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Funded by the
Erasmus+ Programme
of the European Union

Erasmus + Project of Strategic School Partnership 2016-2018
“**ECOLOGICAL LITERACY**”

PROJECT SEMINARS

- All about Unconventional Energies *[Romania]*
- Info Day *[Romania]*
- Seminar on Renewable Energy Sources *[Turkey]*
- Ecological Workshop *[Turkey]*
- We are not the same *[Lithuania]*
- Conference: “Eco Ideas for Lithuania 2017” *[Lithuania]*
- Conference: “Development of the environmental awareness of children through good practice in schools” *[Cyprus]*
- Your Planet Needs You! *[Cyprus]*
- Inter-county Expert Meeting “EU Projects At Schools” *[Croatia]*
- ELIT presented at an expert meeting of school librarians *[Croatia]*
- ELIT on International Conference Mipro 2017 *[Croatia]*
- Seminar on the International Day of Peace *[Portugal]*
- Seminar on the Health Communication *[Portugal]*



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Seminar: “All about Unconventional Energies”

[Romania]

Program of the Seminar

Motivational seminar - 3 hours

Target group: 40 pupils, 10 teachers of Physics and Chemistry, specialists in the field from other institutions, engineer Dragoş Muntean - WMS Sibiu

Field: Sciences

Argument: Solving the energy and food crisis through: the use of the unconventional energies; the production in the household of the necessary living food; the environmental protection.

Motto: “Children learn what they live!” Dorothy Law Nolte

The action is developed within the Erasmus+ project “Ecological Literacy” 2016-2018

Location: Physics lab of “Constantin Noica” Theoretical High School Sibiu

Coordinators: the teachers Adina Secu and Ramona Ciortea

Partners: WMS Sibiu, Muntean Cioplea, teacher at Energetical High School Sibiu

Agenda:

8.00 - 8.15 Presentation of the activities within the seminar

8.15 - 10.15 Presentation of the activities within the various experiments achieved by the pupils of the high school cycle - classes IX - XII

10.15 - 10.45 Informal discussions

10.45- 11.00 Feedback- questionnaires

SEMINAR ALL ABOUT UNCONVENTIONAL ENERGIES



Solving the energy and food crisis through:

- the use of the unconventional energies;
- the production in the household of the necessary living food;
- the environmental protection.

Event Date: April 5th 2017

“Constantin Noica” Theoretical High School Sibiu



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The Questionnaire of the Seminar:

Position:

Age: M or F

	ANSWER	OBSERVATIONS																				
1. Was the seminar interesting enough?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
2. Would you want to sustain in future such presentations?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
3. Were you attracted in particular by the experiments presented?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
4. Will be the used methods helpful for you?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
5. Would you like to keep in touch by email?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
6. If you selected YES, please leave us a contact. Thank you.	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
7. Would you be able to involve you in another experiment within the Erasmus+ project „Ecological Literacy“?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
8. Are you willing to participate in other seminars organized within the Erasmus+ „Ecological Literacy“?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
9. Do you think that the session of informal discussions within the seminar was useful?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
10. On a scale from 1 to 10, please analyze the session for its entire deployment.	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	1	2	3	4	5	6	7	8	9	10											
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Project coordinator:
Gabriela Mirela Jugar

Signature,

.....

Seminar: “Info Day”

[Romania]

Program of the Seminar

13:45-14:00: Welcoming of guests

14:00-15:00: Development of the seminar

Speech of Mrs. general/deputy school inspector

Mrs. Anca Voineag, teacher and school inspector for educational projects - general presentation of Erasmus+ projects

Mrs. Gabriela Mirela Jugar, primary level teacher

- a presentation of Learning/Teaching/Training Activities developed within the Erasmus+ project **“Ecological literacy”**

Mrs. Diana Bucuț ă, primary level inspector and Mrs. Mădălina Sporis, primary level teacher - a presentation of the Erasmus+ project **“Be better through Learning!”**

