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The Erasmus+ KA229 "Cybersecurity Schools" project started on September 1st of the current academic year. We are a coordinating centre and its coordinator is the teacher Juan Antonio Rincón Carballo. We are carrying it out with partners from Hungary, Italy, Poland, Romania and Turkey. Below is a summary of the participating partners. This information can be consulted in more detail in the project card at the following web address:
https://ec.europa.eu/programmes/erasmus-plus/projects/eplus-project-details/?fbclid=IwAR2nVLqtr3Kl8jl8Bu9vcp_ljnsR0Cvt1GxZ9KIEP_uZ6EOXer8vkckTs38#project/2019-1-ES01-KA229-064699

Country	Center	Coordinating Professor
Hungary	Szent István Egyházi Általános Iskola és Kollégium	Attila Gulyás
Italy	Istituto Comprensivo Pescara 7	Rosella Di Donato
Poland	Primary School No 88 in Poznań	Klaudia Lach
Romania	Scoala Gimnaziala "Samson Bodnarescu" Galanesti	Gheorghina Rodica Chifan
Turkey	Fethiye Ortaokulu	Aysegul Erdur

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Our **main objective** is the exchange of **good educational practices** in cybersecurity. We understand good practices as those that have given positive results in other educational contexts and that we specify and adapt to the context of our project. During the development of the project, five good practice units will be carried out. Each country designs and shares its good practices with the other partners. In this course we have completed unit 1 on privacy on the net and unit 2 on communication is being developed. We have already decided that unit 3 will deal with cyberbullying.

The **target audience** is students between 10 and 14 years old and the **final product** will be the organization and realization of the "**First International Bilingual Congress on Cybersecurity**".

Until **March**, both local activities and short term exchanges of students and teachers were carried out as planned in the project's programme. Below we offer a summary with evidence to the official blog of the project, web space along with the TwinSpace where we are documenting the entire process of implementation of the project. Link to the blog: <https://officialcybersecurityschools.blogspot.com>

Activity	Type of activity	Evidence on the blog
P1: Erasmus Corner.	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Erasmus%20Corner
P2: Incorporation of teachers and students in the eTwinning platform. Presentation of our centres, cities and countries.	Other project events	https://officialcybersecurityschools.blogspot.com/2019/09/teachers-introduction.html https://officialcybersecurityschools.blogspot.com/search/label/Pupils%27%20Introduction
Q3: Questionnaires for students on cultural	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Cultural



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aspects of the participating countries		arch/label/Portfolio
P4: European Day of Languages	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Day%20of%20Languages
P5: Presentation of our educational centres	Other project events	https://officialcybersecurityschools.blogspot.com/p/project.html
P6: Project logo	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Logo%20project
Q7: Online meeting to agree on important aspects of the first mobility to Romania.	Other project events	https://officialcybersecurityschools.blogspot.com/2019/09/first-online-meeting-between-teachers.html
Q8: Lifestyle questionnaires from participating countries	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Lifestyles%20questionnaires
Q9: Positive and negative aspects of the technologies	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Positive%20aspects
P10: Online meeting of the project partners to further specify aspects of the first mobility	Other project events	https://officialcybersecurityschools.blogspot.com/2019/10/today-coordinator-teachers-celebrated.html
Q11: Program brochures to be distributed by our educational community.	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Leaflets
P12: Workshops for the	Other project events	https://officialcybersecurityschools.blogspot.com/



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<p>improvement of language and digital competences of teachers and pupils.</p>		<p>yschools.blogspot.com/search/label/English%20workshop</p> <p>https://officialcybersecurityschools.blogspot.com/search/label/ITC%20workshop</p>
<p>Q13: Portrait of our centres to show the rest of the members the diversity of our centres.</p>	<p>Other project events</p>	<p>https://officialcybersecurityschools.blogspot.com/search/label/The%20School%20portrait</p>
<p>C1: Short term exchange of group of students Title of the mobility: Welcome! Host country: Romania With the title "Welcome" we carried out the first mobility of our project "Cybersecurity Schools" that developed the following contents:</p> <ul style="list-style-type: none"> * Activities to welcome teachers and students. * Educational and cultural knowledge of the partners from the participating countries through presentations and videos, exposed to the whole community. * Visit to the most emblematic places in Galanesti and its surroundings: Marginea Pottery Center, Sucevita Monastery, Salt Cacica Mine, "Stefan cel Mare" University (Faculty of Electrical and Computer Engineering), Planetarium and the Astronomical Observatory of Suceava; Suceava Fortress and Natural Park. * Implementation of specific activities on cybersecurity: Review of the blog of the school project "Samson Bodnarescu". Creation of a presentation on privacy rules when surfing the Internet. Evaluation of unit 1 on good practices on privacy. Update of the eTwinning platform. * Participation in a conference entitled "Computer yesterday and today" * Knowledge of the history and culture of Romania through a gamification activity carried out with the Kahoot tool <p>The teachers:</p> <ul style="list-style-type: none"> * We review the activities carried out so far on the eTwinning platform. We clarify important aspects and pillars of the project such as the exchange of good practices and the organisation of these practices during the life of the project. * We organize important aspects of the second mobility to Poland, such as the date, number of participating students from each school, organization of the students with the host families, etc. 		



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The methodology was characterized by the active participation of the entire educational community in collaborative work environments. The key element was neither the teachers nor the students, but all the people of the Galanesti Community with whom all the partners relate. About ten families from Galanesti hosted our students, standing out for their hospitality, closeness and kindness. The contact with them was established weeks before the beginning of the mobility and it was very easy.

The results of this activity have been a greater knowledge and cohesion of the group. The activities promoted face-to-face contact and mutual knowledge of the partners, greatly favouring the development of linguistic, intrapersonal and interpersonal intelligence. Significant learning was achieved through real classroom communication situations described above.

The activity was perfectly integrated in the centre of Galanesti. For example, taking advantage of the fact that Christmas was near, the whole centre prepared activities such as greeting cards, songs and dances that were exhibited as a closing ceremony. During the week the activities were carried out in different spaces, which favoured the realization of the usual activities of the centre.

How did participation in this activity benefit the participants involved?

Thanks to the development of this activity, the participants involved benefit from the following aspects

- * Traveling allowed us to develop skills that might otherwise not have come along. Some of our students, due to their young age, were travelling for the first time without their parents' presence and using means of transport such as airplanes.

- * We all got to know each other physically, establishing bonds of friendship that will have a positive impact on the development of the project. In the case of the students, this knowledge will make communication easier for them in order to carry out future joint activities of the project. In the case of unit 1 we have decided that it will be an interactive presentation with Google Drive tools through the eTwinning platform. From the teachers' point of view, the contact helped us to form professional and friendly links that will benefit the good development of the project and our professional future.

- * We improve or strengthen our skills in a foreign language. In our case it was English. We have found that this task is easier when students share with host families or peers. Being immersed all day in a place that speaks a certain language is the best way to incorporate it and learn it in a real way.

- * Greater knowledge of cyber security thanks to the activities that took place in the cultural centre and presentations such as "Computer yesterday and today".

- * Openness of mind to other realities (social, economic and educational) different from our own.

- * We have lived with other cultures, traditions and ways of life.



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<p>* Joint and effective resolution of the problems that arose during the development of mobility and which are detailed in the minutes, the link to which is given below: https://drive.google.com/open?id=1INHH9f0CRAn2S7dF14pZhgtONxz818Ar</p>		
P14: Teacher training on technological aspects of the eTwinning platform.	Other project events	https://officialcybersecurityschools.blogspot.com/2019/12/etwinning-local-trainings.html
P15: Evaluation of good practices of theme 1.	Other project events	Pending activity.
P16: Celebration of Christmas. Sending of congratulations.	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Christmas https://officialcybersecurityschools.blogspot.com/search/label/Christmas%20cards
P17: Local training on specific aspects of the project.	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Local%20Training
Q18: Online meeting to specify aspects of the second mobility to Poland.	Other project events	https://officialcybersecurityschools.blogspot.com/2020/01/second-coordinators-online-meeting.html
P19: Presentation of the agreements reached at the coordinators' meeting on a social board.	Other project events	https://officialcybersecurityschools.blogspot.com/2020/01/padlet-with-coordinators-agreements.html
P20: Proposals of good practices for unit 2.	Other project events	Proposals contained in the materials section of the TwinSpace
<p>C2: Short-term exchange of groups of students Title of the mobility: Privacy on the Net and healthy use of electronic devices.</p>		



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Host country: Poland

During the week of 24th to 28th February we carried out our second mobility of the project "Cybersecurity Schools" which was entitled: Privacy on the Net and healthy use of electronic devices. During five days, students and teachers developed the following contents:

- * Presentation of each organization to the entire educational community with photos, videos, etc.
- * Presentation of the facilities of the educational center.
- * Workshop for students and teachers on privacy and communication on the Internet.
- * Cultural visits to the Croissant Museum and the Potato Museum
- * Workshop for students and teachers on the healthy use of mobile devices
- * Visit to the Faculty of Mathematics and Computer Science at Adam Mickiewicz University.
- * Sports competition in the school facilities (activity for students)
- * Workshop for students and teachers on the care of the digital identity
- * Science and technology labs at Adam Mickiewicz University
- * Workshop for students and teachers: Making a lapbook about Poznan.
- * Closure of the programme and teaching activities

The methodology was characterized by:

- * The design of workshops with a pedagogical basis of Problem-Based Learning
The starting point was a problem situation posed in the classroom, and the students' need to solve it through a project was created. Skills were encouraged to search for information, predict results, or create possible solutions. One of the workshops that responded to this design was the activity of creating a Role Playing in groups to respond to a situation that in turn alluded to risks related to privacy on the Internet. These are some of the approaches given to the groups: Group 1 - Mark's activity on the Internet after several years thwarted his important life plans; Group 2 - Ania's online activity helped her get her first job; Group 3 - Kacper broke up with his girlfriend after what he saw on her Facebook wall; Group 4 - A well-known company turned to Tomek with a proposal of cooperation after what she found about him on the Internet.

