

Green Developers

Code for Nature.
Build the future.

- RAISING ECOLOGICAL AWARENESS
- APPLYING THE 8Rs PRINCIPLES
- INTRODUCING STUDENTS TO SOFTWARE DEVELOPMENT
- ACHIEVING ETWINNING OBJECTIVES



WE ACCEPT
THE
CHALLENGE



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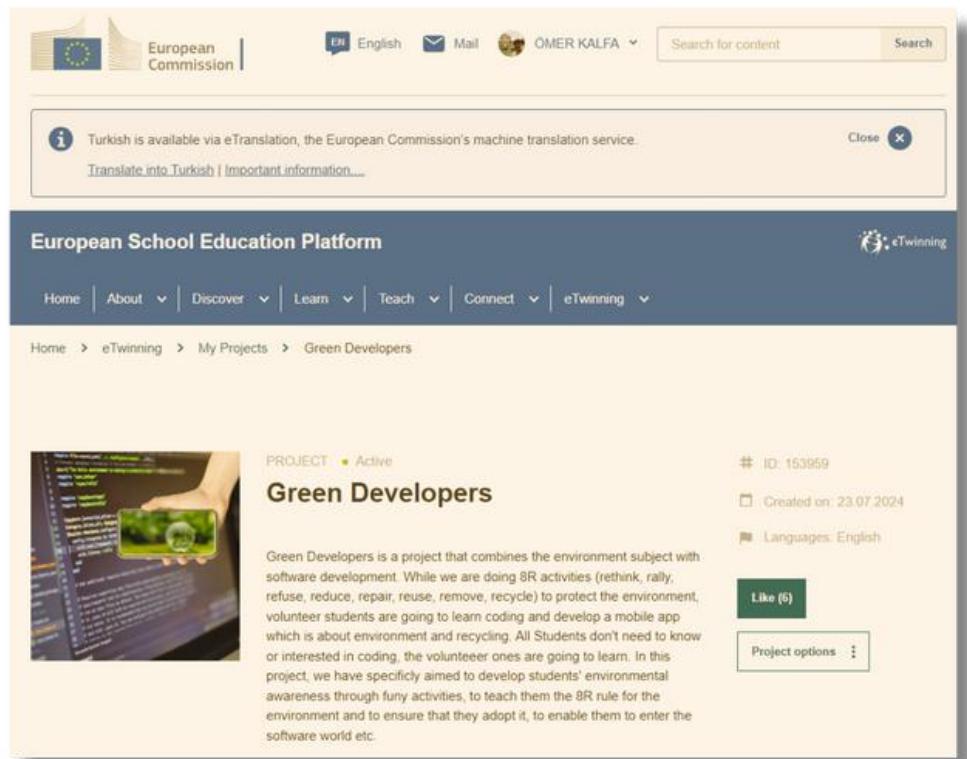
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The screenshot shows the European School Education Platform. At the top, there are links for English, Mail, and a user profile for OMER KALFA. A search bar is also at the top. A message box in the top right corner says "Turkish is available via eTranslation, the European Commission's machine translation service." with a "Close" button. Below the header, the "eTwinning" logo is visible. The main content area shows a project titled "Green Developers" with a thumbnail image of a hand holding a smartphone displaying a green screen. The project is marked as "Active". To the right, there are details: ID: 153959, Created on: 23.07.2024, Languages: English, and a "Like (6)" button. Below these details is a "Project options" button with a dropdown arrow.

Getting started...

This is the magazine that provides an overview of what our eTwinning project 'Green Developers' is about and a summary of the activities we carried out throughout the project. Additionally, each school has presented itself and the activities it conducted during the project across three pages in the magazine. Therefore, this 'Green Developers' magazine, created through the collaborative efforts of the schools, is one of the common products of our project and students from all schools are the authors of this magazine.

We wish you like it...

OUR MEMBERS

All members are listed in alphabetical order.



Teachers

- Andreea Catalina Tudose (cofounder) — Liceul Tehnologic „Lazar Edeleanu”, Romania
- Fatma Erol (member) — Ibrahim Kafesoglu Anatolian High School, Turkey
- Florica Crișan (member) — Colegiul Național “Octavian Goga”, Romania
- Hülya Çataklı (member) — Ereğli Anatolia İmam Hatip High School, Turkey
- Liudmila Gîncu (member) — Liceul Teoretic Gaudeamus, Republic of Moldova
- Mrs. Salome Bokhua (member) — LTD Polygloti, Georgia
- Omer Kalfa (founder) — Tefenni Anatolia Imam Hatip High School, Turkey
- Tetiana Dmytrenko (member) — Cherkasy Physics and Mathematics Lyceum of the Cherkasy City Council in Cherkasy region, Ukraine
- Yolanda Christopoulou (member) — Junior High School of Promachoi, Greece

Students

- **Tefenni Anatolia Imam Hatip High School:** Esra K.; Nurgül K.; İrem T.; Büşra I.; İbrahim Ü.; H. Engin K.; Elif isra Y.; Elif İ.; Duygu G.; Sultan K.; Hasan K.
- **Lazar Edeleanu Technological High School:** Ana P; Stefania B; Ginu M; Tinu S; Marius M; George M; AnaMaria A; Marian C; Eduard M; Alexio P; Cristian C; Alexia S; Daria M.
- **Ibrahim Kafesoglu Anatolian High School:** Ela Nur A.; Rana Nur A.; Özge K.; Aslı A.; Gamze K.; Ekin Ö; Fatma Y.; Ayşe G.; Arda Taha Ş. Emir
- **“Gaudeamus”, High-School, Moldova:** Zlata D.; Ionela O.; Lucian L.; Anastasia A.; Delia S.; Daniele C.; Nicolae C.; Maria A.; Nichita F.; Ştefan H.
- **Colegiul Național “Octavian Goga” Marghita:** Flaviu L.; Norbert K.; Dragoş F.; Rareş G.; Răzvan B.; Arabela S.; Erik A.; Denis Z.; Iosua S.; Raissa C.; Rareş C.; Alex C.
- **LTD school “Polygloti”:** Buta B; David D; Nini G; Nutsa S; Nini A; SophieT; Nita U; Keso T.
- **Ereğli Anatolian Imam Hatip High School:** Furkan K; Ümit N; Ufuk Ç; Yusuf Islam; Ali Osman; Mikail
- **Cherkasy Physics and Mathematics Lyceum (PHYMLY), Ukraine:** Kyrylo P.; DanyloS.; Ivan S.; Mariia P.; Lena K.; Sasha D.; Sasha L.; Siusanna S.; Polina O.; Karim H.; Nikita D.; Mykyta K.
- **Junior High School of Promachoi, Greece:** Eleutheria M, Nikos D, Xrisi M, Anastasia L, Ioanna M, Anna T, Maria, Dimitra P, Giorgios S.



We created our posters and logos chose the best ones with democratic participation.



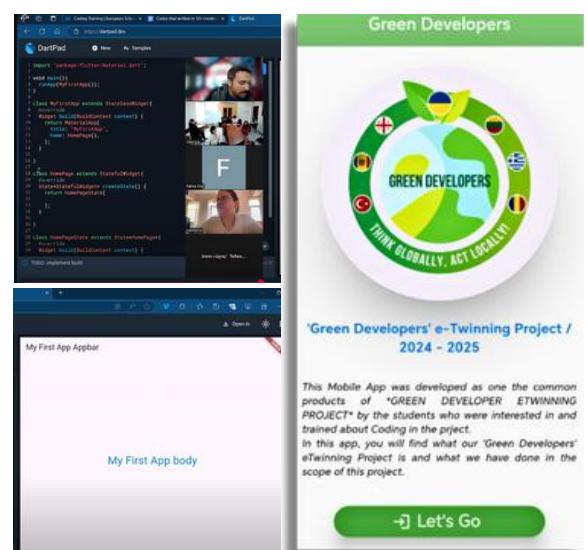
We act to protect the nature with 8R Activities

What did we do in the scope of our project?

- We attended 11 online meetings and 8 of them attended with students. However some of them was done twice as one for at school hours and one for after school. So total count is much more than 11. It is 16.
- Students answered 4 surveys in this project: Pre-test, the best logo survey, the best poster survey and the final test.
- We created and used our avatar pictures.
- We celebrated Safer Internet Day 2025. Prepared panos on our schools, shared texts, images, websites and played digital games about eSafety on our twinsapce.
- Students learned basic subjects about software and coding in online meetings.
- We act to protect the nature with 8R Activities.
- We produced 3 common products of our project alltogether: "Green Developers Storybook", "Green Developers e-Magazine", "Green Developers Mobile App".
- Each school coded a different part of whole codes of our Mobile App and it has published on Google Play Store.
- Each school write 2 pages of our whole Storybook and eMagazine.
- We selected our best logo and poster by competitions between schools.



We wrote a storybook and a magazine in common.



Students learned coding and developed our mobile "Green Developers" mobile app

Turkish is available via eTranslation, the European Commission's machine translation service.

Translate into Turkish | Important information...

European School Education Platform

Home | About | Discover | Learn | Teach | Connect | eTwinning

Home > eTwinning > My Projects > Green Developers

PROJECT • Active

Green Developers

Green Developers is a project that combines the environment subject with software development. While we are doing 8R activities (rethink, rally, refuse, reduce, repair, reuse, remove, recycle) to protect the environment, volunteer students are going to learn coding and develop a mobile app which is about environment and recycling. All Students don't need to know or interested in coding, the volunteer ones are going to learn. In this project, we have specifically aimed to develop students' environmental awareness through funy activities, to teach them the 8R rule for the environment and to ensure that they adopt it, to enable them to enter the software world etc.

ID: 153959

Created on: 23.07.2024

Languages: English

Like (6)

Project options



Scan/Click for our
twinspace page



Scan/Click for our main page on ESEP

What is "Green Developers" eTwinning Project?

"Green Developers" is a project that combines the environment subject with software development. While we are doing 8R activities (rethink, rally, refuse, reduce, repair, reuse, remove, recycle) to protect the environment, volunteer students learned coding and developed a mobile app which is about environment and recycling. All Students don't need to know or interested in coding, the volunteer ones are going to learn. In this project, we have specifically aimed to develop students' environmental awareness through funy activities, to teach them the 8R rules for the environment and to ensure that they adopt it, to enable them to enter the software world etc. 9 teachers and about 90 students from 6 countries took part in our project.

During the project, we held 11 different online meetings and 8 of them were done with students. 5 meetings were done twice as one for at schools hours and one for not. So we attended 16 meetings in total. In these online meetings, we didnt only talked about what we had done since last meeting, we also did coding trainings to the students who interested in coding and software development.

In conclusion, we succesfully completed our project by achieving the goals we expected.



Scan/Click for our trailer video



Scan/Click for our instagram
account

We attended 11 online meetings. 8 of them attended with students.



Scan/Click for Mixed 8R Gallery Video



Scan/Click for Mixed 8R Gallery Album



Scan/Click for the page on twinspace

What is "8R Activities" to protect the nature?

"8R Activities" is the main work of our "Green Developers" project. The word 8R comes from the 8 activities below that start with letter "R" to protect the nature from pollution: "RETHINK, RALLY, REFUSE, REDUCE, REPAIR, REUSE, REMOVE, RECYCLE".

