

Millennials and Post-Millennials: Challenges and Opportunities for Teachers and Employers

TESTING OF TEACHING METHODS IN ŠOLSKI CENTER NOVA GORICA

In Šolski center Nova Gorica there were 11 methods tested. Teachers participating were Edi Medvešček, Nives Čotar, Denise Beltram, Tina Stanič, Aljaž Gec, Janko Harej, Dražen Grbac and coordinator Valentina Furjan.

- 1) Learning with VR (Video Reality) – Slovenia
- 2) Learning apps in the classroom – Bulgaria
- 3) Padlet virtual wall – Finland
- 4) Self-learning through the network – Finland
- 5) Kahoot – Bulgaria
- 6) „I am“ – Latvia
- 7) Quizlet for learning vocabulary – Bulgaria
- 8) Create interest about subject – Latvia
- 9) Team competitions – Bulgaria
- 10) SWOT analysis – Latvia
- 11) Cool concept – Finland

The student survey was carried out in 1KA application. Teachers answered to questionnaire forms. Students and teachers answered in Slovene, so the answers have been translated into English.

When students answered the question “Does this activity motivate you to learn?” the total number of answers was 137:

Answer	No. Answers	Percentage
YES	46	33.6 %
NO	36	26.3 %
MAYBE	55	40.1 %

METHOD: Learning with VR (Video Reality) – Slovenia

TEACHER COMMENTS:

- 1. What do you like about the method?**
Innovation.
- 2. What subject did you use the method in?**
Databases.
- 3. What would you improve in the method?**
We would need more content.
- 4. Do you consider that the students were more motivated based on your use of the method?**
Yes.
- 5. Would you recommend the method to colleagues teaching other subjects?**
Yes.
- 6. What other subjects do you see this method implemented into?**
Professional.
- 7. Would you use this method again?**
Yes.
- 8. Do you need additional support for implementing methods of this kind?**
Yes, we need proper VR glasses.

STUDENT FEEDBACK:

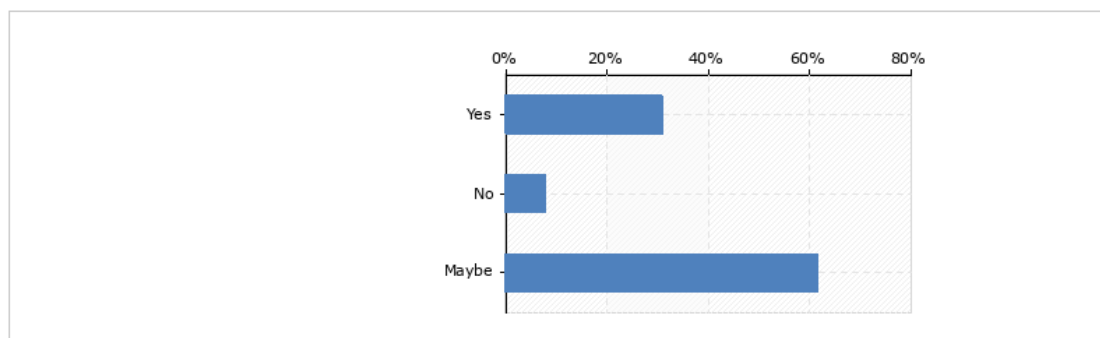
What do you like about the activity?

- explained the complex problems
- the more explanations we receive the better we understand the matter
- an additional explanation that is sometimes more comprehensible
- use of new learning media containing visual and auditory forms
- cooperation
- interesting approach, I see potential
- nothing
- I like the way of education only if all the students follow and get a recording source for later re-viewing at home
- additional opinion
- I like that we looked at videos about things that are related to our area of expertise but are not in the curriculum. It expands our horizon in our area of expertise.
- not a bad method, performance depends on the choice of video
- easier understanding of the subject
- easier understanding of the subject we are learning

What other subjects would you like this activity to be used in?

