



Erasmus+



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# Analysis of survey done after the first stage “STEM+A\_Science VIEW” by all countries of project “STEM+A around us”



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# Number of participants:

COUNTRY	STUDENTS			TEACHERS
	TOTAL	BOYS	GIRLS	
SPAIN	10	4	6	3
TURKEY	11	6	5	6
POLAND	10	5	5	2
BULGARIA	25	10	15	5
ITALY	20	6	14	6
HUNGARY	12	5	7	4

# Improving language skills- conclusions:

POLAND



All of students were very satisfied with the activities. They think that the level of English was very high, and that they improve their communication using foreign language. By participating in the project they became more independent and open-minded.

## conclusion:

The result of the observation shows that some students were active and brave to speak English. The improvement of the students' speaking skills can also be seen on their abilities to correct their mistakes in pronouncing some words in English and reduce the use of their native language in different discussion.

# Improving language skills- conclusions: Bulgaria



- All the students think that by taking part in Erasmus project they developed their language skills in English, especially oral communication skill and they are more self confident in speaking.
- In their opinion their level of communication in English with foreign project students was very good.
- **Conclusion:**•Students are satisfied with the level of English used at the project. They liked the activities with communication between students. The students that have been host families had the chance to use and improve their language skills in real situation outside the classroom and they are very satisfied. It's good to have more activities connected with the oral communication between the students from the countries in the project.

# Improving language skills- conclusions:

Italy



To participate in Erasmus project gave the students the opportunity to improve their language skills in English, especially speaking skills.

- **Conclusion:** Students who traveled had the chance to develop the language skills in real situation. It's really necessary to have more activities among students coming from other countries.

# Improving language skills- conclusions: Turkey



- According to students they achieved high level in communication with foreign peers.
- 60% think they improved the skills in creating written texts.
- In the previous stage of the project, our students were more insecure, but communication encouraged them to be better.

## Conclusion:

Students are satisfied with the level of English used at the project.  
it's really necessary to give students more opportunities to interact with each other.

# Improving language skills- conclusions:

Hungary



Many students do not dare to speak English because they are afraid of making mistakes

**Conclusion:** In English lessons, kids need to talk more. We will take this into account in the future

# Improving STEM+A skills- conclusions:

## Spain



- 100% students think that their participation in Erasmus project helped them to develop their STEM skills.
- Almost 10% think ENGEENERING was the skill they developed the most. IN Spain they don't have this subject so they haven't got too much knowledge about it.

### Conclusion:

- They like work STEM but they don't use to identify ENGEENERING in the activities. They loved pasta bridge activity.
- They think they improved their STEM and the project helped them to know about ENGEENERING skills and they like it.



# Improving STEM+A skills- conclusions:

## POLAND



- 100% of respondents stated that all activities and cooperation with their friends helped them to improve their STEM skills.
- Especially, nearly 50 % think that they made a progress in Science and Maths. What's more, they claimed that they are more interested in those two subjects.

### conclusion:

Teaching Science and Maths in different way made students more motivated in learning. They started to be more creative and engaged.

# Improving STEM+A skills- conclusions: Bulgaria



- All students think that their participation in Erasmus project helped them to develop their STEM skills especially in the field of Engineering.
- Some of the tasks connected with Engineering were new for them so they have the chance to develop their Engineering and Technology skills the most.
- The most difficult was constructing a Model plane activity but they enjoy it a lot.
- **conclusion:** The students liked the STEM activities and developed their skills in Engineering, Art and Science.

# Improving STEM+A skills- conclusions:

Italy



The participation in the Erasmus project helped the students to develop their STEM skills, above all the ones connected with Engineering. They loved pasta bridge activity.

- Conclusions: The STEM activities done during the project developed their skills in Engineering, Science and Art.

# Improving STEM+A skills- conclusions: Turkey



- The participation in the Erasmus project helped the students to develop their STEM skills, above all the ones connected with Engineering.
- They loved pasta bridge and modal plane activities too much.