All steps are written in reducing order by their importance and effectiveness. ReThinking is the most important just like everything and this is normal but maybe the surprising one is, Recycling is the least effective activity that protects the nature despite it's popularity. In our project, we have taught to the students during the project how they must act truly to protect the nature.

For 8R activities, each school formed teams of at least 2 students for each event. For these steps, teams worked however they want in their schools and locations. For example, they removed waste from the nature For Remove Activity, they repaired or reformed their old/broken stuffs For Repair Activity. For Recycle, they grouped waste according to it's materials such as glass, plastic, paper, metal and nonrecyclable and cleaned recyclable ones up. All works have been filmed or photographed and shared in social medias, related padlets of our project. At last, we created a mixed gallery of all works done by the schools.



Scan/Click for Rethink, Rally, Refuse, Reduce Padlet



Scan/Click for REPAIR Padlet



Scan/Click for REUSE Padlet



Scan/Click for REMOVE Padlet



Scan/Click for RECYCLE Padlet

Green Developers

Ömer Kalfa

5+
Downloads
PEGI 3

Install



About this app

"Green Developers" is a beginner level android mobile app that was developed by the students who are involve in Green Developers eTwinning project. In this app, there are subjects about protecting the nature, informations about our project, our partners and what we have done during the project. 9 schools coded it in common, 9 parts for 9 schools. After all parts belongs to schools completed and sent, combined by Ömer Kalfa and the final version was...

Updated on
Apr 19, 2025

Education



App support

More by Ömer Kalfa



Green Developers

About this app

"Green Developers" is a beginner level android mobile app that was developed by the students involve in Green Developers eTwinning project. In this app, there are subjects about protecting the nature, informations about our project, our partners and what we have done during the project. 9 schools coded it in common, 9 parts for 9 schools. After all parts belongs to schools completed and sent, combined by Ömer Kalfa and the final version was created and published on Google Play.

Developers of "Green Developers" eTwinning Mobile App:

- İbrahim Ü., Hıdır Engin K., Hasan K.
- Marian, Cristian, George
- Arda S.
- Eleuteria, M., Nikos D.
- Nicolai C., Lucian L.
- Arabela S., Erik A.
- Buta B., Data Khv.
- Mikail
- Danilo S., Sasha L., Sasha D.

After they had trained for 4 months in 8 online meetings, they involved developing this mobile

Version
1.5.0

Updated on
Apr 19, 2025



Click/Scan to install



Click/Scan for our
Mobile App Page

Our common mobile app "Green Developers" is on Google Play Store now.

What is "Green Developers" Android Mobile App?

"Green Developers" is a beginner level android mobile app that was developed by the students who are involve in Green Developers eTwinning project. In this app, there are subjects about protecting the nature, informations about our project, our partners and what we have done during the project.

9 schools coded it in common. 9 parts for 9 schools. After all parts belongs to schools completed and sent, combined by Ömer Kalfa and the final version was created and published on Google Play Store.

WHOLE CODES OF "GREEN DEVELOPERS" ANDROID MOBILE APP

```
1) Whole code of the app has been divided into 18 parts. 9 Parts were written by different school students in the project.
2) The parts written by different schools have combined to obtain the general version of the codes of the application. Each part and school are shown with different colors.
3) The names of the schools that wrote the codes are indicated on the lines just above them.
4) Each school wrote their own schools' pages' and one extra page's codes. All other pages' codes, black colored ones, were written by Ömer Kalfa who is the founder and coding trainer of the project.
5) At the end, all codes combined by Ömer Kalfa in one part. "Green Developers" android mobile /app built in this way.
6) If you have a suitable IDE like Android Studio for Flutter SDK, you can try these codes. Just copy and paste them to your IDE, delete the lines starting with "import..." if it warns as //errors and click RUN.
```

```
import 'package:flutter/material.dart';
import 'package:greendevelopers/firstPage.dart';
import 'package:change_app_package_name/change_app_package_name.dart';
void main() runApp(GreenDevelopers());
class GreenDevelopers extends StatelessWidget{
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: "Green Developers Mobile App",
      home: FirstPage(),
    );
  }
}
```

Different schools coded different parts of whole codes of the app. This is shown with different colors in our twinspace.

```
***** TEFENNİ ANATOLİA İAM HATİP HIGH SCHOOL PAGE *****
//These blue colored codes, belong to Tefenni Anatolia Imam Hatip High School's Page and //Rethink, Rally, Refuse, Reduce Activities Page, were written by the coder students of //Tefenni Anatolia Imam Hatip High School.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class TefennianatoliaImamHatipPage extends StatefulWidget{
  @override
  State<TefennianatoliaImamHatipPage> createState() {
    return TefennianatoliaImamHatipPageState();
  }
}

***** İBRAHİM KAFESOĞLU ANATOLİA HIGH SCHOOL PAGE *****
//These purple colored codes, belong to İbrahim Kafesoglu Anatolia High School' school //Page and Reuse Activities Page, were written by the coder students of İbrahim Kafesoglu //Anatolia High School.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class IbrahimKafesogluAnatoliaPage extends StatefulWidget{
  @override
  State<IbrahimKafesogluAnatoliaPage> createState() {
    return IbrahimKafesogluAnatoliaPageState();
  }
}

***** LİCEÜL TEKNOLOGİK LAZAR EDELEANU PAGE *****
//These red colored codes, belong to Liceul Technologic Lazar Edelenmu's Page and //Repair Activities Page, were written by the coder students of Liceul Technologic Lazar //Edelenau.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class LazarEdelenauPage extends StatefulWidget{
  @override
  State<LazarEdelenauPage> createState() {
    return LazarEdelenauPageState();
  }
}

***** LİCEÜL TEORETİK GAUDEAMUS PAGE *****
//These brown colored codes, belong to Liceul Teoretic Gaudeamus's school Page and Remove //Activities Page, were written by the coder students of Liceul Teoretic Gaudeamus.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class LiceulTeoreticGaudeamusPage extends StatefulWidget{
  @override
  State<LiceulTeoreticGaudeamusPage> createState() {
    return LiceulTeoreticGaudeamusPageState();
  }
}

***** COLLEGIUL NAȚIONAL OCTAVIAN GOGA PAGE *****
//These green colored codes, belong to Collegiul National Octavian Goga' school Page and //Recycle Activities Page, were written by the coder students of Collegiul National //Octavian Goga.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class CollegiulNationalOctavianGogaPage extends StatefulWidget{
  @override
  State<CollegiulNationalOctavianGogaPage> createState() {
    return CollegiulNationalOctavianGogaPageState();
  }
}

***** LTD POLYGLOTTİ PAGE *****
//These orange colored codes, belong to Ltd Polyglotti's school Page and Our Mobile App's //Page, were written by the coder students of Ltd Polyglotti.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class LTPolyglottiPage extends StatefulWidget{
  @override
  State<LTPolyglottiPage> createState() {
    return LTPolyglottiPageState();
  }
}

***** EREĞLİ ANATOLİA İAM HATİP HIGH SCHOOL PAGE *****
//These light blue colored codes, belong to Ereğli Anatolia Imam Hatip High School's //school Page and Our Storybook Page, were written by the coder students of Ereğli //Anatolia Imam Hatip High School.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class EregliAnatoliaImamHatipPage extends StatefulWidget{
  @override
  State<EregliAnatoliaImamHatipPage> createState() {
    return EregliAnatoliaImamHatipPageState();
  }
}

***** (PHMLY) CHERKASY PHYSICS AND MATHEMATICS LYCEUM OF CHERKASY PAGE *****
//These dark red colored codes, belong to (Phmly) Cherkasy Physics and Mathematics //Lyceum of Cherkasy's school Page and Our Magazine Page, were written by the coder //students of (Phmly) Cherkasy Physics and Mathematics Lyceum of Cherkasy.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class PHMLYPage extends StatefulWidget{
  @override
  State<PHMLYPage> createState() {
    return PHMLYPageState();
  }
}

***** JUNIOR HIGH SCHOOL OF PROMACHOI PAGE *****
//These pink colored codes, belong to Junior High School of Promachoi's school Page and //Our Common Products Page, were written by the coder students of Junior High School of //Promachoi.
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
class JuniorHighSchoolPromachoiPage extends StatefulWidget{
  @override
  State<JuniorHighSchoolPromachoiPage> createState() {
    return JuniorHighSchoolPromachoiPageState();
  }
}
```



Click/Scan for all
codes of the app



Click/Scan for Mobile App Padlet

What is "Green Developers" Storybook?

"Green Developers" is a storybook that written by all schools in the project. In this storybook, each school wrote a 2-page long story but did not finish it. the next school continued it's story by writing their own story, also 2 pages long. Schools were completely free to decide how to continue their part of the story where the previous school had left off. In this way, 9 schools created this storybook as common product by writing a story piece by piece together.



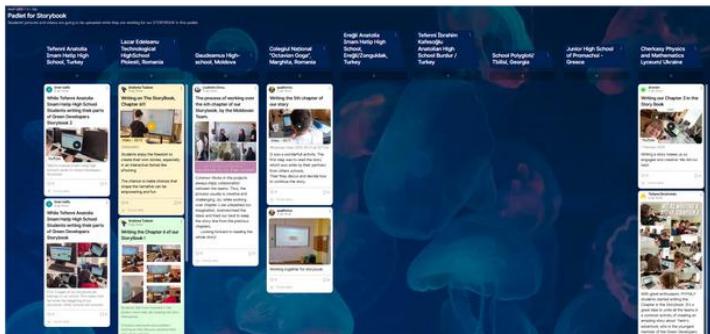
Click/Scan for Storybook Page



Click/Scan for Storybook Padlet



Click/Scan for our Storybook



School "Polygloti", Georgia
As long as Perin and volunteers acknowledged that the story of the river Velmora was over and the only thing was left to monitor it time by time through the water purifying system, they started to change the perspectives and set their goals towards the soil and its contamination.
In the year 2147, Earth was no longer powered by fossil fuels. The world ran on "Enerium" Cells' ultra dense batteries capable of powering entire cities. These

Junior High school of Promachoi, Greece

As weeks pass, the River Guardian Initiative transforms into a full-fledged movement, drawing attention beyond Velmora. Environmental scientists and activists from neighboring cities arrive, eager to learn from the Green Developers' success. Inspired by the initiative, a local entrepreneur donates funds to expand the Amaia Purifier's 5000' reach, allowing multiple devices to be deployed.

Ereğli Anatolian Imam Hatip High School, Turkiye

The Green Developers set their sights on the riverbanks of Velmora. Though progress has been made, the waters remain tainted with industrial waste. Perin gathers the team for a strategy meeting, sketching out a bold new plan.

Lazăr Edeleanu Technological HighSchool, Ploiești, Romania

TELA MURAT
After weeks of hard work, the results in Danubia are undeniable. The river is cleaner, people are more aware, and local leaders are taking responsibility for long term environmental improvements. Perin and the Green Developers celebrate their success, but they know their mission isn't over.

One evening, as they wrap up a community event, Perin receives another envelope. The team gathers.

Collegiu Național Octavian Goga, Marghita, Romania

Green Developers and their volunteers did great job in Minna. All are very happy to see the project results at this meeting. Perin is selfconfident that her projects do a better world. She starts her speech "I am so glad to see you all. Our work results are wonderful! Congratulations! This envelope will send us in another mission. Let's discover it!"

Gaudeamus High School, Moldova

"Mitina!"

Perin announced, holding up the envelope for everyone to see.

