Language Training, Computer Technologies and Internet applications. It is the biggest school in our city - there are 1174 students at the age from 6 to 14 in our school who are taught by 95 teachers. Currently 28 students with special educational needs attend our school and they are well integrated in classes from 1st to 7th grade. There are two psychologists, resource teachers and a speech therapist who work with them or help students and teaching staff during the educational process. Our motivation to participate in this project is related to the fact that our city is in a tourist region, it is situated on the Black Sea coast and it is even called “The Sea Capital of Bulgaria”. We feel the need to learn more about our sea and to take a better care of it. At the same time we seek to provide our students with as many educational experiences as possible, to break the routine of everyday life at school. Through our participation in this project we aim to motivate this “digital generation” to begin to appreciate its and other countries’ natural and cultural heritage. Building an environment awareness, protection of one of our most important treasures – water, becoming more environment friendly and protective and at the same time being creative about all that has always been our main aim that’s why we think this project fits us perfectly. Our school has already participated in Comenius and Erasmus + projects which were highly valued. Currently we are having a great partnership in the project The Others and Us – Bridges Between Us. Another Erasmus + project which we started working on this year is “Energy for Europe”.

I believe and help

On 17.04.2021 Angel Kanchev Third Secondary School joined the campaign "I believe and help". This way we not only encourage students to become aware of their "plastic footprint" on the environment, but also to become active citizens who believe in charity. It is a national campaign for which thousands of people collect plastic bottle caps for recycling. The funds are used for purchasing equipment to help premature babies. A quick overview predicts that in this campaign more than 200 tons of plastic caps have been collected. We are glad that we have contributed to this, especially students from our Ecological brigade.



Global Recycling day Students from 6th grade from Angel Kanchev Third Secondary School arranged an exhibition with different objects made from plastic, dedicated to the Global Recycling day - 18th March. As a result of children's imagination, unnecessary plastic bags and plastic bottles have become beautiful candlesticks, pencil cases, bird feeders and many other items. We named the exhibition for the production of various plastic waste products "Plastic Fantasy". This activity was another part of the school strategy “5 Rs - Research – Reduce – Reuse – Recycle – Remove” which aims to raise awareness of the plastic problems.



OUR OCEAN IN 2030 All the students from the partner schools were challenged. Students from Angel Kanchev Third Secondary School were in action too. They had to draw how they see the world's oceans in 2030 - cleaner water, more beautiful beaches, a more diverse sea world or, on the contrary - beaches covered with plastic bottles, seas full of fish and turtles, swallowed plastic bags, disturbed biodiversity?

Students were inspired by watching videos on the topics during their English lessons. With the assistance of Ms. Rumena Pencheva, many of them participated in the challenge and their masterpieces were included in the book made by the Portuguese school.



Ecological brigade and eTwinning According to the terms of our project "There is a sea and a sea... there is an entire ocean to take care of", each school had to form an Ecological brigade. Each school had to choose the criteria but we all agreed on some of the common ones – students should be interested in environmental problems, take the most active part in the various project activities and serve as an example to their peers. You can see the selection criteria for inclusion in the Ecological brigades in the school websites along with the eTwinning platform. All the members from the Ecological brigades are registered on the eTwinning platform too so that they can be informed about different activities carried out in other partner schools. They can also be in contact with peers from the other Ecological brigades, share their points of view on environmental problems but also chat about their everyday life, hobbies and interests.

World Oceans Day, June 8 is World Oceans Day. This is the day for celebrating the role of the oceans in our everyday life and inspiring action to protect the ocean and sustainably use marine resources. Many countries have celebrated this special day since 1992. Students from Bulgarian school made Power point presentations dedicated to it under the motto **SOS** which stands for **Save Our Seas**.



Inspiring calendar



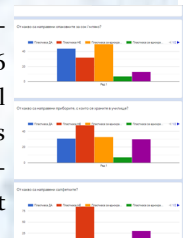
Our project partners were greeted with the coming New Year /2021/ receiving an inspiring calendar. It contained motivational quotes about preserving the purity of water and World ocean. Those quotes included thoughts by oceanographers Sylvia Earl and Jacques-Yves Cousteau, Peter Benchley (author of Jaws),



Project logo The logo competition in Angel Kanchev Third Secondary School started in December. The students were introduced to the requirements and criteria for designing the logo. 40 children from different age groups took part in the competition with the help of their art teachers Rumena Pencheva and Dilyana Ivanova. Dimana Nencheva's logo elected for the European voting. Karina Yarosh's logo was ranked the second one. They both received awards and certificates for their efforts and hard work.