- management of information and communication systems
- Slovene, Physics, Computer Science
- Mathematics, Physics, Computer Science
- Websites/servers
- in all professional subjects and in the English language, so that we learn the correct pronunciation
- subjects that contain programming, because this makes a lot of interesting visualizations
- professional subjects
- on web servers
- Mathematics
- at all subjects
- management of information and communication systems, advanced use of databases
- none

Does this activity motivate you to learn? (n = 13)



METHOD: Learning apps in the classroom – Bulgaria

TEACHER COMMENTS:

1. What do you like about the method?

Something new.

2. What subject did you use the method in?

Databases.

3. What would you improve in the method?

Nothing.

4. Do you consider that the students were more motivated based on your use of the method?

Yes.

5. Would you recommend the method to colleagues teaching other subjects?

Yes.

6. What other subjects do you see this method implemented into?

Wherever the teacher shows interest.

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

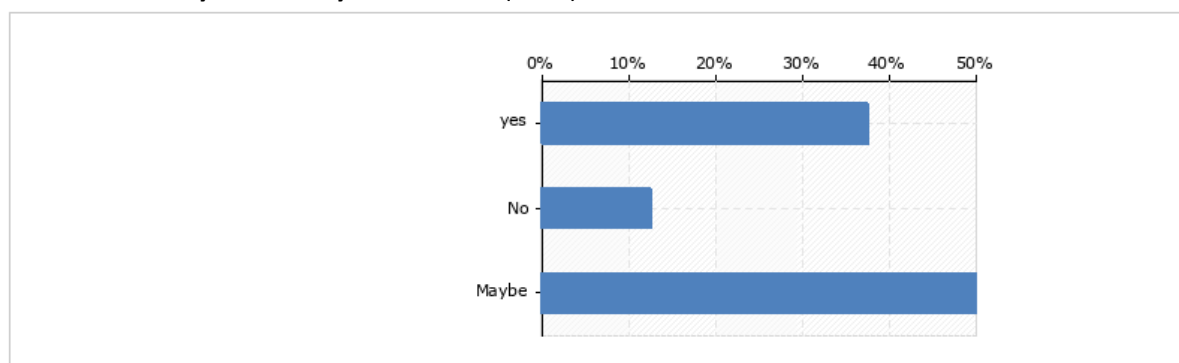
What do you like about the activity?

- use of technology
- gaining new perspectives
- a very innovative method
- interesting, because it is interactive in the first person, but unnecessary
- interaction
- innovation

What other subjects would you like this activity to be used in?

- sports
- professional
- servers
- Physics
- at every subject
- Mathematics, Physics, Computer Science, ...
- none

Does this activity motivate you to learn? (n = 8)



METHOD: Padlet virtual wall - Finland

TEACHER COMMENTS:

- 1. What do you like about the method?**
Contemporary, fast, useful for developing different skills.
- 2. What subject did you use the method in?**
English.
- 3. What would you improve in the method?**
A more complex set of activities for senior students.
- 4. Do you consider that the students were more motivated based on your use of the method?**
Yes and no (new method).
- 5. Would you recommend the method to colleagues teaching other subjects?**
Depending on the subject, content and goals.
- 6. What other subjects do you see this method implemented into?**
???
- 7. Would you use this method again?**
Yes.
- 8. Do you need additional support for implementing methods of this kind?**
At the beginning: working with an ICT teacher.

STUDENT FEEDBACK:

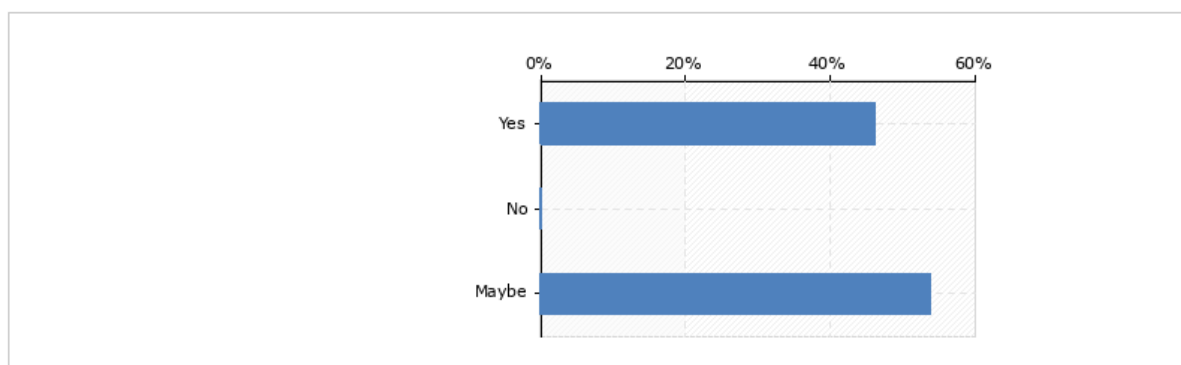
What do you like about the activity?

- so we could use the phone
- a different way of presenting the topic
- individual work on mobile phones
- working with your phone
- making it easy to use
- use of phones
- everything
- watching the video
- working on phones
- simplicity
- the way lessons are taught, viewing the recording and answering

What other subjects would you like this activity to be used in?

- Italian
- in larger ones
- Informatics
- Economy, Psychology, Sociology
- Economy, Slovene
- Economy
- Sociology
- Italian

Does this activity motivate you to learn? (n = 13)



METHOD: Self-learning through the network – Finland

TEACHER COMMENTS:

1. What do you like about the method?

Accessibility of materials, student interaction, independence in education.

2. What subject did you use the method in?

ICT.

3. What would you improve in the method?

Quality and quantity of materials.

4. Do you consider that the students were more motivated based on your use of the method?

Yes.

5. Would you recommend the method to colleagues teaching other subjects?

Yes.

6. What other subjects do you see this method implemented into?

In almost all of them as complementary learning.

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

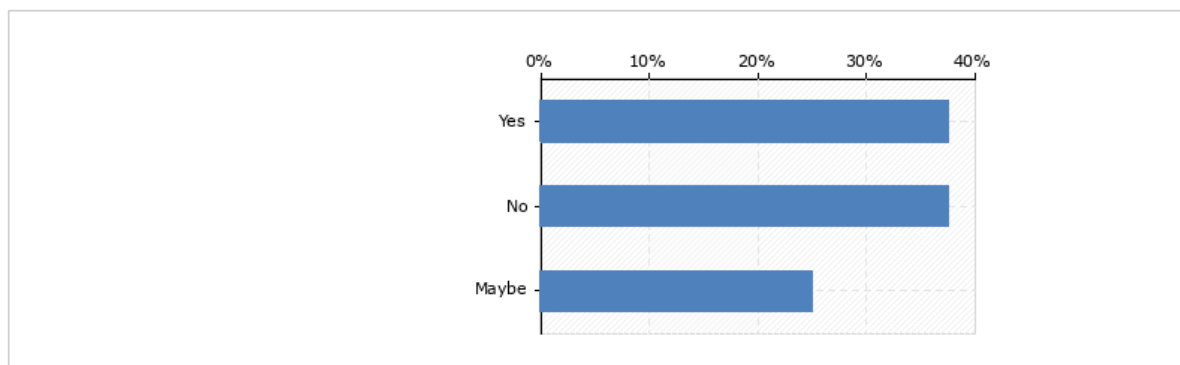
What do you like about the activity?

- everything
- explanation
- because it is easy to use and review
- I do not know
- so I can work on my phone
- that I do not need to be in direct contact with the teacher
- that I can access it at any time
- I have an overview of the work in school or at home
- working on a computer

What other subjects would you like this activity to be used in?

- Mathematics, Slovene
- in all
- Italian
- Mathematics
- ICT
- nowhere
- I do not know

Does this activity motivate you to learn? (n = 16)



METHOD: Kahoot - Bulgaria

TEACHER COMMENTS:

- 1. What do you like about the method?**
ICT.
- 2. What subject did you use the method in?**
Geography.
- 3. What would you improve in the method?**
Nothing.
- 4. Do you consider that the students were more motivated based on your use of the method?**
Yes.
- 5. Would you recommend the method to colleagues teaching other subjects?**
Yes.
- 6. What other subjects do you see this method implemented into?**
In all subjects.
- 7. Would you use this method again?**
Yes.
- 8. Do you need additional support for implementing methods of this kind?**
Good connection to Wi-Fi.