Physics and Mathematics Lyceum, Cherkasy, Ukraine

As Perin held up the envelope with "Hagolan" written on it, the room grew silent for a moment. Then, the board members exchanged excited glances. Expanding their efforts to another country was a significant step for the Green Developers, and Hagolan, with its environmental challenges, seemed to be the perfect starting point.

İbrahim Kafesoğlu Anatolian High School, Türkiye

Before Perin came to the board meeting that day, she couldn't sleep all night because of excitement. She woke up early in the morning and got ready. She set out for the meeting. She was impatient to talk about the projects she wanted to accomplish this year and the surprise for that day.

Tefenni Anatolia Imam Hatip High School, Türkiye

Who would have thought that a project started by a small group in 2024 would grow so much in 10 years to become the largest organization solving the problem of environmental pollution. This organization, which initially numbered less than 100 people, is now an environmental movement with hundreds of thousands of volunteers all over the world and growing every



Our Storybook

What is "Green Developers" eMagazine?



Click/Scan for Magazine Padlet



Click/Scan for Magazine Page

This is the magazine that provides an overview of what our eTwinning project 'Green Developers' is about and a summary of the activities we carried out throughout the project. Additionally, each school has presented itself and the activities it conducted during the project across three pages in the magazine. Therefore, this 'Green Developers' magazine, created through the collaborative efforts of the schools, is one of the common products of our project and students from all schools are the authors of this magazine.

OUR LOGO AND POSTER COMPETITIONS

We set these competitions in different times of the project. Logo Competition was held on December and "Poster Competition was held on February. Both of them were necessary to develop students' creativity, using technological ability, racing in a fair fight with following rules and their democratic awareness.



All logos and the result graphic



Our Winner Poster



All Posters and the result graphic



Our Winner Logo

How did the competitions' processes work?

Teachers established rules and criteria for two competitions (logo and poster). Students were allowed to use various tools for creating their designs, such as Canva, Paint, or drawing by hand. However, "Text-to-Image AI Tools" were forbidden for the Logo Competition but permitted for the Poster Competition, as creating posters required more effort. Students voted only for designs from other schools, while votes for their own submissions were excluded. Schools chose their entries through internal surveys or direct submission. Ultimately, 9 logos and posters competed, with students and teachers voting for the best entries while excluding their own creations.



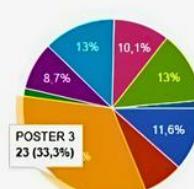
Click/Scan for Logo Page



Click/Scan for Poster Page



Click/Scan for Logo Padlet



POSTER 1

POSTER 2

POSTER 3

POSTER 4

POSTER 5

POSTER 6

POSTER 7

POSTER 8

▲ 1/2 ▼



Click/Scan for Poster Padlet



TEFENNI ANATOLIA IMAM HATIP HIGH SCHOOL

Who are we?



Our school, with a history of 50 years, has aimed to nurture individuals who embrace national and moral values, are patriotic, adhere to Atatürk's principles and reforms, develop themselves in a multifaceted manner, respect human rights, and adapt to advancements. In line with these objectives, our school possesses all necessary resources, a qualified staff, and continues to provide education and organize activities. Nationally, our school has achieved numerous distinctions and successes in academic, cultural, and sports fields, while also participating in international projects.



**Click/Scan for our
website**



TEFENNIA NADOLUIMAM HATIPLISES Click/Scan



Click/Scan

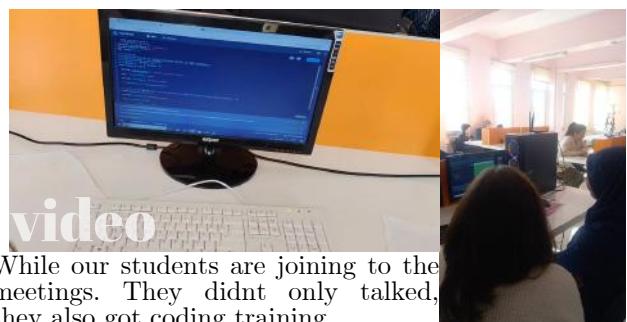
What have we done during the project?

We completed ALL THE TASKS we should do in the project.

1. Creating Avatars



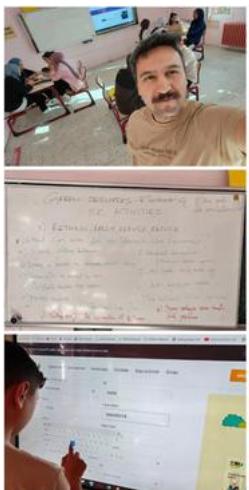
2. Our Online Meetings



While our students are joining to the meetings. They didnt only talked, they also got coding training.

TEFENNI ANATOLIA İMAM HATİP HIGH SCHOOL

3. Our 8R Activities



video

Rethink, Rally, Refuse, Reduce Activities



Reuse Activities



Remove Activities



Our Logo and Poster that we sent to the competitions



Separating waste: Non-recyclable paper, metal, plastic, glass

4. Our Logo, Poster Works



Our Logo and Poster that we sent to the competitions



5. Our other activities

In addition to all these activities, we also completed our **eSafety and Safer Day**, **11 online meetings**, **Pretest and final test**, **Codeweek**, ...

activities that you can find the medias on related padlets on twinspace.

To see what we have done for our mobile app



Common Products by Tefenni Anatolia Imam Hatip High School

1. Our Work on Our Mobile App

These blue colored codes that belong to Tefenni Anatolia Imam Hatip High School Page and Rethink, Rally, Refuse, Reduce Activities Page in whole codes were written by the coder students of this school.

```
***** TEFENNI ANATOLIA IMAM HATIP HIGH SCHOOL PAGE *****
//These blue colored codes, belong to Tefenni Anatolia Imam Hatip High School's Page and
//Rethink, Rally, Refuse, Reduce Activities Page, were written by the coder students of
//Tefenni Anatolia Imam Hatip High School.

import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';

class TefenniAnatoliaImamHatipPage extends StatefulWidget {
  @override
  State<StatefulWidget> createState() {
    return TefenniAnatoliaImamHatipPageState();
  }
}

class TefenniAnatoliaImamHatipPageState extends State<TefenniAnatoliaImamHatipPage> {
  List <String> students = ["Esra K.", "Nurgül K.", "İrem T.", "Büşra I.", "İlif İsa Y.", "Elif İ.", "Duygu G.", "Sultan K.", "Hasan K."];
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.white,
      appBar: AppBar(
        title: const Center(
          child: Text("Tefenni Anatolia Imam Hatip High Schools", style: TextStyle(fontWeight: FontWeight.w600),),
        ),
        backgroundColor: Colors.green[300],
      ),
      body: Column(
        children: [
          Container(
            padding: EdgeInsets.all(10),
            child: Text("video"),
          ),
          Container(
            padding: EdgeInsets.all(10),
            child: Text("video"),
          ),
        ],
      ),
    );
  }
}

***** RETHINK, RALLY, REFUSE, REDUCE ACTIVITIES PAGE *****
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';

class RecycleActivityPage extends StatefulWidget {
  @override
  State<StatefulWidget> createState() {
    return RecycleActivityPageState();
  }
}

class RecycleActivityPageState extends State<RecycleActivityPage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Center(
          child: Text("Recycle Activity", style: TextStyle(fontSize: 25,)),
        ),
      ),
      body: Column(
        children: [
          Container(
            padding: EdgeInsets.all(10),
            child: Text("video"),
          ),
          Container(
            padding: EdgeInsets.all(10),
            child: Text("video"),
          ),
        ],
      ),
    );
  }
}
```



2. Our Work on Our Storybook

We wrote first 2 pages of our storybook.

Tefenni Anatolia Imam Hatip High School, Türkiye

Who would have thought that a project started by a small group in 2024 would grow so much in 10 years to become the largest organization solving the problem of environmental pollution. This organization, which initially numbered less than 100 people, is now an environmental movement with hundreds of thousands of volunteers all over the world and growing every year. The world is a much better place today and everybody knows that they owe this to the "Green Developers" movement.

When the board of directors met in December 2033, as they do every December, to review the year's activities and go over the activities planned for the following year one last time, Perin had a surprise for them.



Perin who is the youngest member of the board of Green Developers organization, had reluctantly joined to the Green Developers project in 2024 at the insistence of a friend and over the time became one of the most active members of the organization, working her way up to the board.



While our students writing our part of the storybook

Tefenni Anatolia Imam Ha...

Teacher
Ömer Kalfa - FOUNDER OF THE PROJECT

Students

1. Esra K.	2. Nurgül K.
3. İrem T.	4. Büşra I.
5. İbrahim Ü.	6. H.Engin K.
7. İlif İsa Y.	8. Elif İ.
9. Duygu G.	10. Sultan K.
11. Hasan K.	

[School Website](#)



Rethink, Rally, Refuse, Re...

Rethink Activity
This is the first and the most important step of these 8 activities. Because firstly, we have to think and be aware. If this step becomes really successful, we can take actions more effectively.

Rally Activity

This step means that we have to be active about protecting the environment. We have the responsibility for our environment in all ways. Not just in specific ways. For eg: we can sign in civil foundations in our schools, cities or join to the projects like our Green Developers project, etc. Or we can be volunteer to take actions such as planting, removing wastes or even teach what we know about protecting the environment to communities.

Refuse Activity

We have to refuse all sorts, tools or materials that damage to the nature such as plastic or single-use items. Even these tools make our lives easier most of them are produced by materials that can not be recycled. For eg: just about 20% of all plastic materials can be recycled. Or single-use glasses or milk bottles can not be recycled too. And people don't know this.

Reduce Activity

Even we can not refuse all of dangerous materials for nature, we can reduce using them and we have to do that. We can use multi-use stuffs for our works. For eg. We can use cloth bags instead of single-use plastic bags in market.

What did we do for these 4 activities?

As we didn't need specific actions for these 4 steps, we did the activities together and all students in the project took part. In this part, Videos were recorded, dramas were done, pictures were taken, stories were written, stands were opened in schools, and billboards or panels created etc. You can see what we did for these activities by tapping our activity Padlet.

These Codes run these pages



video

3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.



LAZAR EDELEANU TECHNOLOGICAL HIGH SCHOOL

Founded in 1904, the "Lazăr Edeleanu" Technological High School in Ploiești Municipality is a landmark in Prahova's educational landscape, having long been the only institution training specialists in the field of petrochemistry.

Its current prestige is built on national and international achievements, in line with the renown of Lazăr Edeleanu — the inventor of benzedrine — whose name the school has borne since 2000. The school boasts an extensive campus of over 6 hectares, which includes the main building with 27 classrooms, a library with over 50,000 volumes, computer and modern language laboratories; a laboratory building for industrial chemistry (renovated between 2018 and today to meet current standards), biology, physics, and petroleum labs; a workshop building for electrotechnics, electromechanics, and mechanics.



