



LearnSTEM

Innovative Model of learning STEM in secondary schools

**Second LearnSTEM transnational partner meeting
in Germany, Paderborn**

The LearnSTEM – Development-Conference!

29th - 31th of August 2023

Evaluation Report

Project Title: Innovative Model of learning STEM in secondary schools

Acronym: LearnSTEM

Reference number: 2022-1-TR01-KA220-SCH-000087583

Project partners:

- P1 Necmettin Erbakan Üniversitesi, Türkiye
- P2 Universität Paderborn, Lehrstuhl Wirtschaftspädagogik II, Germany
- P3 Ingenious Knowledge GmbH, Germany
- P4 IEK Kavalas, Greece
- P5 EURO-NET, Italy
- P5 Liceul Tehnologic "Haralamb Vasiliu", Romania
- P6 Yusuf Demir Bilim ve Sanat Merkezi, Türkiye
- P7 AHI Evran Anadolu Lisesi

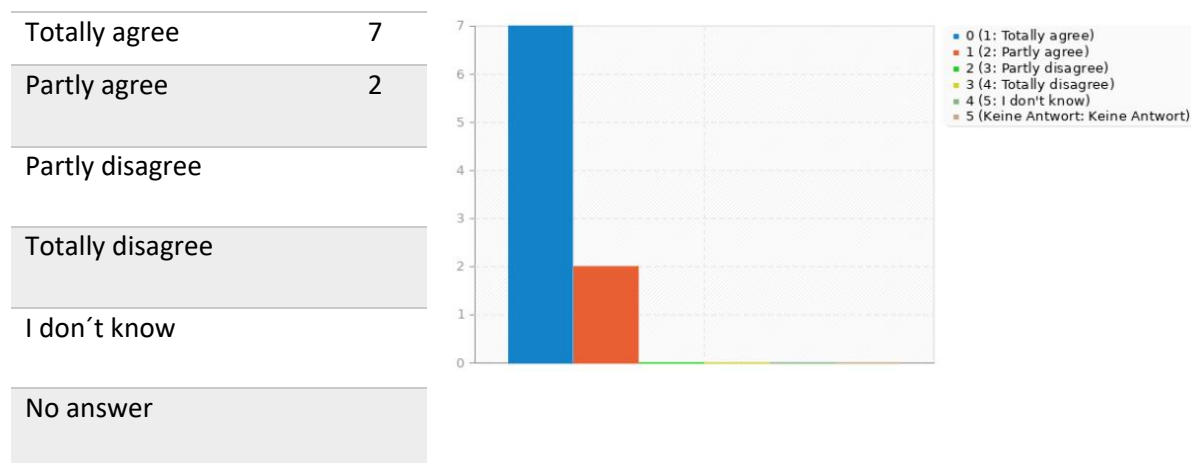
Host: *University Paderborn*

Venue: *Warburger Str. 100, 33098 Paderborn, Q-Building, Germany*

TPM2 – Evaluation Report

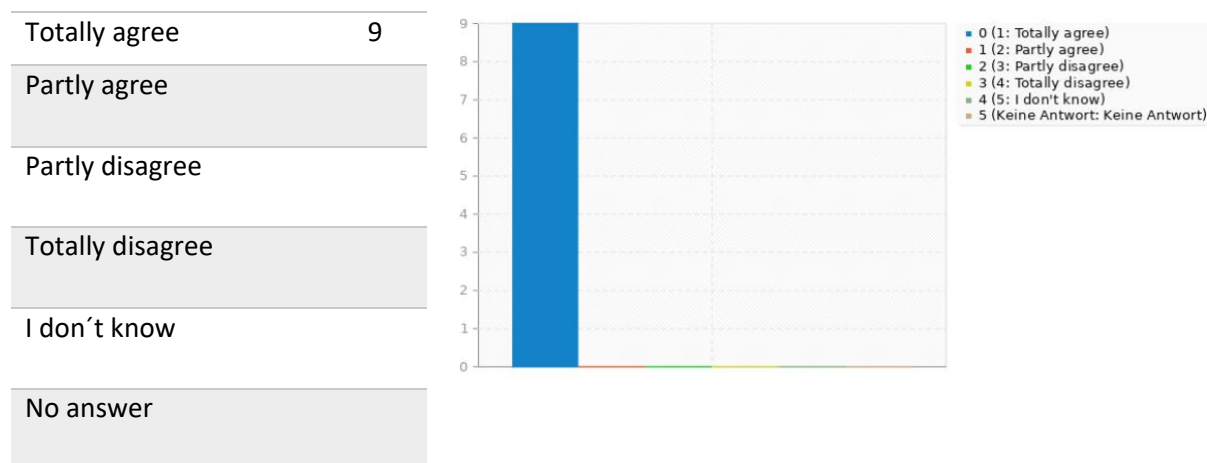
N = 10

Q1: The conference lived up to my expectations.