STUDENT FEEDBACK:

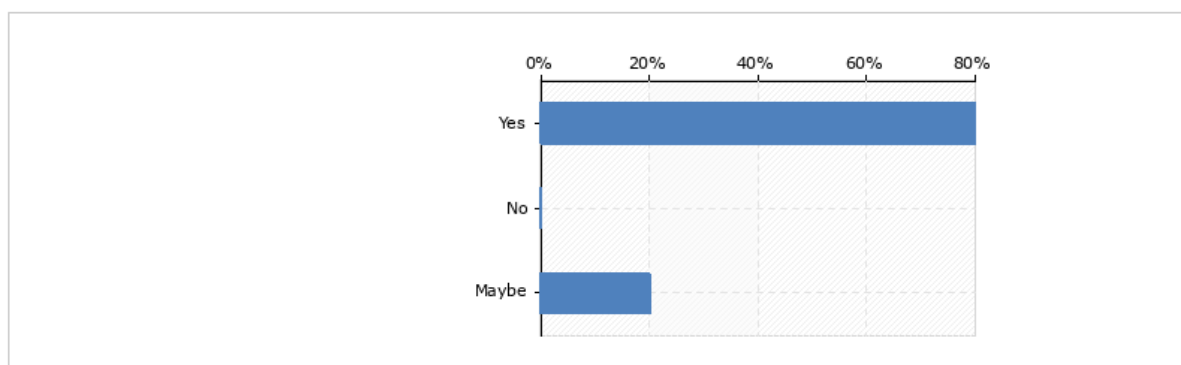
What do you like about the activity?

- everything
- that we all worked together
- we better learn
- fun
- that we were revising the subject together
- we could use mobile phones
- that I revised the subject matter in a fun way
- that we were learning in a more interesting way
- I liked it because we were able to compete with each other

What other subjects would you like this activity to be used in?

- in all subjects
- English, Chemistry
- at as many subjects as possible
- Chemistry
- Chemistry, Mathematics

Does this activity motivate you to learn? (n = 15)



METHOD: „I am“ – Latvia

TEACHER COMMENTS:

1. What do you like about the method?

That the students had to start thinking about themselves.

2. What subject did you use the method in?

Class meeting.

3. What would you improve in the method?

For more students, not just one, to describe a classmate's student.

4. Do you consider that the students were more motivated based on your use of the method?

I do not know.

5. Would you recommend the method to colleagues teaching other subjects?

Yes.

6. What other subjects do you see this method implemented into?

Where there are problems with students' self-image.

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

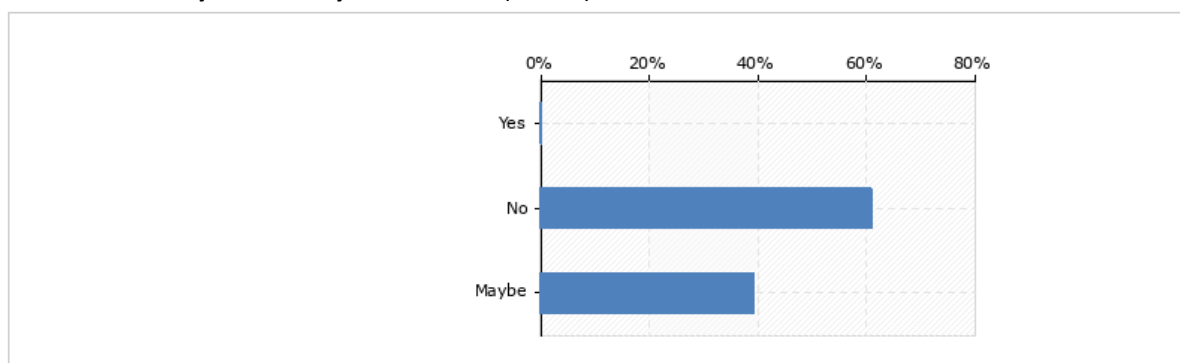
What do you like about the activity?