## conclusion:

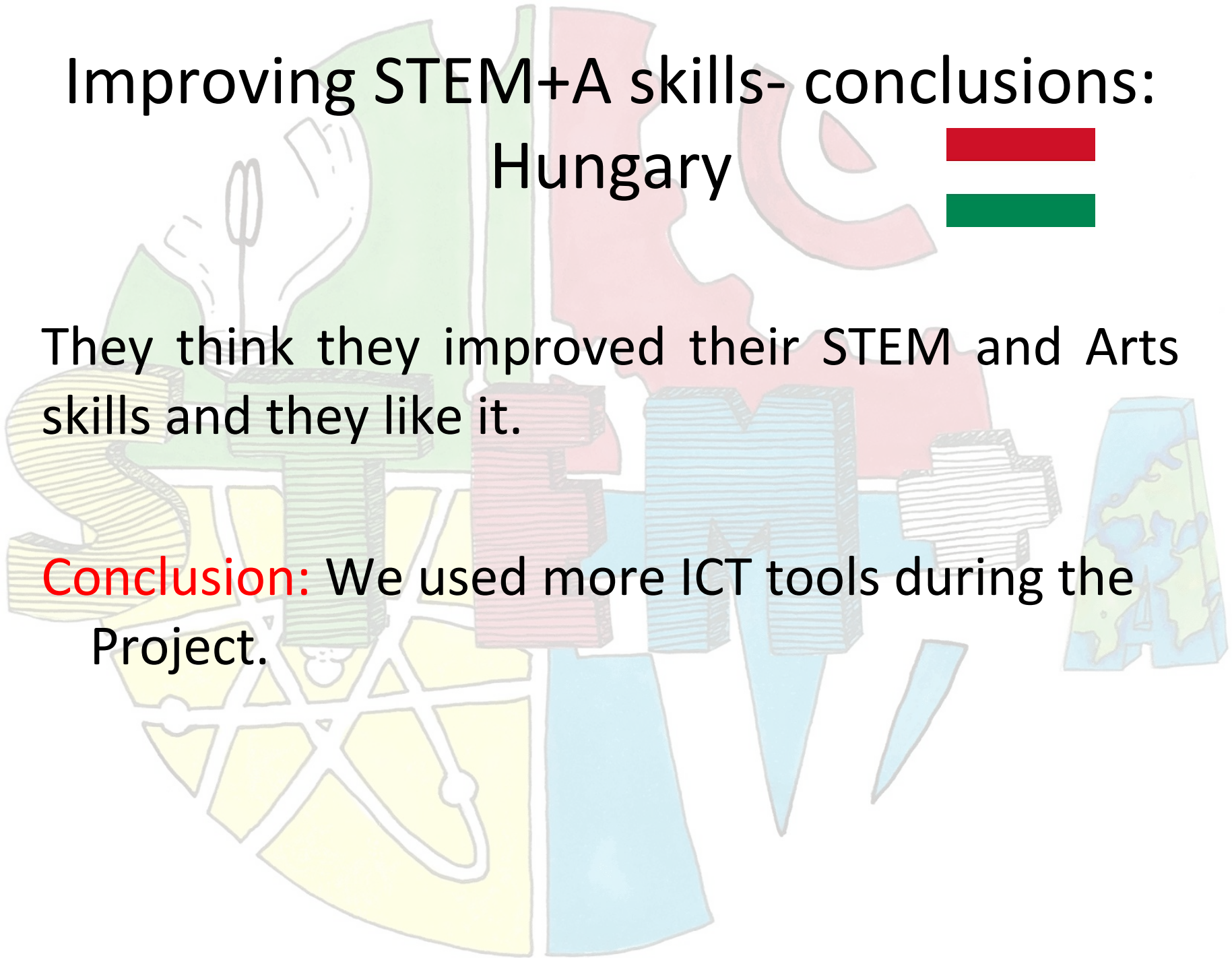
Turkish students liked the STEM activities and developed their skills in Engineering, Art and Science.