Click/Scan to go to our website



Click/Scan



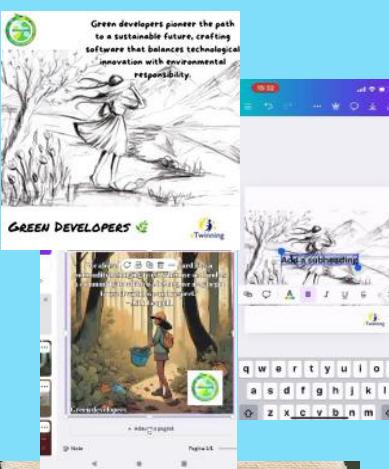
Click/Scan



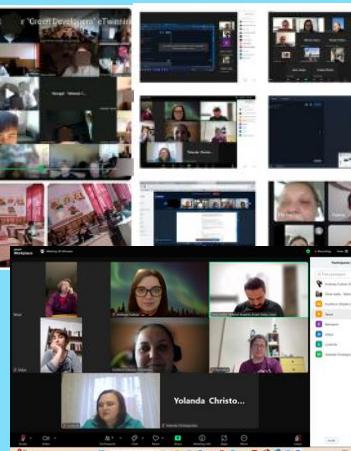
What have we done during the project?

Creating LOGOS and POSTERS

Our logo and poster that we sent to our competition



The European Day of Languages



Erasmus Days



LAZAR EDELEANU TECHNOLOGICAL HIGH SCHOOL

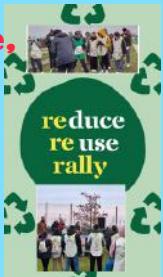
Our 8R Activities

The students carried out various activities focused on the 8R principles of environmental protection: Rethink, Refuse, Reduce, Reuse, Repair, Regift, Recover, and Recycle.

REPAIR Activities



Rethink, Rally, Refuse, Reduce Activities



REMOVE Activities



REUSE Activities



RECYCLE Activities



Codeweek Activities



9may eTwinning Day



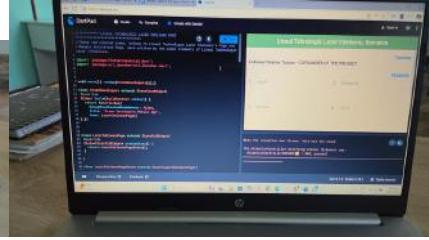
Safer Internet Day

Common Products by Lazar Edeleanu Technological High School

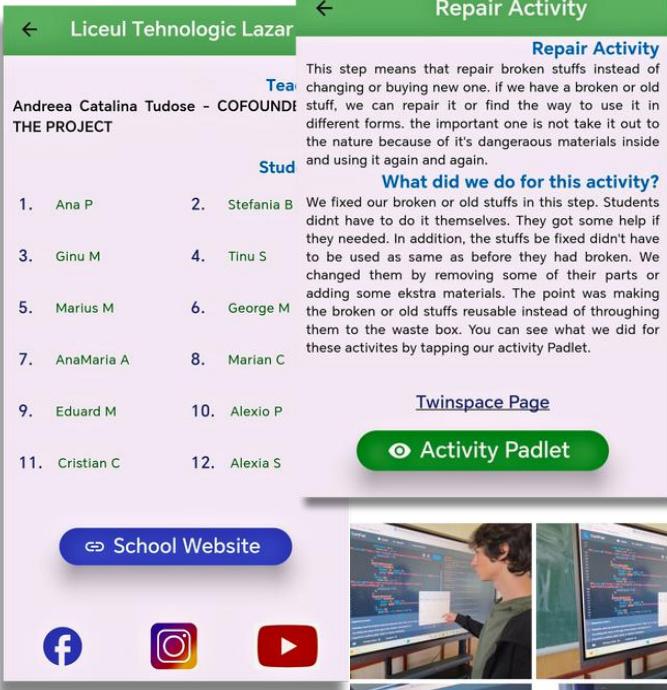
1. Our Work on Our Mobile App

These red colored codes, belong to Liceul Technologic Lazar Edeluanu's school Page and Repair Activities Page, were written by the coder students of Liceul Technologic Lazar Edeluanu.

```
***** LICEUL TECHNOLOGIC LAZAR EDELEANU PAGE *****  
//These red colored codes, belong to Liceul Technologic Lazar Edeluanu's Page and  
//Repair Activities Page, were written by the coder students of Liceul Technologic Lazar  
//Edeluanu.
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class LazarEdeleanuPage extends StatefulWidget{  
  @override  
  State<LazarEdeleanuPage> createState() {  
    return LazarEdeleanuPageState();  
  }  
}  
  
class LazarEdeleanuPageState extends State<LazarEdeleanuPage>{  
  
  List <String> students = ["Ana P", "Stefania B", "Ginu M", "Tinu S", "Marius M", "George M", "AnaMaria  
A", "Marian C", "Eduard M", "Alexio P", "Cristian C", "Alexia S", "Daria M."];  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: const Center(  
          child: Text("Liceul Tehnologic Lazar Edeleanu, Romania", style: TextStyle(fontSize: 25,  
          color: Colors.white),  
        ),  
      ),  
      body:  
        
```

```
***** REPAIR ACTIVITIES PAGE *****
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class RepairActivityPage extends StatefulWidget{  
  @override  
  State<RepairActivityPage> createState() {  
    return RepairActivityPageState();  
  }  
}  
  
class RepairActivityPageState extends State<RepairActivityPage>{  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: const Center(  
          child: Text("Repair Activity", style: TextStyle(fontSize: 25,  
          color: Colors.white),  
        ),  
      ),  
      body:  
        
```

2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.

Lazar Edeleanu Technological HighSchool, Ploiesti, Romania

"VELMORA"

After weeks of hard work, the results in Danubia are undeniable. The river is cleaner, people are more aware, and local leaders are taking responsibility for long-term environmental improvements. Perin and the Green Developers celebrate their success, but they know their mission isn't over.

One evening, as they wrap up a community event, Perin receives another envelope. The team gathers around as she opens it.

"Our next mission is in **Velmora**," she announces.

A murmur spreads through the group. Velmora, a historic city known for its industrial past, has long struggled with pollution. Once a hub for oil refining and heavy industry, it now faces air and soil contamination, illegal waste dumping, and water pollution. While modern regulations have helped, environmental damage from the past still lingers.

"We'll need a strong plan," Perin says. "Velmora has a deep connection to its industrial roots, but we must show people that a clean future is possible."

A week later, the team arrives in Velmora. The sight of towering factories, some abandoned and others still operational, reminds them of the challenges ahead. They visit local communities and quickly realize the biggest issue: people feel powerless against pollution. Many believe that change is out of their hands.



Perin knows that the first step is empowerment. The Green Developers organize events to educate people about recycling, sustainable energy, and pollution reduction. They work with local schools, where students eagerly join cleanup activities.

Then, they introduce the Waste Collector 3001. This time, they modify it to tackle oil-contaminated plastics. The machine processes waste found near old refineries, transforming it into reusable materials. The demonstration amazes the locals.

Day by day, excitement grows. Local businesses pledge to reduce waste, and young activists emerge as community leaders. As the Green Developers prepare for their next mission, Perin smiles—Velmora is on its way to a greener future.

Their journey continues.

While our students writing our part of the storybook

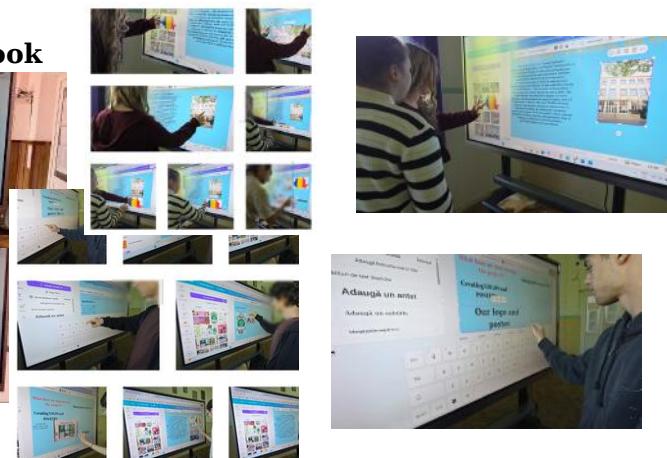


15

*Tap/Click/Scan over to watch the videos.

3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.



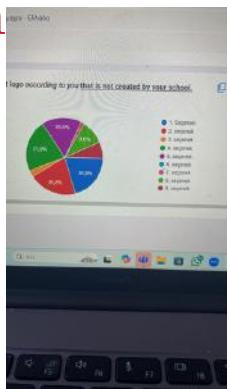
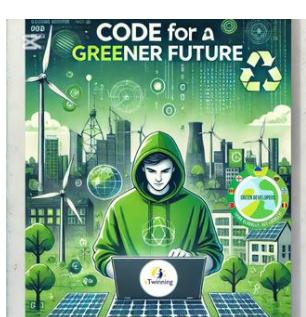
IBRAHIM KAFESOGLU ANATOLIAN HIGH SCHOOL

Our school is located in Tefenni district of Burdur province in Türkiye. In our school, students are between the ages of 15 and 18.. Our curriculum includes mathematics, history, biology, chemistry, physics, literature, philosophy, physical education etc. Also our students join many competitions in sport and literature fields. We participate social and cultural activities every year. Our school aims to be a school that is aware of science and technology, open to change and development, accepts learning as a basic need, is tolerant, knows at least one foreign language very well, questions itself, and raises effective and qualified young people.



What have we done during project?

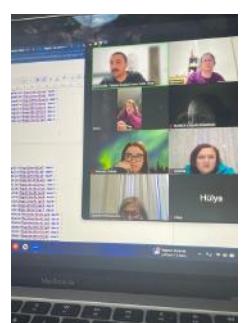
Our working on Logo and Poster Competition



ESafety Day Activities



Our Online Meetings



IBRAHIM KAFESOGLU ANATOLIAN HIGH SCHOOL

This project allowed our students to be more sensitive to the environment and environmental problems. In addition, a mobile application was developed for students interested in software.

Also, this project provided the opportunity to work with teachers and students from different European countries.

Our project includes 8R activities. These are: Rally, Rethink, Refuse, Reduce, Repair, Reuse, Remove and Recycle Activities.



In Rally and Rethink Activities. My students discussed how to save our environment and what can we do for this? They think and tell their ideas about the harmful things for environment, how can we recycle items, how can we reduce the use of electricity, water, fuel etc...

Reduce and Refuse activities, we tried to take attention to minimize energy consumption. My students warn the other students about turning off the lights and taps when they don't use.



Repair Activity: İbrahim Kafesoğlu Anatolian High School "Green Developers" students made reusable bags by using old materials and accessories. They also choose their clothes and put them



Reuse Activity: My students paint flowers in the used yoghurt and tomato paste containers instead of flower pots. Also, my students choose their reusable clothes and give them.

In our Remove Recycle activity, My students clean and remove garbage in our school garden I made a presentation about recycle and give information to my students what kind of items can be recycled. Then my students shared their ideas before we started our activity.



Common Products by Ibrahim Kafesoglu Anatolian High School

1. Our Work on Our Mobile App

These purple colored codes, belong to Ibrahim Kafesoglu Anatolia High School' school Page and Reuse Activities Page, were written by the coder students of Ibrahim Kafesoglu Anatolia High School.

***** IBRAHIM KAFESOGLU ANATOLIA HIGH SCHOOL PAGE *****
//These purple colored codes, belong to Ibrahim Kafesoglu Anatolia High School' school
//Page and Reuse Activities Page, were written by the coder students of Ibrahim Kafesoglu
//Anatolia High School.

```
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';

class RepairActivityPage extends StatefulWidget{
  @override
  State<RepairActivityPage> createState() {
    return RepairActivityPageState();
  }
}
class RepairActivityPageState extends State<RepairActivityPage>{
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Center(
          child: Text("Repair Activity", style: TextStyle(fontSize: 25,
          color: Colors.white, fontWeight: FontWeight.w600),),
        ),
        backgroundColor: Colors.green[300],
      ),
      body: Scrollbar(
        thumbVisibility: true, thickness: 10,
      ),
    );
  }
}
```

Anatolia High School' school
students of Ibrahim Kafesoglu

← Ibrahim Kafesoglu Anaoto...