- * Designing activities to be solved in a collaborative way in small international groups of students
- * To have activities organized on the basis of team learning, led by fellow experts in the subject or task, and which encouraged discussion or debate in small groups of 8 - 10 students.
- * Have mentoring processes offered by the host students that inspired their peers, helping them acquire the information and skills needed to complete the activities. It was not a matter of doing the activities with them.



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The results of this activity have been a greater knowledge and cohesion of the group, increasing the intercultural competence among the students who participated in the activities. The activities promoted face-to-face contact and mutual knowledge of the partners, greatly favouring the development of foreign language, intrapersonal and interpersonal skills. Significant learning was achieved through real or fictitious communication situations; as well as awareness and training in the areas of privacy on the Internet and healthy use of mobile devices.

Teachers and students from 5 of the 6 organizations that are part of the project participated in the mobility. Italy could not participate due to force majeure caused by the global pandemic COVID-19. A total of 17 students from Spain (5), Hungary (4), Romania (4) and Turkey (4) participated. In Poland, 18 students took responsibility for hosting the project.

The activity was perfectly integrated into the school in Poznan. The welcome activity, an "Alice in Wonderland" theatre, had a considerable amount of previous work done by students and teachers. The same can be said of the previous work of organisation and planning of the programme of activities by the coordinator and the management team; of the decoration of the corridors with motifs from each of the participating countries; of the distribution of the spaces to develop each of the activities (gymnasium, assembly hall, computer room, teachers' room...), or of how emotional and beautiful the closing was. In all cases we were able to see how integrated the project is among the teachers and students in Poznan.

How did participation in this activity benefit the participants involved?

Thanks to the development of this activity, the participants involved benefit from aspects such as

- * The development of personal and interpersonal skills typical of an exchange activity between students and teachers
- * Healthy use of mobile devices by students. In the case of Spain, it was the first time that students carried their own devices in a mobility. The experience was very positive. All the students complied favorably with the agreement with their families through a contract of use.
- * The strengthening of the bonds of friendship between students and teachers
- * Improving language skills in English.
- * Increasing our knowledge about cyber security on Internet privacy and healthy use of mobile devices; through specific workshops at school, and activities developed at the University.
- * Openness of mind to realities (social, economic and educational) other than our own, respect for differences and the importance of our participation in European key action projects 229.
- * The collaboration of all the participants through a program of activities that stimulated it.



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- * The exchange of good teaching-learning practices with teachers from other countries.
- * The professional development of the teaching staff when having to give classes to international groups of students.
- * The increase and motivation of all participants by seeing the fulfilment of all the objectives of the programme.

P21: Evaluation of good practices of theme 2.	Other project events	Pending activity.
Q22: Outreach activity with families giving them advice on the good use of social networks.	Other project events	https://officialcybersecurityschools.blogspot.com/search/label/Family%20Activities
Apart from the project activities, other activities have been carried out, such as those listed below:		
E1: Presentation of the project to all members of the educational community.	Project extension activities	https://officialcybersecurityschools.blogspot.com/search/label/Project%20presentation
E2: Forum activities in the TwinSpace to find out which is the favourite electronic section of the students participating in the project.	Project extension activities	Activity contained within the TwinSpace.
E3: Peace Day activities, related to Poland, as one of the host countries of this course.	Project extension activities	https://officialcybersecurityschools.blogspot.com/2020/01/peace-day-activities.html

With the Health Alarm Condition caused by the COVID-19 all countries have been affected and activities have stopped in most of the associated centres. In the case of Spain, technology has been our lifeline and we have been able to give continuity to one of the pillars of the project, the Cybermentor Students, with students and



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teachers capable of finishing off the final products planned for this year. This course the students researched three current topics such as Fake News, cyberbullying and privacy on the Internet. For their presentations to colleagues, families, teachers and other members of the educational community (inspector, CPR reference advisor, etc.) they chose the Meet platform in sessions of approximately one hour. In two years' time, these students will be some of the protagonists who will present their work at the "1st International Bilingual Congress on Cybersecurity". It will be an educational event where they will share and disseminate their good educational practices with the whole community. Each of their final products can be consulted below:

[Link to the video of the session on Tuesday 9 June.](#)

[Link to the video of the session on Wednesday 10 June.](#)

[Link to the video of the session of Thursday 11 June.](#)

Link to the blog to all the activities carried out and related to the cybermentor student body:

<https://officialcybersecurityschools.blogspot.com/search/label/ALUMNADO%20CIBERMENTOR>

Mérida, 15th of June, 2020

Signed: Juan Antonio Rincón Carballo

Project Coordinator