15:00-15:15: Conclusions, the end of the activity



The Questionnaire of the Seminar:

Position:

Age: M or F

	ANSWER	OBSERVATIONS																				
1. Was the seminar interesting enough?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
2. Would you want to sustain in future such presentations?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
3. Were you attracted in particular by the presented activities?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
4. Will be the used methods helpful for you?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
5. Would you like to keep in touch by email?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
6. If you selected YES, please leave us a contact. Thank you.																						
7. Would you be able to involve you in another experiment within the Erasmus+ projects " <i>Ecological literacy</i> " (K2), " <i>Be better through Learning!</i> " (K1)?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
8. Are you willing to participate in other seminars organized within these Erasmus+ projects K1 and K2?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
9. Do you think that the session of informal discussions within the seminar was useful?	YES <input type="checkbox"/> NO <input type="checkbox"/>																					
10. On a scale from 1 to 10, please analyze the session for its entire deployment.	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	1	2	3	4	5	6	7	8	9	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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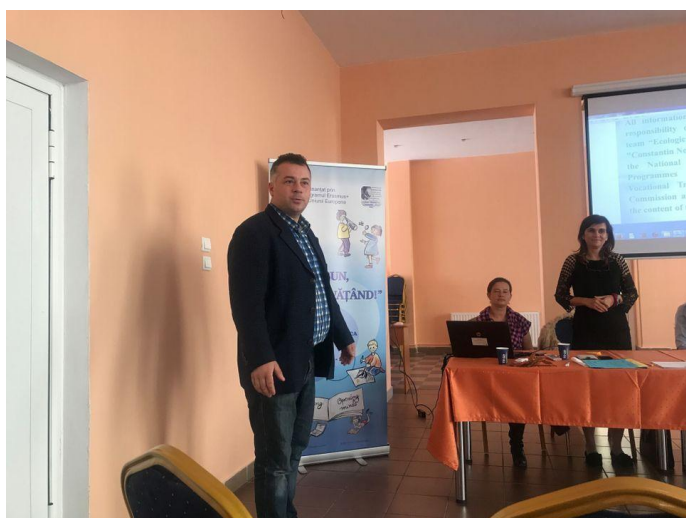
Projects coordinators:

Diana Adina Bucuță, teacher

Gabriela Mirela Jugar, primary level teacher



More photos:



Seminar on Renewable Energy Sources

[Turkey]

Today, the energy that we need is being obtained largely from fossil fuels. The need for energy is growing rapidly. Given the dependence on fossil fuels, it is inevitable that we will turn to renewable energy sources. Generating electricity through solar panels which is the most common method among all other renewable energy sources is a quite advantageous method due to the geographical location of our city.

Gaziantep Metropolitan Municipality Ecological Building has been built as a human resources center. The building with its PassivHaus certificate is the first of its kind in Turkey. Ecological Building has many ecological features such as solar panels for electricity production, rainwater harvesting system, smart enlightening systems, mechanical ventilation, heat pump and green roof.

For our students to have awareness about renewable energy and knowledge about rainwater harvesting systems, we organized a seminar in Gaziantep Metropolitan Municipality Ecological Building. Pupils, thanks to the seminar by the experts of the subject, learnt about renewable energy sources and the ways to build and use them.



Ecological Workshop

[Turkey]

Vali M. Lutfullah Bilgin Secondary School project workgroup conducted a workshop on “Ecology” within the scope of Erasmus+ project “Ecological Literacy” in Gaziantep Metropolitan Municipality Ecological Building between 23 – 27.01.2017.

Ecological Winter School which was planned to create an awareness of environment and nature lasted for five days. The pupils tried new exciting ecological applications during the workshop in which different activities were realized every new day such as terrarium, sun bug and seed bomb, they also had the opportunity to develop their skills and learn by experiencing.