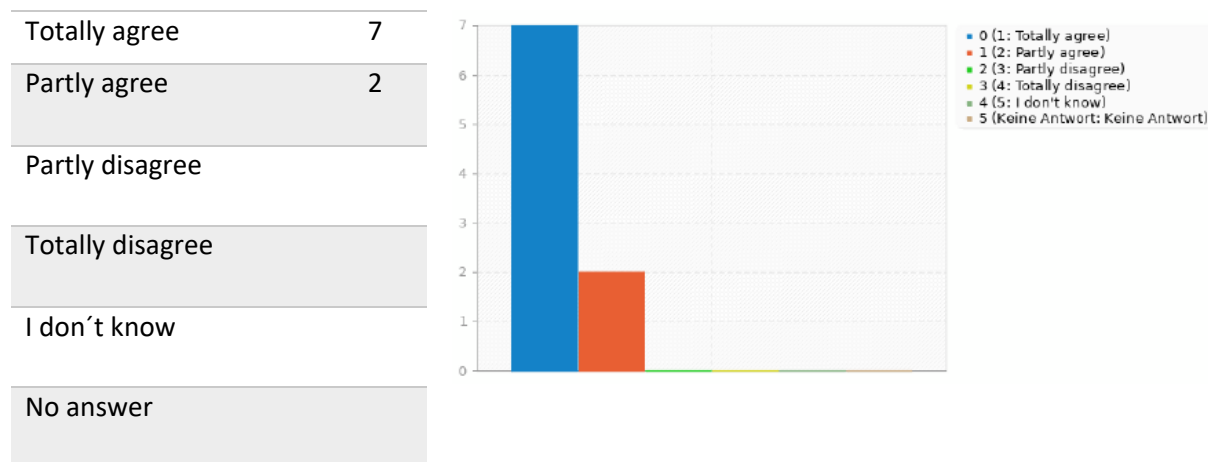
7 of 10 people totally agree and 2 of 10 partly agree that the conference lived up to their expectations. 1 person hasn't answered the question.

Q2: The conference objectives were clear to me.



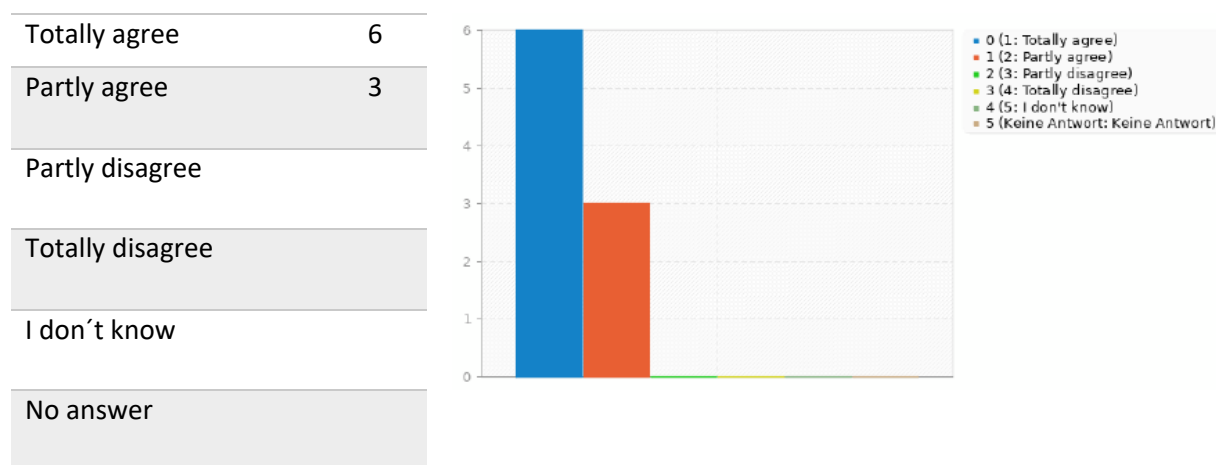
9 of 10 people totally agree that the conference objectives were clear to them. 1 person hasn't answered the question.

Q3: The difficulty level of this conference was appropriate.



7 of 10 people totally agree and 2 of 10 partly agree that the difficulty level of this conference was appropriate. 1 person hasn't answered the question.

Q4: The conference contents were presented in an engaging way.



6 of 10 people totally agree and 3 of 10 people partly agree that the conference contents were presented in an engaging way. 1 person hasn't answered the question.

Q5: The conference was interesting.

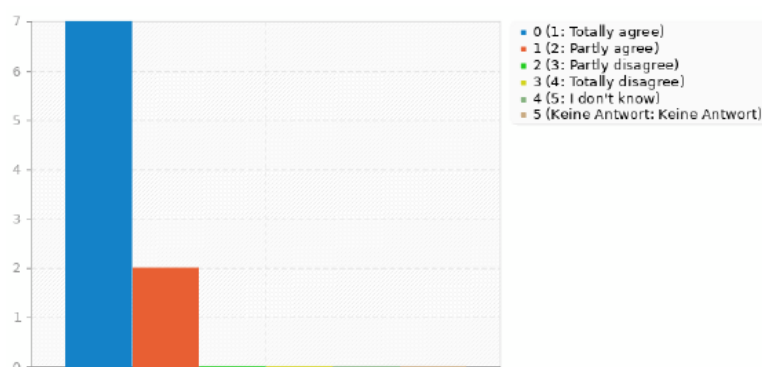
Totally agree	7
Partly agree	2
Partly disagree	
Totally disagree	
I don't know	
No answer	



7 of 10 people totally agree and 2 of 10 people partly agree that the conference was interesting. 1 person hasn't answered the question.

Q6: The conference was well prepared.

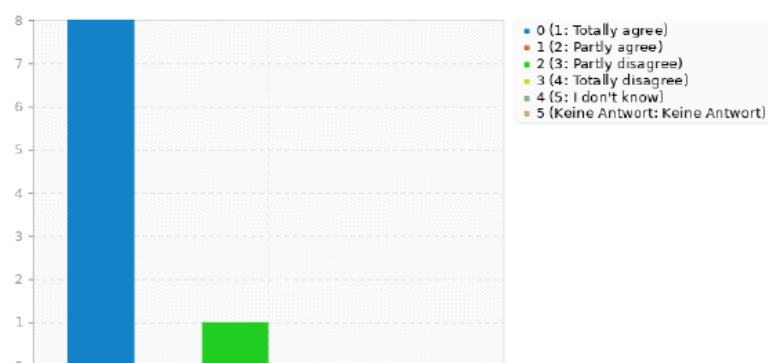
Totally agree	7
Partly agree	2
Partly disagree	
Totally disagree	
I don't know	
No answer	



7 of 10 people totally agree and 2 of 10 people partly agree that the conference was well prepared. 1 person hasn't answered the question.

Q7: The coordination was helpful.

Totally agree	8
Partly agree	
Partly disagree	1
Totally disagree	
I don't know	
No answer	



8 of 10 people totally agree and 1 of 10 partly disagrees that the coordination was helpful. 1 person hasn't answered the question.

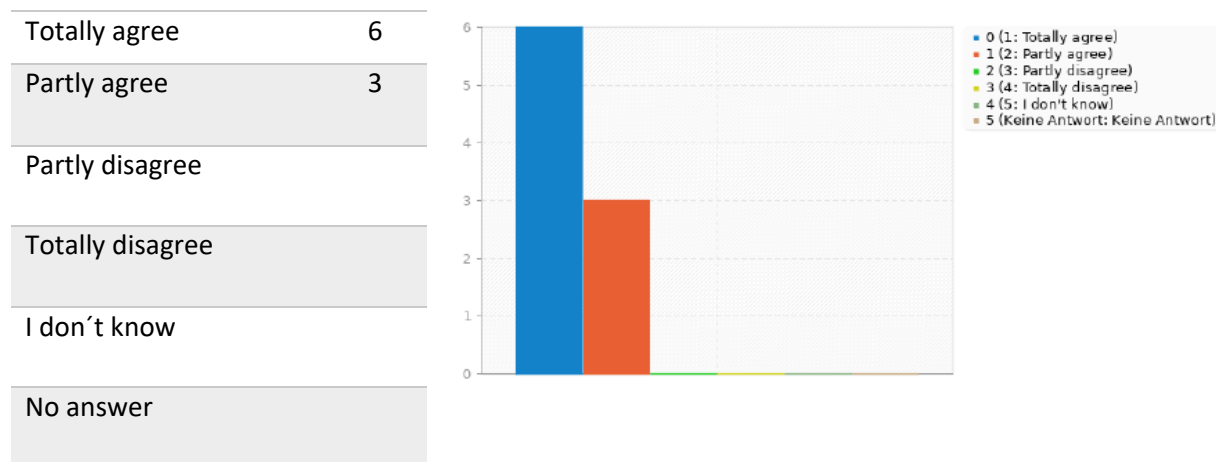
Q8: Overall, I am happy with the conference results.