# Improving STEM+A skills- conclusions: Hungary



They think they improved their STEM and Arts skills and they like it.

**Conclusion:** We used more ICT tools during the Project.



# Improving ICT skills- conclusions: Spain



- Most of students think they improved their ICT skills during the Project and they like it.
- They used different ICT tools and enjoyed a lot with them.

## Conclusion:

- We will use more ICT tools during the Project.

# Improving ICT skills- conclusions:

POLAND



Most of the students really enjoyed using ICT in the class. Definitely teachers should use more tools during their classes.

**conclusion:**

After each stage students as well as teachers become more motivated in using ICT in the class.

# Improving ICT skills- conclusions: Bulgaria



- Most of the students think that they have improved their ICT skill during the activities.
- They used different ICT tools and some of them were new for them. They enjoyed the activities and gained new knowledge.

**conclusion:** After each stage of the project our students become more self confident and motivated in ICT activities. It will be good for the students to use more and various ICT aps during the project tasks.



# Improving ICT skills- conclusions:

## Italy



Most of the students improved their ICT skills during the activities. Some of the ICT tools used during the activities were new for them and it was a chance to gain new knowledge in the field of ICT.

- Conclusions: It will be good to use more ICT tools because it will help the students to become more self confident in this kind of activity

# Improving ICT skills- conclusions: Turkey



- According to students they achieved high level ICT skills in the project
- At the end of project, they could use ICT tools better than before
- They found ICT activities very interesting.

## conclusion:

- Students should keep practising applications and improve their skills in also new ICT tools.

# Improving ICT skills- conclusions:

Hungary



Before project they did not know most of ITC tools used in the project.

**conclusion:** Students should keep practising applications and improve their skills in also new ICT tools.

# Improving social and cultural skills- conclusions:

## Spain



- Most of students did the activities in groups or pairs. They enjoyed working together.
- They used to decided what to do everybody voluntarily or in negotiation way. This is very important because they are learning for future and for group work at schooll, university and their life.
- They use to solve problems talking and discussing and this is great for their future.
- The atmosphere during the project activities was good or very good (100% enjoyed the activities).

### Conclusion:

- Project work is very important to improve social and cultural skills.
- Students who traveled enjoyed a lot because they had the chance to meet different people with different cultures.

# Improving social and cultural skills- conclusions:

## POLAND



- All of students were involved and comfortable with people from different cultures and backgrounds. In the class, they worked effectively in pairs, preparing brain-storing maps and conclusions. They took part in discussions. 100% of students who were involved in the project really liked activities

### conclusion:

For students who had a chance of travelling, participating in the project was an excellent adventure. They met a lot of new people and learnt a lot about other countries and nationalities.

# Improving social and cultural skills- conclusions:

## Bulgaria



- During the activities the students worked mostly in groups and pairs.
- They took decisions voluntarily and in a negotiation way. Even though all the student have the chance to express their own ideas and abilities. They solve problems by discussions .
- The students think that the atmosphere during the project work was very good.

**conclusion:** During the meeting in Bulgaria more Bulgarian students have the chance to take part in it and to communicate with their foreign friends, It was a great experience for them. They learned more about the other countries and culture.

# Improving social and cultural skills- conclusions:

## Italy



- The activities were carried out in pairs or in groups. The decisions were taken voluntarily or in a negotiation way. The atmosphere during the project was very good.
- **conclusion:** Students who travelled liked it a lot because it was a chance to communicate with people coming from other countries.

# Improving social and cultural skills- conclusions: Turkey



- By working in pairs or groups, students improved their social skills.
- The students learnt how to collaborate with peers effectively.
- They became aware of the importance of cooperation

## conclusion:

- Working in groups , cooperation makes a big contribution to improving social skills.
- It is a great experience for students to meet foreign students and learn more about their cultures.