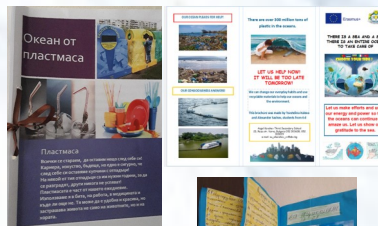


Questionnaire The Portuguese school prepared a questionnaire to be filled in by all partners. The topic was "Plastic at school". We launched it in December as an online survey. 116 teachers and students from different age groups from Angel Kanchev Third Secondary School took part in it. We wrote a report about it and the conclusion in general is that the survey was useful for the students from our school because the questions drew their attention to this environmental problem. We hope that in the future they will be more plastic aware and also about



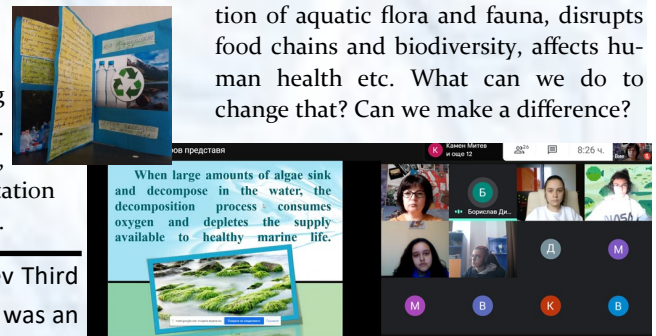
5 Rs - Research - Reduce - Reuse - Recycle - Remove The world is in a period of "pandemic" plastic pollution. This pandemic harms life in the wild and harms humans directly and indirectly. Directly, by negatively affecting their health, and indirectly, by creating an aesthetically and energetically unsustainable living environment. After analysing the questionnaire on plastic use in schools, we have developed a strategy to deal with the problem in our daily lives. We have united our small steps to reduce our environmental footprint under the motto: 5 Rs - Research - Reduce - Reuse - Recycle - Remove.

Brochure and posters Despite the fact that in December and January lessons were conducted entirely in an electronic environment, students participated in the campaign 5 Rs - Research - Reduce - Reuse - Recycle - Remove. They studied the period of decomposition of different types of plastic packaging and made posters and leaflets on the subject.



During English lessons students were introduced to the main water pollutants and the damage they cause. They realised water pollution is usually a result of human activities and it causes destruction of aquatic flora and fauna, disrupts food chains and biodiversity, affects human health etc. What can we do to change that? Can we make a difference?

On 18.02. 2021 The second online meeting of the project "Caring for the world's oceans" was held / the first took place on 28.10. 2020 /. As the planned mobility is currently not possible due to the pandemic, current issues, future activities and issues related to their implementation need to be discussed during online meetings between the coordinators.



Erasmus + Days On 15.10. 2020 Angel Kanchev Third Secondary School took part in Erasmus + Days. It was an activity conducted by the coordinator of another Erasmus + project we take part in - "The others and I - bridges between us". We saw an opportunity to popularise the project "There is a sea and a sea... there is an entire ocean to take care of" among the other partner countries. Students from the Ecological Brigade took part in the initiative. They shared their views on how important it is to reduce the human footprint on nature and protect and value its treasures. Some upcoming activities such as cleaning the coasts were mentioned as well as analyzing the sources of marine pollution, working on projects and participating in STEM lessons.



Knowledge.BG On 02.10.2020, the coordinator of the project "There is a sea and a sea ... there is an entire ocean to take care of", Ivelina Petrova, was invited to the TV studio of BNT 2 /a national TV channel/ together with the coordinator of another Erasmus + project - Ms. Biserka Vassileva. Participation in the TV programme aimed to promote the two Erasmus + projects which were granted this year, their framework, priorities and planned activities. Many questions were asked about how we plan to work in the pandemic environment whether and how we are going to fulfil all the mobilities.