Conference “We are not the same”

[Lithuania]



On January 30, 2017, the students of 6-7th grades that take part in the international ELIT project held the conference whose topic was “We are not the same...” The conference focused on group working and preparing a presentation comparing two countries. The topics varied from wedding traditions in Lithuania and Portugal to predominant superstitions in Lithuania and Romania to dishes in Lithuania and Cyprus to traditions of giving presents in Lithuania and Turkey to free time activities of young people in Lithuania and Croatia. Particular attention was paid to the content, design and information presented in the slides as well as the very presentation since a week ago the students were advised on how to properly prepare and give a presentation to engage the audience.

The meeting was a great success. Students’ ingenuity and imagination were boundless. All the presentations were incredibly interesting.

The students not only presented interesting facts on a certain topic, but also prepared some exciting tasks, questions and games. Students who answered correctly were given prizes. Laughter and positive emotions filled the classroom.



National Lesson- Conference "Eco Ideas For Lithuania 2017" in Prezidento Valdo Adamkaus Gymnasium

[Lithuania]

On 20 April 2017, determination to preserve the environment joined together both students and the members of Lithuanian Parliament who had gathered in the national lesson-conference "Eco Ideas for Lithuania 2017", traditionally organized by Prezidento Valdo Adamkus Gymnasium, the founder and coordinator of ECO Schools Network in Lithuania and the first Lithuanian educational institution that decided to implement environmental education and environmental technology concept.



More than five hundred participants took part in the eco ideas fair. Senior students of the gymnasium presented their created and published books, medicinal plants and made healthy smoothies, while the primary students fascinated everyone presenting the benefits of pumpkin and carrot chips, aloe vera and herbal plants to the event guests, i.e. Chancellor of the Ministry of Education, Tomas Daukantas, Vice-Minister of the Ministry of Environment, Martynas Norbutas.

Plant Exchange Fair, which was also presented in the competition "Kuriame Lietuvą!" (We Create Lithuania Ourselves) gave people a lot of positive emotions as well. Both the organizers of the event and the guests from all over Lithuania had the opportunity to exchange their plants, and the bravest ones were offered the chance to check their knowledge and win their favourite plant. The visitors admitted that plant exchange not only is an opportunity to improve the interior or home environment, but also to share positivity and joyful spring mood.



Conference: “Development of the environmental awareness of children through good practice in schools”

[Cyprus]

The conference took place on Tuesday 21/2/2017 at Gymnasio Apostolou Pavlou, Paphos.

Program:

- “Everything that I should have seen...”
 - Poem: Giagkos Giagkou
 - Music: Marinos Neophytou
 - Recital: Elena Dometiou, Areti Markou, Giagkos Giagkou
- Greeting from Maria Theofanous, Headmaster
- Greeting from Stelios Theofilou, Paphos District Inspector for Secondary Education
- “Cyprus bird fauna”
 - Presentation by Savvas Iezekiil, Paphos District Officer for Department of Forests
- “Environmental threats and environmental education”
 - Presentation by Mr. Andreas Chrysanthous, Administrator of Episkopi Environmental Centre
- School Presentations
 - Gymnasium of Agios Theodoros
 - Gymnasium of Theoskepasti
 - Nikolaidio Gymnasio
 - Gymnasium of Polis Chrysochous
 - Gymnasium Apostolou Pavlou
- Reception - Music from school choir
- Tree planting



More photos:

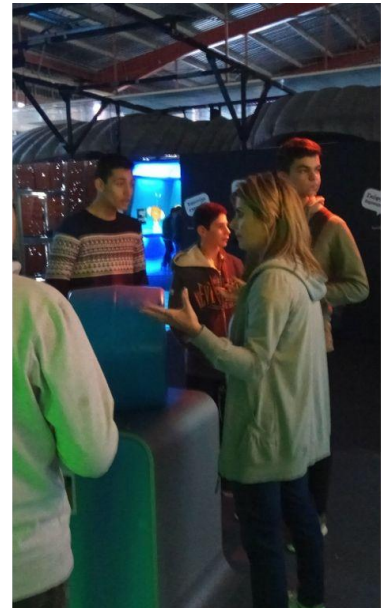


Your Planet Needs You!