- getting to know the opinions of others
- nothing, from that day forward I go to the therapist
- very innovative
- nothing
- absolutely nothing
- to see how others see me
- I do not know
- to see what your classmate thinks about you
- it was performed in an interesting way
- feeling uncomfortable
- not much
- I confirmed my beliefs
- writing
- independent work
- anonymity
- that everyone thought a little about themselves
- well spent 10 min

What other subjects would you like this activity to be used in?

- Slovene, Management of information and communication systems
- only in class meeting
- none
- professional
- Use of ICT in business
- Application 1, Programmable Device Management
- Instead of mathematics
- I do not know
- in all subjects where it could be introduced
- Slovene, Upgrading professional theory, English, PE

Does this activity motivate you to learn? (n = 23)



METHOD: Quizlet for learning vocabulary – Bulgaria

TEACHER COMMENTS:

1. What do you like about the method?

The method is innovative and students can learn it in different ways, can answer questions, connect definitions or choose the right definition for a particular term.

2. What subject did you use the method in?

Maintenance of databases.

3. What would you improve in the method?

Nothing, I think it's well designed.

4. Do you consider that the students were more motivated based on your use of the method?

Yes, they are using new teaching methods with interest.

5. Would you recommend the method to colleagues teaching other subjects?

Yes, I would recommend it especially in subjects where students learn new words and are theoretically oriented.

6. What other subjects do you see this method implemented into?

History, English, professional subjects.

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

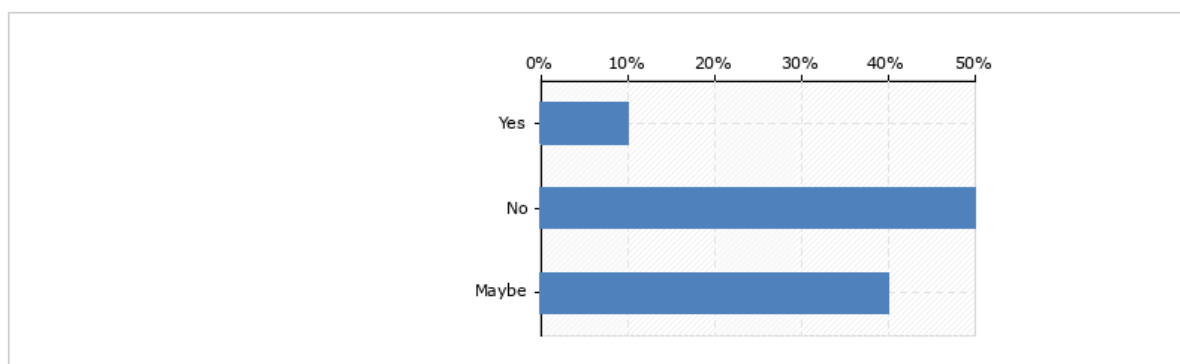
What do you like about the activity?

- to find out what you don't know and to practice on it
- that I learned something new
- nothing
- something new for a change
- the method is very interesting and educational
- learning on a computer
- everything

What other subjects would you like this activity to be used in?

- in all but sports
- I do not know
- Slovene
- Programming
- Maintenance and installation of databases
- Electrical Engineering in Computer Science
- in all professional subjects
- depending on the subject

Does this activity motivate you to learn? (n = 10)



METHOD: Create interest about subject – Latvia

TEACHER COMMENTS:

1. What do you like about the method?

Students are working in groups. There is more interaction. They can discuss different topics.

2. What subject did you use the method in?

Maintenance of databases.

3. What would you improve in the method?

Students should prepare a short presentation of their work when concluding the method.

4. Do you consider that the students were more motivated based on your use of the method?

Yes, they like lessons with new teaching methods.