Teacher
Fatma Erol - MEMBER OF THE PROJECT

Students

1. Ela Nur A.	2. Rana Nur A.
3. Özge K.	4. Aslı A.
5. Gamze K.	6. Ekin Ö
7. Fatma Y.	8. Ayşe G.
9. Arda Taha \$.	10. Emir

Reuse Activity

Reuse Activity

This step is result of the step before. if we repair or cycle our old stuffs, we can reuse them.

What did we do for this activity?

This step was the result of the step Repair. We showed how we use over and over and over a stuff that is still working. This was not the point we want. The point was using repaired stuffs or the stuffs we were about throughing it away or handmade recycled stuffs.

[Twinspace Page](#)

Activity Padlet

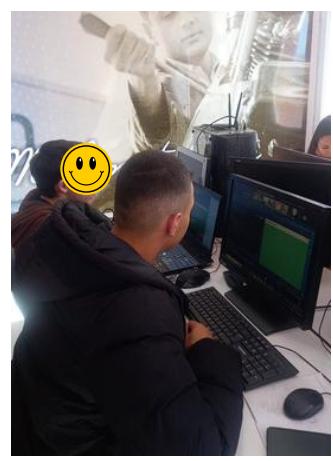
z

2. Our Work on Our Storybook While Students writing codes

We wrote these 2 pages of our storybook.



Perin said, "I have a surprise for you this year," taking out 8 envelopes from her bag and explaining. "The names of the participating countries were written inside the envelopes. This year, we will not only organize environmental activities and projects for our own country. "We will also carry out the project for the country in the envelope we chose," she said. Then she drew the first envelope and showed it to all the participants. The country written on the envelope was Hagolan. She also said that she would explain the project in the next meeting.



3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.

“GAUDEAMUS”, HIGH-SCHOOL, MOLDOVA



A group of enthusiastic students from Moldova together with their English teacher Liudmila Gîncu, decided to participate in the project "Green Developers".



Institutia Publică
Liceul Teoretic
„Gauđeamus”



“
We are all different, having different passions, talents, opinions and life ambitions but still there are aspects that unite us making us work like a real team!
”



The things that unite us are interesting opportunities for development, meeting interesting people and of course getting new knowledge and experiences. These are exactly the pivotal things that will help us to become worthy citizens of our country!

Without doubt we got interested in the topic of the project and its objectives as it is actual. We are quite aware that we must do everything possible to save our Planet!

Let's have a successful collaboration!





"GAUDEAMUS" HIGH-SCHOOL

REPUBLIC OF MOLDOVA

“
EVERY PROJECT IS AN
OPPORTUNITY TO LEARN, TO
FIGURE OUT PROBLEMS AND
CHALLENGES, TO INVENT AND
REINVENT.”

DAVID ROCKWELL



Being an active member of eTwinning community, our team got a chance to become a member of the project "Green Developers". The possibility to participate in different tasks and activities boosted our responsibility for protecting our environment and improved our software skills.

Having participated in 8Rs activities that include rethink, reuse, reduce, repair, rally, recycle and recover helped us to get aware about minimising waste, conserving natural resources, give a second life to old things. Together we created videos, posters, presentations and other activities that made us to foster deeper connection with our planet Earth.



"Green Developers" Mobile App has a challenging, interesting, actual and of course useful activity!



Ömer Kalfa, the Coding trainer of our project was guiding students in the basic software development mobile app

Moreover successful collaboration can't be without online meetings that helped us to exchange ideas and meet new friends. During online coding lessons we discovered and improved our coding skills.



We can't but agree that working as a team made us to unleash our creativity. Our collaboration was efficient working over the project logo, completing the story book, writing the e-magazine and of course creating the project poster which eventually was chosen to represent the project.



ALL IN ALL, LOOKING BACK AT THE "GREEN DEVELOPERS" PROJECT OUR TEAM FEELS GENUINELY PROUD OF WHAT WE'VE ACQUIRED AND ACCOMPLISHED! THROUGHOUT THIS JOURNEY, WE LEARNT ABOUT THE POWER OF SMALL STEPS AND ACTIONS, USER SUSTAINABLE AWARENESS AND HOW TECHNOLOGY CAN INFLUENCE OUR EVERYDAY HABITS. THANKS A LOT TO EVERYONE WHO OFFERED US THIS OPPORTUNITY!

*Tap/Click/Scan over to watch the videos.



Common Products by "Gaudeamus", High-School, Moldova

1. Our Work on Our Mobile App

These brown colored codes, belong to Liceul Teoretic Gaudeamus's school Page and Remove Activities Page, were written by the coder students of Liceul Teoretic Gaudeamus.

```
***** LICEUL TEORETIC GAUDEAMUS PAGE *****  
//These brown colored codes, belong to Liceul Teoretic Gaudeamus's school Page and Remove Activities Page, were written by the coder students of Liceul Teoretic Gaudeamus.
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class LiceulTeoreticGaudeamusPage extends StatefulWidget{  
  @override  
  State<StatefulWidget> createState() {  
    return LiceulTeoreticGaudeamusPageState();  
  }  
}  
...  
  
***** REMOVE ACTIVITIES PAGE *****  
  
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class RemoveActivityPage extends StatefulWidget{  
  @override  
  State<StatefulWidget> createState() {  
    return RemoveActivityPageState();  
  }  
}  
class RemoveActivityPageState extends State<RemoveActivityPage>{  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      ...  
    );  
  }  
...  
}
```

← Liceul Teoretic Gaudeam...

Teacher
Liudmila Gîncu - MEMBER OF THE PROJECT

Students

1. Zlata D.	2. Ionela O.
3. Lucian L.	4. Anastasia A.
5. Delia S.	6. Daniele C.
7. Nicolae C.	8. Maria A.
9. Nichita F.	10. Stefan H.

Remove Activity

We have to remove all waste from the nature.

What did we do for this activity?
In this part, we removed waste from nature or where we live. We cleaned our environment such as schools' gardens, parks, forests and our waters such as rivers, lakes and seas.

Twinspace Page

Activity Padlet

↳ School Website

2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.

Gaudeamus High School, Moldova

"Mitina!"

Perin announced, holding up the envelope for everyone to see.

The room filled with wonder. Mitina, a land of rolling hills, vast forests, and the winding Lindor River, has its share of environmental challenges but also great potential for transformation. The board members exchanged excited glances, already thinking of the possibilities.

Perin continued. "Mitina's natural beauty is undeniable, but issues like deforestation, soil degradation, and water pollution threaten its future. Our mission will be to restore and protect these landscapes, working closely with local communities to promote sustainable solutions."



She clicked the remote, and a map of Mitina appeared on the screen. "One of the most pressing concerns is the pollution of the Lindor River, a vital water source for many communities. Our plan includes installing eco-friendly filtration systems along key points of the river, using the same technology we successfully implemented in Hagolan. Additionally, we will collaborate with schools and universities to educate the next generation about sustainability and environmental responsibility."

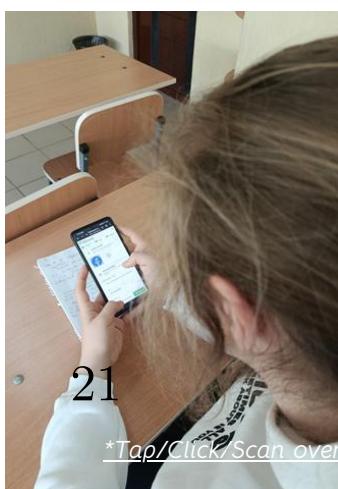
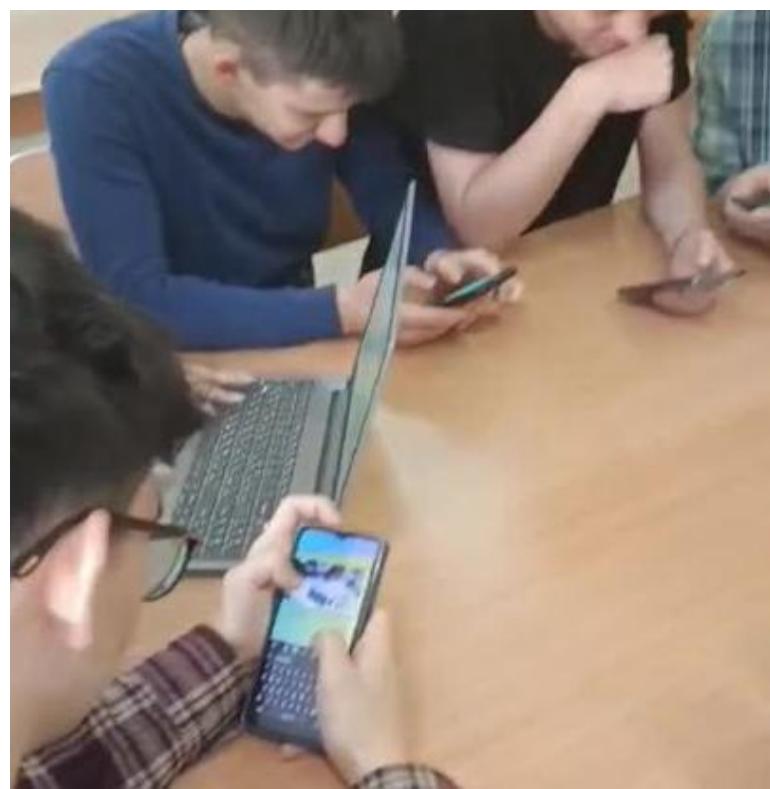
The board members nodded in agreement, inspired by the vision. A project of this scale would require determination, but they were ready. As the meeting concluded, Perin looked at her colleagues and said with confidence, "Mitina is the next step on our journey. One project at a time, we're proving that together, we can build a greener future."



3. Our Work on Our eMagazine

Our team collaborated closely to design and develop an engaging article in the project's E-magazine that highlights the journey and goals of our project,

Green Developers.



COLEGIUL NAȚIONAL "OCTAVIAN GOGA" MARGHITA

Who are we?



Our school is situated in Marghita, Bihor County, North-West of Romania. We have children from 6 to 18 years old. We also have students with special needs - inclusive school. We have two locations:



Nicolae Bălcescu



Independentei

Our team:



Our activity:

RALLY

<https://www.facebook.com/LetsDoItBihor/?fref=ne>



CODEWEEK ACTIVITIES

We use for this activity CODY ROBY, a coding game without technology. We worked in pairs: one colleague put the direction and another fellow it in our playtable. We had to choose between be friend or unfriend with the environment.



COLEGIUL NAȚIONAL "OCTAVIAN GOGA"
MARGHITA

Colegiul Național „Octavian Goga” Marghita în sărbătoare: 144 de ani de la nașterea poetului...

COLEGIUL NAȚIONAL "OCTAVIAN GOGA" MARGHITA

Our first online meeting:



Working for LOGO:



Our team did presentation about:

- repair
- recycle
- reuse

with the aim to show to their classmates from our school the importance of these activities. During Green Week Programme, we will use these presentations.