Improving social and cultural skills- conclusions:

Hungary



They met a lot of new people and learnt a lot about other countries and nationalities.

**Conclusion:** Our students improved their social skills.



# General questions:

## Spain



- 100% students enjoyed the activities.
- They want to know lots of things about ENGEENERING and different cultures.
- Pasta bridge activity was the most valorated activity. Constructing a model plane was, in their opinión, the worst activity.
- Trip and activities with students from different countries was the most valorated. They love the competition activities.

### Conclusion:

- They like all the activities
- They like the contact with students from other countries. So it is necessary to strengthen the peer relationships of the different countries, through more reading texts, more skype and this activities with students from other countries.

# General questions:

POLAND



- 100% of Students who took part in the Erasmus Programme were satisfied with all activities
- They especially enjoyed using Maths, ICT in the online activities and websites which they hadn't known before

## conclusion:

All the students definitely gained broad knowledge about Maths, Art, Science and using ICT. They improved their communication, language and intercultural skills. For sure, they will participate in Erasmus programme again.

# General questions: Bulgaria



- All students liked the project meeting very much. They think it is interesting, motivating and involving.
- Most of them think that due to project they develop their passions and hobby, the most interesting are Engineering, ICT and Technology activities. Students definitely gained knowledge about project countries and culture. And improved their language skills in English mostly in oral communication.

**conclusion:** The students liked all the activities. They enjoyed the most the communication with their friends from the different countries. We must think about more tasks and activities connected with oral communication.

# General questions:

## Italy



- Students liked all the activities and found them involving. Thanks to the project they could develop their passions. They found the activities related to Engineering and ICT the most interesting. All the students improved language skills in English.
- **conclusions:** It is important to strengthen the relationship among the countries, using tasks connected with oral communication.

# General questions: Turkey



- All students liked the project meeting very much. They think it is interesting, motivating and involving.
- They found the activities related to Engineering and ICT the most interesting.
- Students are very interested in communication with other foreign students

## conclusion:

- We should motivate and encourage more students to participate actively in the activities and task

General questions:

Hungary



All students liked the project meeting very much.

**conclusion:** During the trip, the students met many friends. They have been holding it ever since they met until now.

# Level of students' satisfaction:

## Spain



- The students valorated their participation in the project between very good and excelent.
- So level of student's satisfaction is very high.

### Conclusion:

- Spanish's students are really happy with the Project
- They are enjoying and learning.



# Level of students satisfaction:

POLAND



All participants really like activities during the Erasmus programme. They love to travel to other countries. They have gained a lot of new knowledge, friends from all over the world, and memories that cannot be put into words. It is definitely a guide for their further personal and career development.

## conclusion:

The students are grateful that they could participate in the project.

# Level of students' satisfaction:

## Bulgaria



- All the students think that their level of participation in the Project was very good and high. They worked enthusiastically and enjoyed the activities. All of them want to participate in another Erasmus Project.

**conclusion:** Bulgarian students enjoyed the activities. They found them interesting and motivating. They improved their skills and gain new knowledge in Engineering, Art, Maths, ICT and English.

# Level of students' satisfaction:

Italy



- All the students were really satisfied with the project. They enjoyed all the activities and worked in an enthusiastic way.
- **conclusions:** Italian students gained new knowledge in Engineering, Science, Maths, ICT and English and they would like to take part in another Erasmus project.

# Level of students satisfaction: Turkey



- All the students think that their level of participation in the Project was very good and high.
- Students were eager to work and learn
- They worked enthusiastic and enjoyed the activities.

## conclusion:

- Turkish students gained new knowledge in Science ,Engineering, Maths, ICT, Art and developed their language skills. So, they are eager to take part in another Erasmus project.

# Level of students satisfaction:

Hungary



All students liked the project meeting and all programs very much.

## conclusion:

Our students were very interested in all kind of activities. They enjoyed sharing time with other students from the school and from other countries.

# INFORMATION COLLECTED BY

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