[Cyprus]

The Exhibition "**Your Planet Needs You!**" is an interactive exhibition for the whole family. It was first presented on London's Science Museum and then began its world tour. Our school visited the exhibition on **30/11/2017**. It focuses in some of the most important contemporary issues, like worldwide reduction of natural resources, climate changes and the need for citizenship activation for a sustainable future.

While the visitors walk through the exhibition, they take part into interactive games that aim to entice them into issues and problems that concern the creation of a sustainable future. The visitors are given digital 'survival card' where their decisions are inscribed. For example, visitors are called to design their future houses and decide what types of energy they would need to use in order to power them.



Inter-county expert meeting “EU projects at schools”

[Croatia]

On 9th January 2017 at the Technology Innovation Centre Međimurje in Čakovec an intercounty expert meeting was held for ICT teachers in primary and secondary schools from the City of Zagreb, Zagreb County, Karlovac County, Krapina-Zagorje County, Varaždin County and Međimurje County.

The meeting named EU Projects at Schools was organized by the Education and Teacher Training Agency and led by advisor Saida Deljac.



At the meeting, the speakers Janja Banić, headmistress of the First Grammar School Varaždin; Kristinka Blažeka, Technical School Čakovec; Marijan Horvat, Technical School Čakovec; Tina Čerpinko, Nina Prašnjak, Mario Stančić, headmaster 6th Primary School Varaždin; Tamara Vidović and Tea Horvatić, Primary School Strahoninec and Ivana Ružić, 1st Primary School Čakovec presented the EU projects realized at their institutions from the initial idea to realization, evaluation and reception of projects' final reports, personal experiences and examples of good practice. Besides the exchange of experiences, the meeting was a good opportunity for development of new ideas and

partnerships in future projects, strengthening the educational community in the field of international projects realization.



1st Primary School Čakovec was presented as one of the leading schools in the area in the number of implemented international project, and the projects specially presented were: Safety and mobility for all, Scientix, EU Code Week, eTwinning, Erasmus+ European Goodwill Cup, Keep Invest Donate Spend and Ecological Literacy.

A meeting of this kind was held for the first time in this area. Around eighty participants who were very actively and with great interest participating in the work of the meeting confirm the importance, interest and need of educational community for such type of training. We thank the Technology Innovation Centre Međimurje, particularly

to gentlemen Ivan Plačko and Goran Levačić for their welcome and help in organizing the meeting on their location.

http://os-prva-ck.skole.hr/projekti/ecological_literacy?news_hk=5774&news_id=2035&mshow=1353#mod_news

ELIT presented at an expert meeting of school librarians

[Croatia]

Dubravka Kečkeš, school pedagogue and Ivana Ružić, ICT teacher on 2nd December 2016 presented the Erasmus+ project Ecological Literacy at an expert meeting of school librarians in Međimurje County at Josip Štolcer Slavenski Grammar School in Čakovec.



They introduced the participants to the project, project partners, the role of our school in the project, the planned activities and project outcomes. The presented activities which are part of the project include: illustration of bags, creating eco pictures, films, posters, postcards, celebration of the world Apple Day, International Day for the Preservation of the Ozone Layer, European In town, without my car! initiative, etc.



We presented the role and importance of projects in the development of digital competences, linguistic competences and lifelong learning competences of pupils and teachers. Also, the work on a project contributes to development of creativity and innovation, cooperation, responsibility, taking initiative, developing experiential learning, transfer of knowledge, critical thinking, metacongition and nonconformity.

http://os-prva-ck.skole.hr/projekti/ecological_literacy?news_hk=5774&news_id=2004&mshow=1353#mod_news

ELIT on International Conference Mipro 2017

[Croatia]

Each year the last week in May the International meeting for information and communication technology, electronics and microelectronic called Mipro takes place. On the meeting, leading experts from the ICT field, economy and education regularly exchange experiences and announce new trends. This is the largest international meeting in our region in which over thousand instructors present their professional work and science papers from thirty countries throughout the world.