Totally agree	7
Partly agree	2
Partly disagree	
Totally disagree	
I don't know	
No answer	



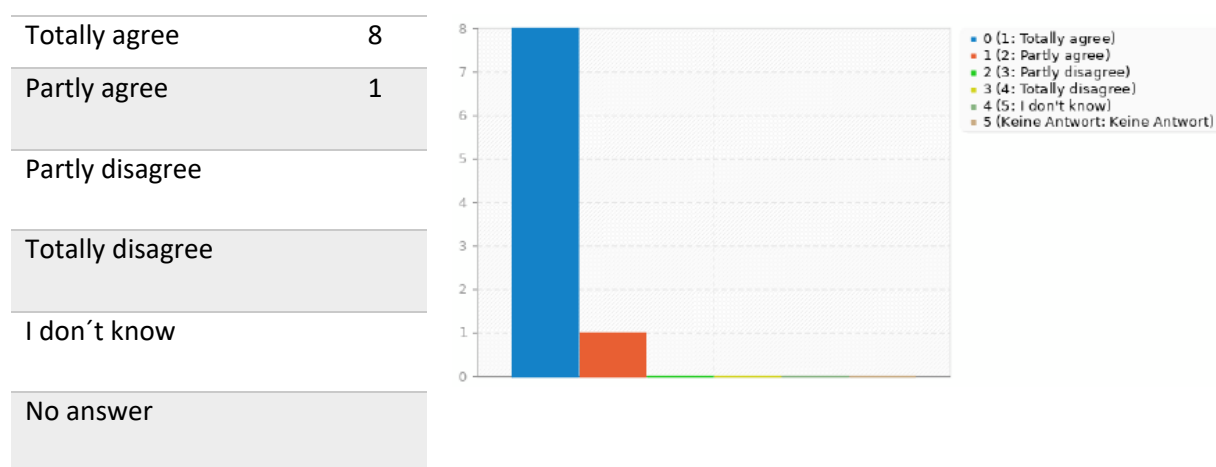
7 of 10 people totally agree and 2 of 10 people partly agree that they are happy with the conference results overall. 1 person hasn't answered the question.

Q9: I have a clear picture now of the projects' next steps.



6 of 10 people totally agree and 3 of 10 people partly agree that they have a clear picture now of the projects' next steps. 1 person hasn't answered the question.

Q10: I know what my tasks for the upcoming period are.



8 of 10 people totally agree and 1 of 10 people partly agrees that they know what their tasks for the upcoming period are. 1 person hasn't answered the question.

Q11: Do you have any concerns regarding the development process in the project so far?

Yes	1
No	8
Comments	"-"

8 of 10 people don't have any concerns regarding the development process in the project so far. 1 of 10 people does have concerns regarding the development process in the project so far. 1 person hasn't answered the question.

One comment states: "-"

Q12: Do you have any concerns with the quality of the management or collaboration of the project so far?

Yes	1
No	8
Comments	"-"

8 of 10 people don't have any concerns with the quality of the management or collaboration of the project so far. 1 of 10 people does have concerns with the quality of the management or collaboration of the project so far. 1 person hasn't answered the question.

One comment states: "-"

Q13: What would you like to suggest for the future cooperation / communication in the project?

Answers	8
No answers	1

Comments „online meetings on a regular basis can be done.”

“everything is fine”

“no thank you”

“So far, there is excellent coherence and co-operation between the coordinating organisation and the partners. I wish this to continue in the same way.”

“thank you”

“no”

“It is obvious that the project will contribute to the area. I believe that it would be useful to take the views of secondary teachers in the stakeholder countries.”

“For future cooperation and communication in your project, it's important to adopt practices that foster clear understanding, accountability, and efficiency among team members. Here are some suggestions:”

Q14: Please describe any Dissemination & Exploitation activities or measures you undertook so far related to the project.

Answers 7

No
answers 1

Comment „Sharing the project news regularly in the institution website, Posting on social media, Press releases in the local news”

“Kırşehir Ahi Evran Anadolu Lisesi

1. At the beginning of the project, we agreed upon the project work plan including the exact deadlines for the main project activities and results.

2. We have Participated to 3 online meetings before the kick off meeting.

On the virtual meetings the Coordinator made the action plan and the overall project work plan.

We defined an Action Plan for the next 12 months together.

3. The Coordinator NEU received the grant from the Agency and based on bilateral contracts distributed it to the partners' accordingly time management.

4. We have participated to 1ST Online Meeting Local online meeting with TR partners were held by NEU.

The first local meeting of our project was held today with the 'Online Meeting'.

5. The second online Project meeting was held by the whole partnes. All partners participated to the meetings.

6. Social Media Instagram account was published by Ahi Evran Anadolu Lisesi

<https://www.instagram.com/learn.stem/?igshid=NGVhN2U2NjQ0Yg%3D%3D>

also we contributed to the promotion of the dissemination activities of the project by following the project Instagram and Facebook page, and also ask our followers to follow these pages and also the websites of the project. One is created by Euro-Net and the other by Paderborn University.

<https://www.instagram.com/learn.stem?igsh=NW9vanB2Mm5zOW9t>

<https://www.facebook.com/profile.php?id=61551859486150>

<https://www.learnstem.eu/>

<https://learnstem.eduproject.eu>

7.1ST Project Leaflet was done by EURO NET.And It was translated into Local languages.

And we informed the teachers and pupils via this leaflet.

8-We held project presentation with our teachers and pupils.

9.Project 1st Newsletter was done by IK (After the first meeting)

We shared this newsletter with our teachers and pupils via whats app.

10.Project 1st Video by realized by the students of Ahi Evran Anadolu Lisesi

https://www.youtube.com/watch?v=dbhcOuP_70c&feature=youtu.be

11.The first Project meeting face to face was held on 24th to 27th of April 2023 in Konya, Turkey

We have Participated to the meeting with our 5 teachers.

https://www.instagram.com/p/Crt2C5gKqzH/?img_index=1

12 We participated to the Konya Scientific Museum with our teachers held by NEU.

<https://www.konyabilimmerkezi.com/>

13.We participated to the 2nd LearnSTEM TPM (29-31 August 2023) with 6 teachers.

It was held by Paderborn University,Germany

https://www.instagram.com/p/Cw1-qRbqRif/?img_index=1

Topic 4 Climate by Ahi Evran Anadolu Lisesi

We collected some learning resources and materials which already exist in their partner country concerning the Climate topic they are responsible for. We copied them into

https://drive.google.com/drive/folders/1-FyEV4RS2oOg_wj05RMrV5IrdV6WxZmp file

and provided them here also in our national language as well as in English language

14. .We established the Erasmus+ stem corner inside the school.

15. TÜBİTAK SCIENCE TALK was held by Dr. Lecturer Member Merdin DANIŞMAZ

On 22/ 11/ 2023 in our school Dr. Merdin DANIŞMAZ Faculty of Engineering and

Architecture / Mechanical Engineering

TOPICS:

1. STEM Jobs are the Future of Our Economy

2. STEM Teaches Critical Thinking and Innovation

3. STEM Classes Provide Unique Opportunities for Teamwork

4. A STEM Curriculum Helps Students Develop Project Management Skills

14. We as a school found the Good Practice Examples of Innovative STEM Learning in

Turkey and uploaded the document into the google drive.

https://drive.google.com/drive/folders/1FQB297LHt6a-2okJA7VKmM4J7ZS43_XR

<https://drive.google.com/drive/folders/11oA4dZWuY5LtlykX58vRbqJWLJVR3zAt>

15. We prepared The Importance of STEM in Educational contexts report.

16. We had written the report 'Existing learning resources and materials for the learning units (Climate' for TÜRKİYE' We collected some learning resources and materials which already exist in our country concerning the topic we are responsible for. Also we translated into our national language as well as in English language. Topic 4: Climate Ahi Evran Anadolu Lisesi (Türkiye)

17. We participated to the 3rd meeting in Kavala/ University.

Host: IEK Kavalas (Greece)

Date: 31. January 2024-02 February 2024

Venue: Kavala Library

Participants: 5 Participants

18. We prepared our topic related materials and learning units below:

- * Video about the experiment real part and video scribe part,
- * Presentation with the subject-related backgrounds
- * Interactive H5P- tasks
- * Additional Learning Materials and youtube videos

Topic 4 Climate Ahi Evran Anadolu Lisesi (Türkiye)

19. Learn STEM wants to define the needs of STEM teachers and to design a Teachers' Training Programme that will help to meet those needs. Therefore, Learn STEM conducts the surveys for teachers based on the scientific research. Learn STEM Surveys had already been done by Our school with 12 teachers. For Turkish form:

<https://docs.google.com/forms/d/e/1>

[FAIpQLSdIAUTRog6mU-5gKihkVTaRyLHEE1_rTsgD6rKg8t3PGI7XBQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdIAUTRog6mU-5gKihkVTaRyLHEE1_rTsgD6rKg8t3PGI7XBQ/viewform)

We collected data carrying out these forms and will report the results to NEU, the leading team in English by June 1, 2024.

20. As a school We filled 'Dissemination and Exploitation'

We downloaded the blank file and completed it with our dissemination activities and put it into drive folder of dissemination.

<https://docs.google.com/spreadsheets/d/18ZDjFgqJUUaldwSCWLovPkrSlw7qOTcq/edit?pli=1#gid=197746469>

<https://www.facebook.com/ali.erdem.56829>

<https://www.instagram.com/reel/C08elkjtAdv/>

<https://www.instagram.com/p/CyYvQJJqSdd/>

https://www.instagram.com/p/Cw-RXGVKAZs/?img_index=1

“It is especially important to keep the website up to date. In addition, all partners should show sensitivity to increase the number of followers on the project's Facebook and Instagram accounts.”

“11.November 2022 Facebook Our project was signed by Turkish National Agency

<https://www.facebook.com/ali.erdem.56829>

06 December 2022 Facebook Online meeting with the partners

<https://www.facebook.com/ali.erdem.56829>

31. Jan.2023 facebook Online meeting with the partners

<https://www.facebook.com/ali.erdem.56829>

07.April 2023 Facebook leaflet of the project

<https://www.facebook.com/ali.erdem.56829>

24 April 2023 facebook Konya meeting <https://www.facebook.com/ali.erdem.56829>

1-May-23 Facebook Konya meeting <https://www.facebook.com/ali.erdem.56829>

29. August 2023 Facebook STEM project meeting to Hannover

<https://www.facebook.com/ali.erdem.56829>

29.August 2023 Facebook "STEM" Project in Paderborn/Germany Second meeting

<https://www.facebook.com/ali.erdem.56829>

03 Feb 2024 Facebook Third Meeting of Learn STEM... Kavala,

<https://www.facebook.com/ali.erdem.56829>

06 December 2022 instagram “Innovative Model of learning STEM in secondary schools”

The first local meeting <https://www.instagram.com/p/CoFJROEqMBJ/>

31.Januaray .2023 instagram first online meeting

<https://www.instagram.com/p/CoFJROEqMBJ/>

09 September 2023 instagram Paderborn University MEETING

[https://www.instagram.com/p/Cw-](https://www.instagram.com/p/Cw-RXGVKAZs/?img_index=1)

[RXGVKAZs/?img_index=1](https://www.instagram.com/p/Cw-RXGVKAZs/?img_index=1)

14 October 2023 instagram STEM SOCIAL MEDIA ADRESS

<https://www.instagram.com/p/CyYvQJJqSdd/>

17 December 2023 instagram TOPIC 4 CLIMATE (BY

AHI EVRAN ANADOLU LİSESİ 10 C-SİNİFİ) <https://www.instagram.com/p/C08elkjtAdv/>

03 February 2023 Instagram Learn STEM"Erasmus+Project

Third Meeting in Kavala/Greece https://www.instagram.com/p/C23NCvrqful/?img_index=1

10 Dec. 2022 Instagram Learn STEM"Erasmus+Project Instagram page

<https://www.instagram.com/learn.stem?igsh=NW9vanB2Mm5zOW9t.>

"Everything is indicated in the specific excel file to be filled for the dissemination activity"

"The prepared curriculum and sample lesson videos will reach a higher dimension with the access of teachers both during and after the project."

"I explained the project to my colleagues. I gave my students information about the project. I follow the social media site."

Q15: What else would you like to pass on? Are there any other issues for discussion?

Answers 7

No answers 1

Comments "No, thanks."

"no thanks"

"Thank you very much for all."

"thank you"

"No from our side"

"I see no problem in the project moving towards its goal."

"_"