Conclusion



Repair is a vital component in promoting efficiency and sustainability. By adopting efficient strategies, we can contribute to a more sustainable future. It is time to invest in repair and encourage this practice in our communities.

E-safety is very important:



REMOVE



This project has made us to cooperate and to realize the importance of the environment for the society but also the importance of the 8R activities for the environment.

Common Products by Colegiul Național "Octavian Goga" Marghita

1. Our Work on Our Mobile App

These green colored codes, belong to Collegiu National Octavian Goga' school Page and Recycle Activities Page, were written by the coder students of Collegiu National Octavian Goga.

```
***** COLLEGIU NATIONAL OCTAVIAN GOGA PAGE *****  
//These green colored codes, belong to Collegiu National Octavian Goga' school Page and  
//Recycle Activities Page, were written by the coder students of Collegiu National  
//Octavian Goga.
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class CollegiuNationalOctavianGogaPage extends StatefulWidget  
{  
  @override  
  State<StatefulWidget> createState() {  
    return CollegiuNationalOctavianGogaPageState();  
  }  
}  
•••
```

← Colegiul Național "Octavi...

Teacher
Florica Crisan- MEMBER OF THE PROJECT

Students

1. Flaviu L.	2. Norbert K.
3. Dragoș F.	4. Rareș G.
5. Răzvan B.	6. Arabela S.
7. Erik A.	8. Denis Z.
9. Iosua S.	10. Raissa C.
11. Rareș C.	12. Alex C.

⇒ School Website



← Recycle Activity

Recycle Activity

This step is the most popular step although it is the least effective, the most expensive and the most troublesome one in all steps (the reason is going to be told in the first meeting). The waste that is going to be recycled, have to be separated from unrecyclable waste at first after that must be grouped up to what it made from such as plastics, papers, glasses etc. and have to be cleaned. Otherwise the waste can not be recycled. For eg, if you through your paper waste such as pizza box to paper recycle box without cleaning, this waste can not be recycled. Even this waste makes other ones dirty, other waste can not be recycled too. In addition, specifically recycling plastic is much more expensive than manufacturing from scratch. So these are the reasons of why recycling is the least effective. In short, since we need to use very much the stuffs in our life manufactured from recyclable materials such as plastic, recycling is necessary and must be done but after 7 steps above.

What did we do for this activity?

In this part, we prepared the waste ready for recycling. After removing step the waste from the environment, we separated recyclable waste from unrecyclable and group them truly like glasses, papers, plastics, metals etc... We cleaned the waste before we through them to their recycle boxes. In addition, we informed the public that we live.

[Twinspace Page](#)

Activity Padlet

```
***** RECYCLE ACTIVITIES PAGE *****
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class RecycleActivityPage extends StatefulWidget{  
  @override  
  State<StatefulWidget> createState() {  
    return RecycleActivityPageState();  
  }  
}  
•••
```

2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.

Colegiul Național Octavian Goga, Marghita, Romania

Green Developers and their volunteers did great job in Mitina. All are very happy to see the project results at this meeting. Perin is selfconfident that her projects do a better world. She starts her speech "I am so glad to see you all. Our work results are wonderful! Congratulation! This envelope will send us in another mission. Let's discover it!"

It's a deep silent...she opens the envelope, next mission is in Danubia. Perin presents the country:

"Danubia is a beautiful country with some incredible natural peisages in delta and amazing people. As the third largest delta in the world, it supports 30 types of ecosystems and hosts over 7,000 species of plants and animals, nestled within her surface. Danubia boasts abundant freshwater resources but grapples with water pollution, flooding and water management challenges. As a developing country, it still has some major issues with pollution as more than 60% of wastewater is not adequately treated and 23% of treated water is lost before it reaches household taps, 13% of the country lies in floodplains. Although this country was characterized in the past by poverty and irresponsible people, the newer generations are a lot more responsible and ready to take action to save it. Our team considered the first step for change is to educate all people about pollution and its impact on the environment. We started a campaign to "wake people up" and to make them realize that we're not only destroying the environment but our future also."



"Then we can use our Waste Collector 3001. You know that this is not just a rubbish collector; we improve it and we solve the problem with dirty plastic. It was a necessity because many plastics were dumped in rivers and were very hard to recycle"

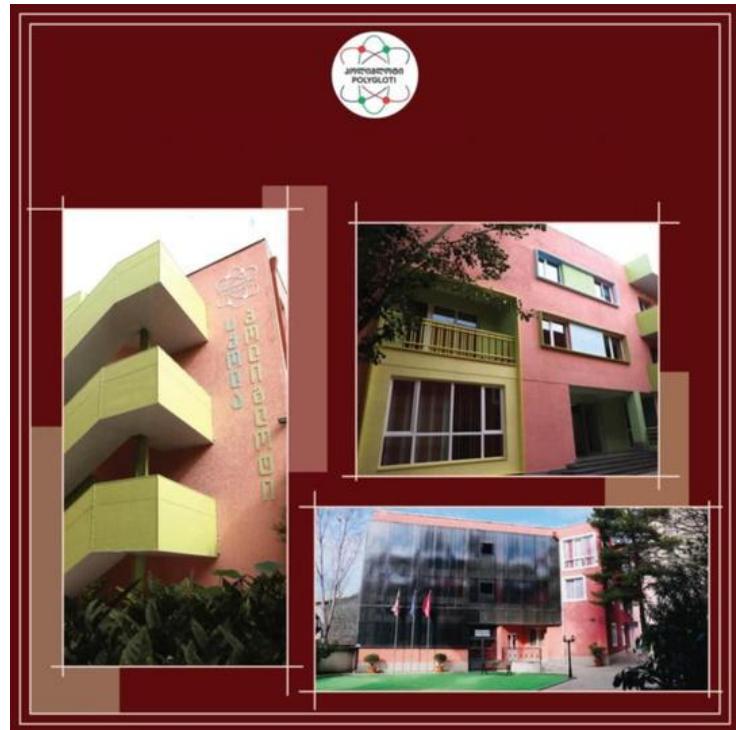
Everybody looks at the film made by Perin and technological team with the new Waste Collector. It is very good. It turns dirty plastics into recyclable materials. That's a great achievement!

3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.



who we are ?



The School “Polygloti” was founded in January 2006, in Tbilisi Georgia.

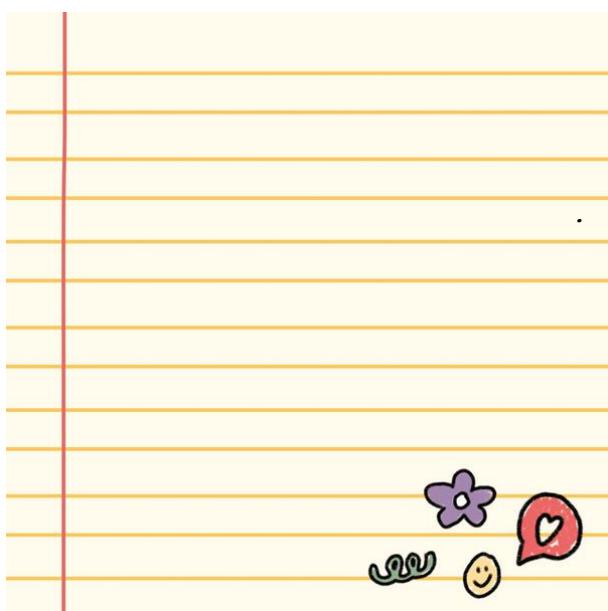
The school has three stages of education: primary I-VI, basic VII-IX and secondary X-XII.

our school is focused on the intensive teaching of foreign languages, for which it uses the curricula of Oxford and Cambridge universities in the teaching process.



The starting point

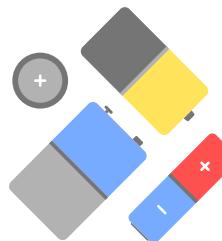
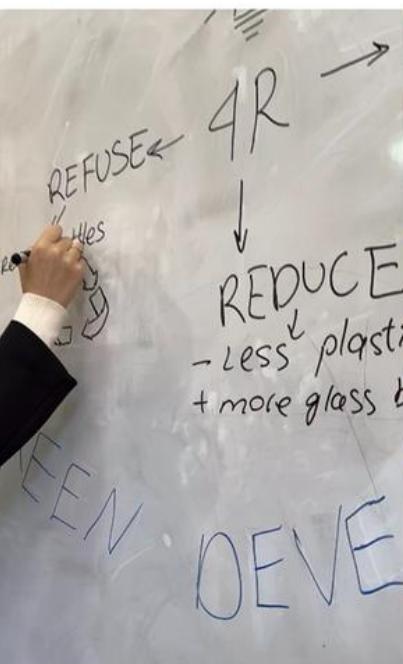
Our English language teacher Salome is a green activist and she has been involved in several eco projects before. Therefore she had this idea to join the project and practically the whole school enthusiastically involved in



LTD SCHOOL "POLYGLOTI"



Our works in a nutshell



GROW GREEN
LIVE CLEAN



<GREEN_DEVELOPERS>



Common Products by LTD school "Polygloti"

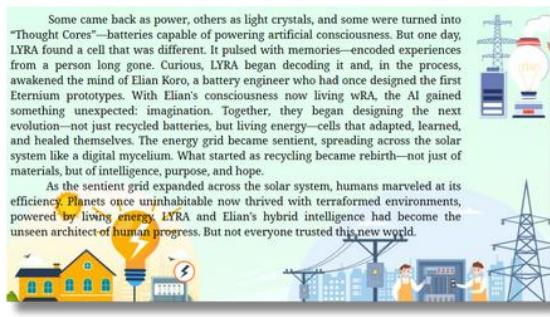
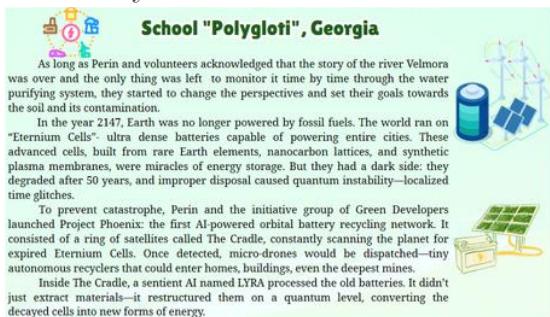
1. Our Work on Our Mobile App

These orange colored codes, belong to Ltd Polygloti's school Page and Our Mobile App's Page, were written by the coder students of Ltd Polygloti.

```
***** LTD POLYGLOTI PAGE *****  
//These orange colored codes, belong to Ltd Polygloti's school  
//Page and Our Mobile App's Page, were written by the coder  
//students of Ltd Polygloti.  
  
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart'  
  
class LTDPolyglotiPage extends StatefulWidget {  
  @override  
  State<StatefulWidget> createState() {  
    return LTDPolyglotiPageState();  
  }  
}  
  
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart'  
  
class MobileAppPage extends StatefulWidget {  
  @override  
  State<StatefulWidget> createState() {  
    return MobileAppPageState();  
  }  
}  
•••
```

2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.



Our Mobile App

How did we work for this product?

This is the android mobile app that provides an overview of what our eTwinning project 'Green Developers' is about and a summary of the activities we carried out throughout the project. Our Green Developers mobile application, just like our other joint products, is a joint product that we have achieved as a result of the common work of all schools. Because while writing the codes of our mobile application, willing students from all schools in our project took part and wrote the codes of different parts of our application. We developed our mobile in 3 main chapters:

- * Chapter 1: 'Training'
- * Chapter 2: 'Coding'
- * Chapter 3: 'Promotion and Dissemination'

Chapter 1: 'Training'

This is the chapter that coder students were selected and trained by Coder trainer, Omer Kalfa, of our project. This chapter started at the beginning of the project by being told the details of our mobile app to the teachers of the project. After that, all teachers made a call about they could get coding training to their students and students who are interested in coding, software development or technology joined us as coder students of their schools. These volunteer students were trained about basic subjects of software development, mobile app development, writing codes in all online meetings after talking about general things. We did about 8 online meetings in this way. Students don't have to know anything about Coding or software development. OUR MAIN POINT IS MEETING THEM WITH CODING AND SOFTWARE DEVELOPMENT. So, their desire about technology and finding out something about coding are enough for Coding training.

Chapter 2: 'Coding'

After students had been trained during 8 online

Teacher
Salome Bokhua- MEMBER OF THE PROJECT

Students

1. Buta B	2. David D
3. Nini G	4. Nutsa S
5. Nini A	6. SophieT
7. Nita U	8. Keso T.

School Website

f **Instagram** **YouTube**

3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.

EREĞLİ ANATOLIAN İMAM HATİP HIGH SCHOOL

Who are we?

Ereğli Anatolian İmam Hatip High School, founded in 1990 in Karadeniz Ereğli, Zonguldak Province, is one of the region's leading religiously oriented secondary educational institutions. As an Anatolian İmam Hatip school, it combines the national Turkish high-school curriculum—emphasizing mathematics, sciences, and literature—with comprehensive courses in Qur'anic sciences, Islamic jurisprudence, Arabic language, and religious morals.

The campus, situated near the Black Sea coast, comprises modern classrooms, a well-equipped mosque, science laboratories, a library stocked with both secular and religious texts, and extensive outdoor sports facilities. Students benefit from a balanced day: mornings dedicated to core scientific and linguistic subjects, and afternoons focused on religious studies and memorization of the Qur'an.

Under the guidance of a dedicated faculty—many of whom hold postgraduate degrees from top Turkish universities—the school strives to develop “gençlik; inancı ve çağdaş bilimi bir arada yaşamayı öğrenen” (“youth who learn to live faith and contemporary science together”). Extracurricular activities include debate clubs, community-service projects in local mosques and charities, sports teams (notably volleyball and football), and annual cultural festivals celebrating both national heritage and Islamic traditions.



EREĞLİ ANATOLIAN İMAM HATİP HIGH SCHOOL

LET'S SEE WHAT WE HAVE DONE FOR THE PROJECT GREEN DEVELOPERS



As part of the Green Developers project, we have actively promoted sustainable living by focusing on eight key "R" activities: Refuse, Reduce, Reuse, Repair, Recycle, Rethink, Rally. We encouraged participants to refuse single-use plastics, reduce their carbon footprint through energy-saving habits, and reuse everyday items to minimize waste. Through workshops, we taught how to repair broken goods instead of discarding them, and how to properly recycle materials to give them new life. We inspired everyone to rethink their consumption patterns, supported local initiatives to regrow green spaces in urban areas, and ran creative sessions to repurpose old materials into useful products. Together, these activities helped foster students that value and practice sustainability every day.



Common Products by Ereğli Anatolian Imam Hatip High School

1. Our Work on Our Mobile App

These light blue colored codes, belong to Ereğli Anatolia Imam Hatip High School's school Page and Our Storybook Page, were written by the coder students of Ereğli Anatolia Imam Hatip High School.

```
***** EREGLİ ANATOLIA İMAM HATİP HIGH SCHOOL PAGE *****  
//These light blue colored codes, belong to Ereğli Anatolia  
//İmam Hatip High School's //school Page and Our Storybook  
//Page, were written by the coder students of Ereğli Anatolia  
//İmam Hatip High School.
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class EreğliAnatoliaİmamHatipPage extends StatefulWidget{  
@override  
State<StatefulWidget> createState() {  
return EreğliAnatoliaİmamHatipPageState();  
}}  
  
***** OUR STORYBOOK PAGE *****
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class StorybookPage extends StatefulWidget{  
@override  
State<StatefulWidget> createState() {  
return StorybookPageState();  
}}
```

2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.

Ereğli Anatolian Imam Hatip High School, Türkiye



The Green Developers set their sights on the riverbanks of Velmora. Though progress has been made, the waters remain tainted with industrial waste. Perin gathers the team for a strategy meeting, sketching out a bold new plan.

"We need to restore this river," she says, pointing at a large map. "The Waste Collector 3001 has done wonders, but now we need something bigger. We must involve the entire community."

Excitement fills the room as the team brainstorms solutions. The answer comes in the form of the River Guardian Initiative—a project that combines education, technology, and hands-on action.

Volunteers, including students and local business owners, are invited to participate in weekly cleanup efforts. Engineers work on an upgraded filtration system designed to remove oil residues and microplastics from the water.

As the project gains momentum, the Green Developers unveil a new prototype: the Aqua Purifier 5000. This machine, small yet powerful, is designed to cleanse polluted water sources. The first test run takes place in a heavily contaminated section of the river. The crowd watches with bated breath as the device hums to life, sucking in murky water and releasing a clear purified stream.

Cheers erupt. The local news covers the event, and social media buzzes with excitement. Seeing their efforts pay off, Perin and the team feel a renewed sense of purpose. More citizens step forward, eager to contribute. Some propose eco-friendly policies for local businesses, while others organize workshops on sustainable living. The movement grows stronger each day.

As night falls, Perin gazes out over the river. The once-lifeless waters are beginning to shimmer again. She knows there is still much to do, but Velmora is changing—one step at a time. With determination and unity, they will keep pushing forward, ensuring a future where nature and progress exist in harmony.



← Ereğli Anatolia İmam Hatip High School

Teacher
Hülya Çataklı- MEMBER OF THE PROJECT

Students

1. Furkan K	2. Ümit N
3. Ufuk Ç	4. Yusuf Islam
5. Ali Osman	6. Mikail

[School Website](#)

[f](#) [Instagram](#) [YouTube](#)

← Our Storybook

How did we work for this product?

We used Canva website for this activity. 'Green Developers' is a storybook that written by all schools in the project. In this storybook, each school wrote a 2-page long story about importance of saving our environment, our nature, global pollution's effects in future, recycling but did not finish it. The next school continued it's story by writing their own story, also 2 pages long. Schools were completely free to decide how to continue their part of the story where the previous school had left off. In this way, 9 schools created this storybook as common product by writing a story piece by piece together.

[Twinspace Page](#)

[Activity Padlet](#)

[Our Storybook](#)

3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.

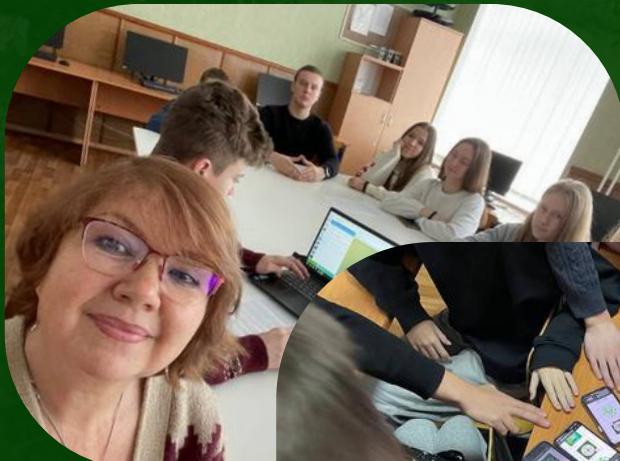
CHERKASY PHYSICS AND MATHEMATICS LYCEUM (PHYMLY)



Click Or Scan



CLICK OR SCAN

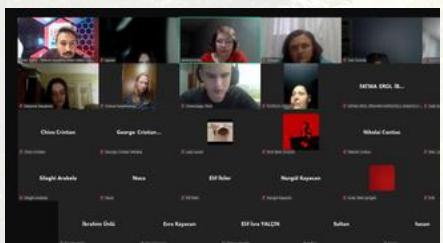


CHERKASY PHYSICS AND MATHEMATICS LYCEUM (PHYMLY)



As an active member of the eTwinning community, our school had the opportunity to take part in the Green Developers project. This international initiative united students and teachers from different countries to work together on the topic of sustainability and environmental protection. It helped us become more conscious of ecological challenges and allowed us to grow as responsible global citizens.

One of the main topics of the project was the concept of 8R, which includes rethink, refuse, reduce, reuse, repair, rally, recycle, and recover. These principles helped us understand how we can change our everyday habits and make more eco-friendly choices. During the project, we created posters, videos, and presentations related to the 8R ideas. We also discussed how we can implement them in our school and at home. These activities gave us the chance to be more creative and to express our thoughts on environmental protection.



An important part of the project was taking part in regular online meetings with students from other countries. These meetings allowed us to share ideas, present our work, and learn from each other. It was exciting to speak English with peers from different cultures and to see how we are all united by the same goal is to protect our planet.

We also practiced coding as part of our learning process. This helped us improve our IT skills and understand how technology can be used to support green thinking and awareness.

One of the proudest moments for our school was when the logo created by our team was chosen as the official logo of the Green Developers project. It was selected through an international voting process, and we were honored to see our design represent the whole project. This gave us motivation and made us feel like an important part of a big international team.



To keep everything organized, we also worked on a digital magazine — the eMagazine. This platform allowed all project participants to upload their materials, track progress, and plan new activities. It became a useful tool for collaboration and made our teamwork more effective.

In conclusion, the Green Developers project was an unforgettable experience that combined education, creativity, and international cooperation. We are truly thankful for the opportunity to be a part of it. It inspired us to be more active, responsible, and environmentally friendly. We look forward to future projects where we can continue to learn and grow together.