On Mipro 2017, Ivana Ružić, ICT teacher and our school's Erasmus+ KA219 project coordinator, introduced her projects, goals, activity, results and the importance of this kind of school, local, educational and international community cooperation with emphasis on the use of modern ICT (3D modeling and printing, robotics, web 2.0 tools, online tools for cooperation and collaborative learning, e-portfolio etc.)

Learning in a fun way with Osmo in the First Primary School Čakovec

First Primary School Čakovec, the largest and oldest school in Međimurje, is also one of the leading Croatian schools in the application of information communication technology in teaching. One of the first twenty e-schools in Croatia and among the few schools in Croatia for the fourth year in a row actively using the iPad lab in teaching. For success on the way to become the school for the 21 century, teachers who readily accept new challenges with the support of the headmaster Siniša Stričak are most precious. A dozen teachers are continually improving applying technology in a contemporary and innovative manner enriching the teaching process with cutting edge add-ons, robots and other similar devices. Last month, teachers participated in a training on how to use Osmo in teaching. The equipment and training were acquired from the European Union program in partnership with partner schools across Europe by exchanging experiences and building close cooperation with a common goal: changing education for future occupations of our students on sound foundations of interculturality and cooperation. From this school year, the iPad lab of First Primary School Čakovec was enriched with clever additions of Osmo. Osmo is a globally rewarded educational game learning system that changes learning, allowing students to interact with iPad and iPhone using wooden or plastic inserts, letterhead and number cards, or plain paper. Osmo consists of several packages for learning content from programming, maths, languages and all other areas, depending on the imagination of the teacher. Set Coding Awbie uses practical physical blocks to control Awbie, a playable character that likes tasty strawberries. Each block is a coding command that directs Awbie to a marvelous avocado adventure, and develops algorithmic thinking, logic, and problem-solving skills for students. Numbers is a set that enables math skills to be learned by adding, counting, and multiplying printed numbers to hit numbers in bubbles. By dialing the number in the bubble, the student will release the fish and allow it to enter the sea. With the Masterpiece application, students are enabled to develop drawing skills and artistic expression. Masterpiece turns the selected image into lines to follow, helping to create beautiful drawings. Also, Masterpiece enables proper learning of writing and writing letters to younger students. The Newton application encourages creative problem-solving skills by using any object from the environment or by using paper and a marker, by simply placing the object/drawing in front of the screen, the student manages the content on the tablet and manages certain beads in the target zone. Tangram is an application that promotes spatial relational abilities, citing pupils that with the help of wooden dice fit the default shapes and is popularly referred to as "brain fitness". With the Words app, students learn the spelling and critical thinking skills. What is the educational value of each app/game? Osmo encourages learning in key areas such as: creative problem solving, art, STEM (science, technology, engineering and

math) and collaborative learning development. Pupils are enabled to develop digital skills but also to acquire knowledge, skills, development of skills and attitudes from almost all areas using research, creation and collaboration methods. The acquisition of the device is funded by the Erasmus+ program implemented by our school in order to develop the creativity of innovation in teaching and exchange of experiences with foreign partners.

Assistant Minister of Science and Education, Mrs. Lidija Kralj visited First Primary School Čakovec

On Friday, October 6, First Primary School Čakovec officially marked the start of the European Programming Week. On that occasion, the school was visited by Mrs. Lidija Kralj, Assistant Minister of Science and Education to the Minister Mrs. Blaženka Divjak. The guests were welcomed by Ivana Ružić, the IT teacher and the EU Code Week representative for the Republic of Croatia, Boris Jeđud, a teacher and the school board president, Branko Vujnović, technical culture teacher. Mrs. Kralj met the students, and toured the school and the latest ICT equipment that had been acquired this school year. First Primary School Čakovec is the first Croatian school in Croatia to use Osmo and Ozobot in teaching, thus enabling students to acquire knowledge and skills from almost all subjects in a fun and innovative way. Osmo is a globally award-winning educational game learning system that changes learning, allowing students to interact with iPad and iPhone using wood or plastic inserts, letterhead and number cards or plain paper. Osmo consists of several packages for learning content from programming, math, languages and all other areas, depending on the imagination of the teacher.