5. Would you recommend the method to colleagues teaching other subjects?

Yes.

6. What other subjects do you see this method implemented into?

I think it is appropriate for all subjects except for the internship subjects.

7. Would you use this method again?

Yes, occasionally, to improve students' motivation for teaching.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

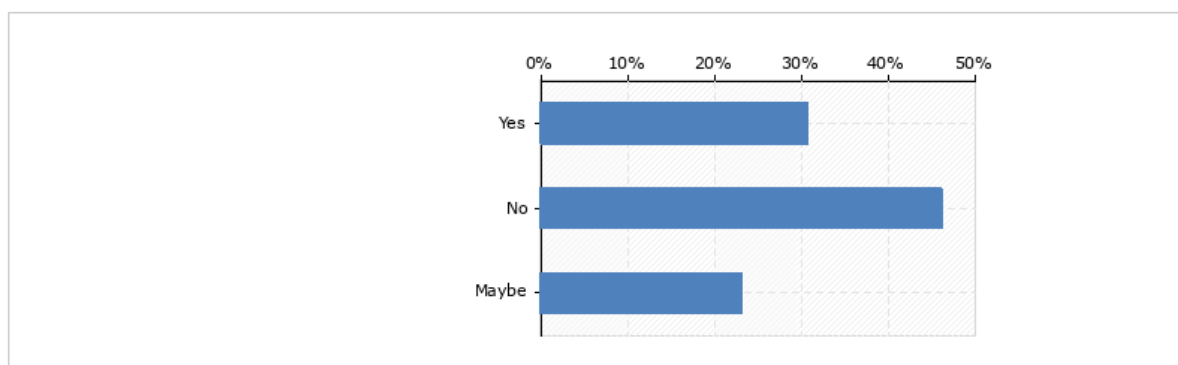
What do you like about the activity?

- freedom
- team work
- look for online information from different sources than those suggested by teachers
- that I was able to browse for information on a particular topic by myself
- freedom in how we learn
- working with friends
- nothing
- freelance work

What other subjects would you like this activity to be used in?

- sports, programming
- in all
- social science subjects
- none
- in professional subjects
- in all, except sports, where we like to play with ball
- English
- natural science subjects
- programming

Does this activity motivate you to learn? (n = 13)



METHOD: Team competitions – Bulgaria

TEACHER COMMENTS:

1. What do you like about the method?

Supporting teamwork.

2. What subject did you use the method in?

Informatics.

3. What would you improve in the method?

In any case, it is necessary to adapt it in order to carry out your lesson, as it is written very generally

4. Do you consider that the students were more motivated based on your use of the method?

Yes.

5. Would you recommend the method to colleagues teaching other subjects?

They have already been using this method.

6. What other subjects do you see this method implemented into?

With some adjustments it is applicable to all subjects

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

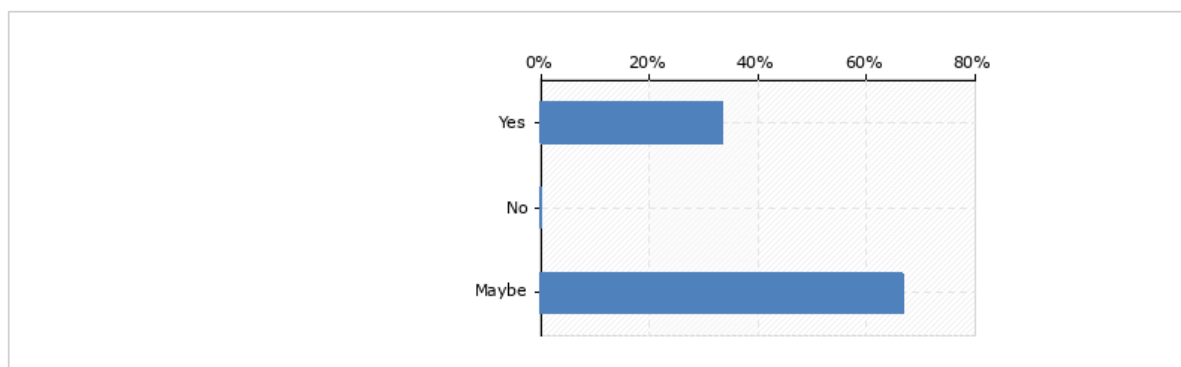
What do you like about the activity?

- team work
- competition

What other subjects would you like this activity to be used in?

- Geography
- In natural science subjects
- in arts, Slovene

Does this activity motivate you to learn? (n = 3)



METHOD: SWOT analysis – Latvia

TEACHER COMMENTS:

1. What do you like about the method?

It attracted students to participate and take a different, wider perspective.

2. What subject did you use the method in?

It was used in class meeting during the analysis of educational attainment in the first assessment period and when planning for year-end improvements.

3. What would you improve in the method?

I think this method is fine as it is.

4. Do you consider that the students were more motivated based on your use of the method?

I think so, because they felt more involved, responsible for the ultimate success.

5. Would you recommend the method to colleagues teaching other subjects?

Certainly.

6. What other subjects do you see this method implemented into?

It is general and comes in handy in all school and life occasions.

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

No.

STUDENT FEEDBACK:

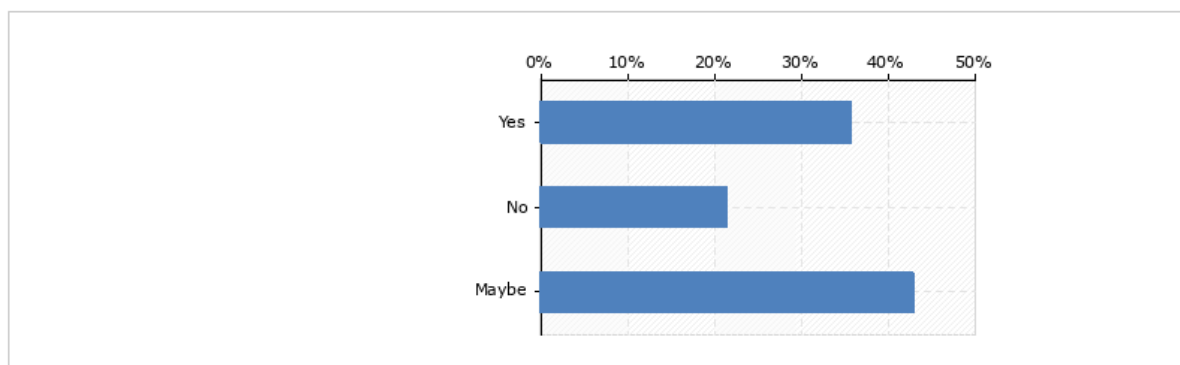
What do you like about the activity?

- explanation
- learning
- nothing
- that I set a goal
- overview on the things that affect learning
- it is easy
- how I learn
- encouragement for a better educational attainment

What other subjects would you like this activity to be used in?

- in all subjects
- none
- Mathematics
- nowhere, because I do not like it
- maybe in some subjects
- English

Does this activity motivate you to learn? (n = 14)



METHOD: Cool concept – Finland

TEACHER COMMENTS:

1. What do you like about the method?

It expands the area of cooperation with students.

2. What subject did you use the method in?

Physical Education

3. What would you improve in the method?

Maybe it should be complemented with a collective workbook of exercises in which the individual's activity would be visible to everyone.

4. Do you consider that the students were more motivated based on your use of the method?

I believe it attracted them to do regular workout.

5. Would you recommend the method to colleagues teaching other subjects?

Certainly.

6. What other subjects do you see this method implemented into?

In every subject, because it encourages the pursuit of otherwise not popular homework.

7. Would you use this method again?

Yes.

8. Do you need additional support for implementing methods of this kind?

Yes, for the preparation of ICT material.

STUDENT FEEDBACK:

What do you like about the activity?

- learning
- nothing
- everything

What other subjects would you like this activity to be used in?

- in all subjects
- Mathematics
- none

Does this activity motivate you to learn? (n = 9)