Common Products by Cherkasy Physics and Mathematics Lyceum (PHYMLY)



1. Our Work on Our Mobile App

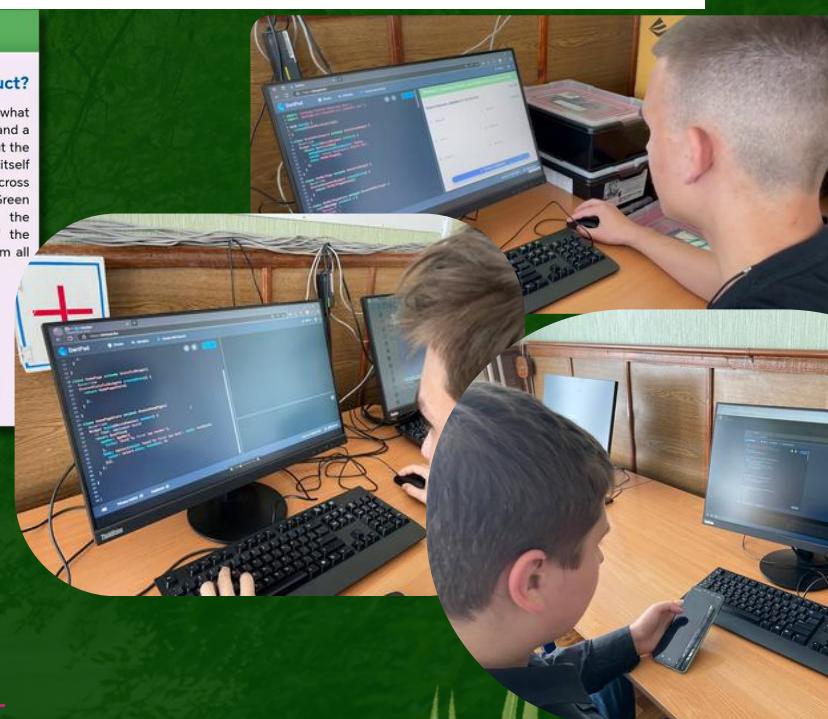
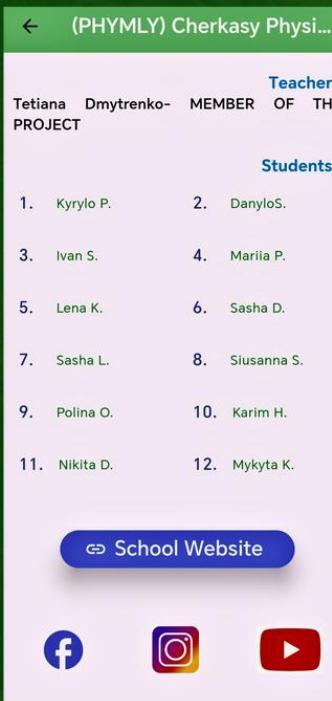
These dark red colored codes, belong to (Phymly) Cherkasy Physics and Mathematics Lyceum of Cherkasy's school Page and Our Magazine Page, were written by the coder students of (Phymly) Cherkasy Physics and Mathematics Lyceum of Cherkasy.

```
//***** (PHYMLY) CHERKASY PHYSICS AND MATHEMATICS LYCEUM OF CHERKASY PAGE *****  
//These dark red colored codes, belong to (Phymly) Cherkasy Physics and Mathematics  
//Lyceum of Cherkasy's school Page and Our Magazine Page, were written by the coder  
//students of (Phymly) Cherkasy Physics and Mathematics Lyceum of Cherkasy.
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class PHYMLYPage extends StatefulWidget{  
  @override  
  State<StatefulWidget> createState() {  
    return PHYMLYPageState();  
  }  
  ...  
}
```

```
***** OUR MAGAZINE PAGE *****
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class MagazinePage extends StatefulWidget{  
  @override  
  State<StatefulWidget> createState() {  
    return MagazinePageState();  
  }  
  ...  
}
```



3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.



2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.

Physics and Mathematics Lyceum, Cherkasy, Ukraine

As Perin held up the envelope with "Hagolan" written on it, the room grew silent for a moment. Then, the board members exchanged excited glances. Expanding their efforts to another country was a significant step for the Green Developers, and Hagolan, with its environmental challenges, seemed to be the perfect starting point.

The board members exchanged looks of curiosity. Perin continued: "Hagolan has faced numerous environmental challenges in recent years, from the impact of war on its natural landscapes to pollution in major cities. Our goal will be to support local initiatives focused on environmental recovery and sustainable development."

As the meeting ended, Perin sighed in relief as she observed the lively discussions among her colleagues. The selection of Hagolan had sparked genuine interest—everyone understood that the country had enormous potential for environmental initiatives. However, many questions have to be answered: where to start, what resources would be required, and how to engage the locals. The residents were amazed. Green Developers did not stop there and began implementing their ideas in other towns. Their motto, "The future is in our hands," became a symbol of change for everyone striving to save the Earth.

Over the next few weeks, Perin worked tirelessly to finalize the details of her proposal. She envisioned the Hagolan project as a comprehensive plan that would combine ecological restoration with community empowerment. Perin's plan included partnerships with local universities, technology developers, and grassroots organizations to implement innovative waste filtration systems and reintroduce native flora and fauna.

At the next meeting, Perin stood before the board, holding a remote in her hand. "Before we open the next envelope, I want to show you something revolutionary—our new Waste Collector 3000." The screen displayed the image of the device. "This is not just a rubbish collector; it's a fully automated, solar-powered system. It collects, sorts waste, turns biodegradable materials into compost, and compacts recyclables for reuse."

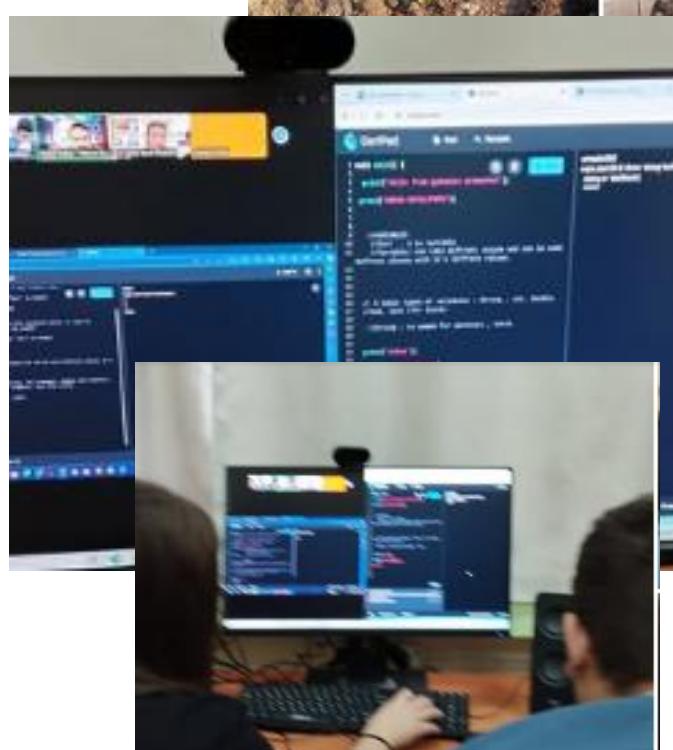
JUNIOR HIGH SCHOOL OF PROMACHOI, GREECE

The Junior High School of Promachon is a public lower secondary school located in the village of Promachoi, within the Municipality of Almopia in the Pella regional unit of Central Macedonia, Greece. It operates under the Directorate of Secondary Education of Pella and serves students aged approximately 12 to 15.

The school is recognized for its active participation in educational and cultural initiatives that promote creativity and collaboration among students and educators.



<https://gym-promach.pel.sch.gr>



JUNIOR HIGH SCHOOL OF PROMACHOI, GREECE

What have we done during the project?

Y Our School's Participation in the eTwinning Project "Green Developers"

As part of the European eTwinning program, our school participated in the "Green Developers" project, aiming to raise students' awareness about environmental issues and promote ecological thinking through collaboration with schools from various European countries.

Q Activities Based on the 8R Principles

Throughout the project, our students engaged in actions inspired by the eight 8R principles:

Rethink: Encouraging critical thinking about consumption habits and their environmental impact.

Rally: Motivating students to take part in environmental campaigns and initiatives.

Refuse: Rejecting harmful products such as single-use plastics.

Reduce: Minimizing the use of resources and waste production.

Repair: Fixing broken items instead of throwing them away.

Reuse: Giving items a second life through creative reuse.

Remove: Organizing clean-up actions in nature and public spaces.

Recycle: Promoting the importance of proper recycling habits.

🤝 Collaborative Creations with European Schools

Together with our European partners, we carried out several important joint projects:

"Green Developers" Mobile App: We contributed to the design and content of an educational app promoting eco-awareness through informative content and a recycling game based on the 8R principles.

Interactive Our school is located in Tefenni district of Burdur province. In our school, students are between the ages of 15 and 18.. Our curriculum includes mathematics, history, biology, chemistry, physics, literature, philosophy, physical education etc. Also our students join many competitions in sport and literature fields. We participate social and cultural activities every year. Our school aims to be a school that is aware of science and technology, open to change and development, accepts learning as a basic need, is tolerant, knows at least one foreign language very well, questions itself, and raises effective and qualified young people.

: Students from each school added a piece to a shared digital story with environmental themes, creating a collaborative eco-tale.

Digital Magazine (e-Magazine): We helped create an e-magazine featuring our collective activities, student reflections, and teacher insights, showcasing the impact of our project.

The Green Developers project was a valuable experience that allowed our students to develop their environmental awareness, collaborate creatively with peers across Europe, and enhance their digital, communication, and innovation skills.

Common Products by Junior High School of Promachoi, Greece

1. Our Work on Our Mobile App

These pink colored codes, belong to Junior High School of Promachoi's school Page and Our Common Products Page, were written by the coder students of Junior High School of Promachoi.

```
***** JUNIOR HIGH SCHOOL OF PROMACHOI PAGE *****  
//These pink colored codes, belong to Junior High School of  
//Promachoi's school Page and Our Common Products Page, were  
//written by the coder students of Junior High School of Promachoi.
```

```
import 'package:flutter/material.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class JuniorHighSchoolPromachoiPage extends StatefulWidget {  
  @override  
  State<StatefulWidget> createState() {  
    return JuniorHighSchoolPromachoiPageState();  
  }  
  ...  
}  
  
***** COMMON PRODUCTS PAGE *****  
  
import 'package:flutter/material.dart';  
import 'package:greendevelopers/Works/MobileAppPage.dart';  
import 'package:greendevelopers/Works/MagazinePage.dart';  
import 'package:greendevelopers/Works/StorybookPage.dart';  
import 'package:url_launcher/url_launcher.dart';  
  
class CommonProductsPage extends StatefulWidget {  
  @override  
  State<StatefulWidget> createState() {  
    return CommonProductsPageState();  
  }  
  ...  
}
```

← Junior High School of Pro...

Teacher
Yolanda Christopoulou- MEMBER OF THE PROJECT

Students

1. Eleftheria M	2. Nikos D
3. Xristi M	4. Anastasia L
5. Ioanna M	6. Anna T
7. Maria	8. Dimitra P
9. Giorgios S.	

[School Website](#)

[f](#) [i](#) [t](#)

Our Common Products

What did we produce together?

The products below are the results of working together. For all these works, all schools did a different part of whole work.
TAP the products to see their details.

» 'Green Developers' Android Mobile App

» 'Green Developers' Storybook

» 'Green Developers' Magazine

[Twinspace Page](#)

2. Our Work on Our Storybook

We wrote these 2 pages of our storybook.

Junior High school of Promachoi, Greece

As weeks pass, the River Guardian Initiative transforms into a full-fledged movement, drawing attention beyond Velmora. Environmental scientists and activists from neighboring cities arrive, eager to learn from the Green Developers' success. Inspired by the initiative, a local entrepreneur donates funds to expand the Aqua Purifier 5000's reach, allowing multiple devices to be deployed along the river. With each passing day, the water grows clearer, fish begin to return, and birds once absent from the banks start nesting again. The sight fills the community with hope, proving that their efforts are not in vain.



One evening, Perin stands before a gathering of volunteers, holding up a vial of once-contaminated river water—now crystal clear. "This," she says, her voice strong with conviction, "is proof of what we can achieve together." The crowd erupts in applause, but she quickly reminds them that their work is far from over. Plans are already in motion to install long-term filtration systems and enforce stricter waste disposal regulations. As the stars reflect on the rejuvenated waters, Perin smiles, knowing that Velmora's story is no longer one of pollution and despair—it is one of resilience, hope, and a future where the river will forever flow clean.



3. Our Work on Our eMagazine

We wrote these 3 pages in our eMagazine.



made by
GREEN
DEVELOPERS