Pocket Robot, Ozobot, is a tiny robot that can be programmed by students in lines in different colors, in a visual block editor OzoBlockly. It's a small 2.5cm high tool that can track lines, react to colors, change speeds, make decisions and communicate with users. Robots for reading digital screens and other surfaces use light sensors. Ozobot is designed to work on tablet and smartphone displays, as well as on areas that do not emit light, such as paper.



The students presented entertainment devices and ways of working on them, and presented their creativity through 3D modeling and printing using 3D printers and 3D pens. 3D printing encourages creativity and innovation by allowing each student to study and research their idea or concept in physical, real space. Also, 3D printing nurtures and encourages different approaches to learning - visual as it involves sketching, designing and modeling certain 3D objects; kinesthetic because it implies a specific manual work; logical (mathematical) because it involves researching and

solving certain problems; social, because it involves exchanging ideas, approaches and solutions; constructivist because it promotes the planning and design of new ideas and concepts through critical thinking. We presented to Mrs. Lidija Kralj the projects, actions and initiatives that have been implemented for many years in the largest and the oldest school in Međimurje: The Most-Action of the City of Čakovec, Erasmus + Smarter ... Greener ... Safer ..., Ecological Literacy, Young Entrepreneurs in Action. The celebration and the event were conveniently marked by cutting #code EU cakes.

Seminar on the International Day of Peace

[Portugal]

The pupils and teachers of our school developed new activities. Among the most important of them was the celebration of the International Day of Peace. Because together we build a better world (the pupils wore white shirts, meaning the light in the world) and also colorful ones, a symbol of union among peoples) to celebrate this important date. Peace rules the world. It's so good to see that the teachers' children can get to work with our pupils. It's good when we all learn. A seminar was followed by a fantastic class, full of math, good times and lots of learning. Besides, our activities were presented in a new magazine.



Our teacher, Cidália Marques had the courage to propose it and the capacity to coordinate it. We had another school assembly and one more challenge for our pupils. The rules of the negotiation were built by pupils, applied by them and discussed among pupils. With this they gained autonomy, responsibility and cooperation, working all the areas and growing up together. Space and art were in action in our gifted pupils' activities. When everything was ready, we leave the votes of an excellent school year for all. Our teacher, Cristina Lima presented us her fabulous work.



Paulo Almeida, headmaster,

Agrupamento de Escolas Fernando Casimiro Pereira da Silva

Seminar on the Health Communication

Resident in Cascais, but natural from Rio Major, Carla Marina Mendes was born in March 1975. with a degree in "Communications Science" by the new university of Lisbon and a post-graduate in "Health communication". Over 19 years of experience, and having been through different

publications, she specialized in the area of health journalism. She won the "Journalism Award" in 2012; the "rights of children in news" Award (with an article written in conjunction with journalist and writer Isabel Stilwell) in 2014; and the "Global Coalition" prize in 2015.



The current mother of a boy is concerned about the National Education System. "The Right School for Your Son", is her first book. It makes a relevant analysis of the current national landscape presenting examples of different pedagogies such as Waldorf, high scope, modern school movement or domestic education. More than a book presentation, the author proposed an exchange of ideas. It was an interesting conversation at the Municipal Library for our Erasmus+ team.



**Anabela Brigida, Erasmus+ school coordinator,
Agrupamento de Escolas Fernando Casimiro Pereira da Silva**

More photos:



