

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



TESTING OF TEACHING METHODS IN CAREERIA

In Careeria there were 12 methods tested. Teachers participating were Michaela Öberg-Westerlund, Anna Roo, Suvi Pulkkinen, Anu Lassila, Inka Pahajoki, Tanja Sauso, Bryan Roberts, Juha Sonck and coordinator Jukka Hakala.

- 1) Running Dictation
- 2) Debate for and Against
- 3) Godparenting the Elderly
- 4) Associative Cards
- 5) Simulation Pedagogy
- 6) Story
- 7) Team Hangman
- 8) Ice-Breakers
- 9) Learns to Read
- 10) Cooperation with the Economy
- 11) Shield

To be reported later: 12) Peer Assessment in 3D Printing

The student survey was conducted mainly in Mentimeter app. Some students answered in Finnish and these comments have been translated into English. Teachers answered to questionnaire forms. The results have no scientific or statistical validity and are only indicative and dependent on the situation. The student survey results (including results on student motivation) depend very much on the student group answering the survey and the module of vocational education or common unit.

To the question "Does this activity motivate you to learn" the total number of answers is:

- 61 answers - YES
- 20 answers - NO
- 39 answers - MAYBE

The methods and the student prerequisites were very different from each other. The general opinion on the methods tested is that all of them can be very motivational and supportive of learning. Implementation must be carefully prepared and the student group identified suitable for running the activity.

METHOD: RUNNING DICTATION

TEACHER COMMENTS:

1. What do you like about the method?

Nice variation, but the group must not be too big. Now there were a total of 16 students running and it was too much.

2. What subject did you use the method in?

Business / Entrepreneurship lesson.

3. What would you improve in the method?

-

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

This time didn't really motivate, because I was practicing completely new and unfamiliar terms. Students felt it was too difficult.

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

I would recommend, for example, when repeating before exams.

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

I would use it for language teaching.

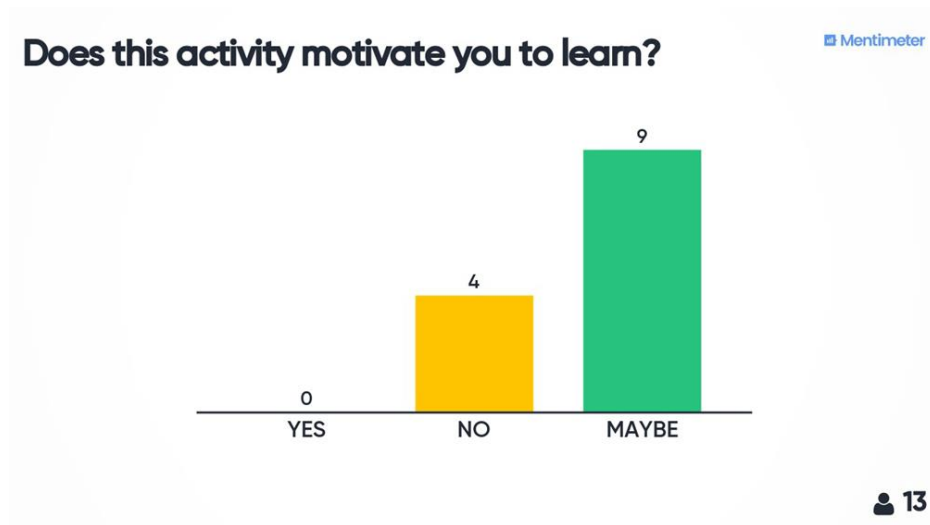
7. Would you use this method again?

I would use it for language teaching.

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

No, I don't.

STUDENT FEEDBACK:



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

Mentimeter

Nothing

nothing

Nothing

I don't know

Maby in langues

Languages

In other languanges

Math

i dont know

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

Mentimeter

Customer service or
mathematics.

Customer service

Don't know maby math

In other languages or some
other subject if its thought
thourgh

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METHOD: DEBATE FOR AND AGAINST

TEACHER COMMENTS:

1. What do you like about the method?

I was familiar with this method already before but have not been using it recently. I think this debate method works well when the students have to learn critical thinking and discussion skills.

2. What subject did you use the method in?

Civics (equality)

3. What would you improve in the method?

Working in groups is better for students who are shy, but on the other hand it is (was at least now) difficult to make all group members to participate equally. There seems to be some students who tend to dominate the group. If I use this method again, I will consider that aspect more carefully.

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

Some of the students were motivated, some not so much.

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

Yes, I would.

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

This method is suitable for dealing with almost any kind of subject that includes critical thinking and discussion.

7. Would you use this method again?

Yes I would.

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

No extra support is needed, but the more I get familiar with the method, the better the results will be.

STUDENT FEEDBACK:



Translated comments:

- "Just OK workout"
- "Just OK but you should ask more questions"
- "Just OK but have you seen the episode about the fat Homer"

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

Mentimeter

ei mitään

i don't want to do this ever again

nothing

ei mitään ei se edisty

kasikki

i dont know

i don't know i think it's better if we don't do this every again

Everyting

Equality

11

Translated comments:

- "Nothing "
- "Nothing is progressing"
- "Everything"

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

Mentimeter

i hate that and thats boring question

About equality

11

METHOD: GODPARENTING THE ELDERLY

TEACHER COMMENTS:

1. What do you like about the method?

Godparenting the elderly is a very good method. Close collaboration with working life offers a broader perspective on studying. Sponsorship also brings desirable variation to theory studies. In a stimulating business afternoon, the students were particularly motivated to get to the right people and not just to practice each other at school. Best of all, our study visit brought a lot of joy to the elderly and the whole service house.

2. What subject did you use the method in?

Nursing Assistants Functional Methods.

3. What would you improve in the method?

We had a single case study visit. I would expand the activity to regular visits 2-4 times a month. The subject could vary according to what has been covered in the meantime. In my opinion, parenting is very well suited for example to nursing skills. The project is a good example of this. My "dream" would be for each group to have a godparent seat from start to finish, unchanged. However, there are plenty of service houses in the Porvoo area and the project could easily translate studies into practice. I would see teacher guidance in the workplace as essential.

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

Students were very motivated by the activity. We were supposed to have a new visit in the early part of the year, but this was not possible due to the timetable alteration

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

Absolutely. I would expand the activities from the first part of the degree to the graduation stage.

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

Very broadly: Interaction skills, functional methods, monitoring of vital functions, information on services, etc.

7. Would you use this method again?

Absolutely and preferably on a larger scale.

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

Of course, community-based planning and discussion are the best ways of working. If this were not possible, I would be eager to develop the work format independently (or with a working couple).

STUDENT FEEDBACK:



Translation:

- "Nice variation on going to school"

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

I don't know	En tiia	I don't know.
I think yes,	Yes, maybe something with child?	Maybe go to meet people with disabilities

6

Translation:

- "Don't know"

METHOD: ASSOCIATIVE CARDS

TEACHER COMMENTS:

1. What do you like about the method?

The method was useful and fun.

2. What subject did you use the method in?

I used the method when dealing with equality issues (civics).

3. What would you improve in the method?

In group situations it would be useful to have more than just one pack of cards.

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

I think most of the students were motivated.

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

Yes, I would.

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

This method could be useful in almost any kind of studies.

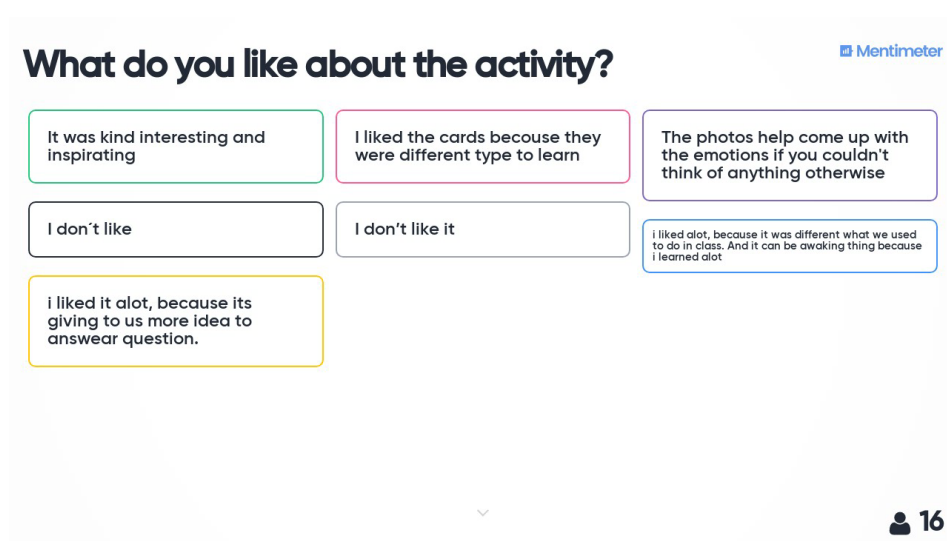
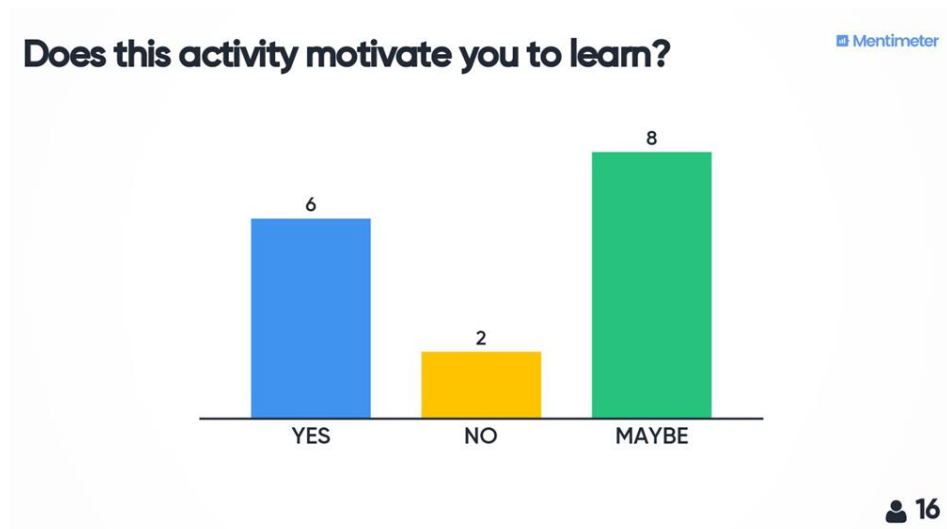
7. Would you use this method again?

Yes.

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

I don't think so.

STUDENT FEEDBACK:



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

Mentimeter

english

Maybe tell how you feel

Maby we could use it at english or swedish.

I think this card method can be used in every subject

History, english, healt care things and maybe in math or in everything

to tell everyone how I feel

english, health care things

All subjects wath we can tell out opinion

I don't know

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

Mentimeter

every subject

Sweedish

every subjects

every subjects

Maybe in language classes when you have to translate the mood in the card.

If you want to figure out how the students feel about something (like their future)?

no

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METHOD: SIMULATION PEDAGOGY

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TEACHER COMMENTS:

1. What do you like about the method?

Very suitable for teaching practical nurses. This creates a genuine situation where the student is active in a situation where he or she is allowed to practice what he or she has learned. We get a holistic approach to dealing with things in a customer-like situation. As a teacher, I can "take" the situation with voice of my simulation doll towards the learning goals.

Gives the most realistic situation possible in different nursing cases. The student is an active contributor and the learning conversation can further deepen knowledge on and reflect the topic.

2. What subject did you use the method in?

In the Home Care part of qualification, wound care, catheterization and patient / client guidance and interaction with client / colleague.

Wound care, catheterization, patient guidance, interaction

3. What would you improve in the method?

As a teacher, I see it important that I have personally tested the "case" and that the design is carefully done with a teacher colleague.

Teachers need time to plan.

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

Yes. But some students find the method exciting and aren't keen on being an active participant in the simulation, but instead want to follow the simulation in class.

Yes, the students have given positive feedback. In addition, when assigning assignments to the students following the simulation, they also concentrate and focus on the issue.

Participating in a simulation is distressing to some.

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

Yes. It allows for a peaceful, real-life case = case in which a holistic approach is possible. For example, two students are running a simulation and others can follow in the class. It is also possible to go back to the videos and look again. Learning is fun and as a teacher it is possible to implement teaching in a whole new way, inspire me as a teacher as I get to try and develop something new.

Yes.

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

Customer service / customer encounters, in any industry. Interaction - teamwork, etc.

Bachelor of Science in Nursing. The mobile camera allows shooting in locations other than the simulation center.

Leadership, customer service, teamwork. Bachelor of Science Nursing Training

7. Would you use this method again?

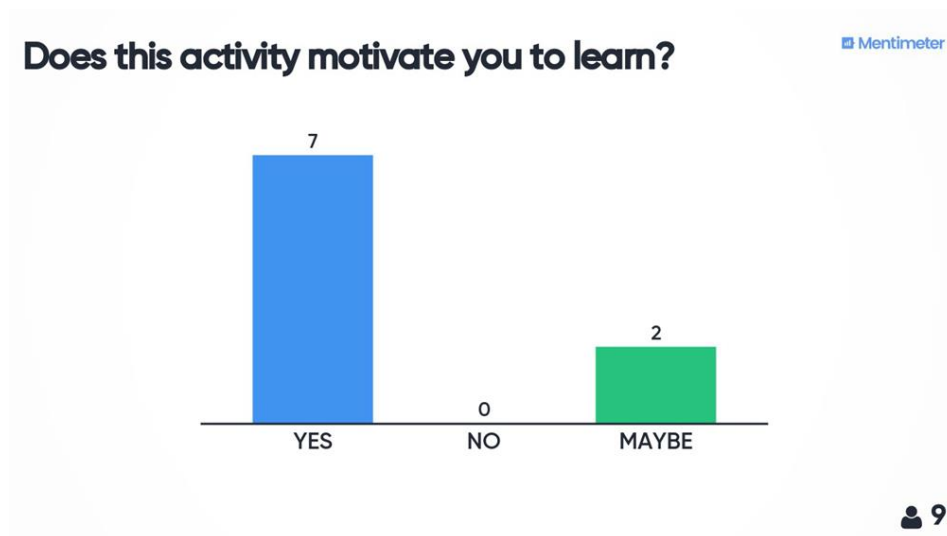
Yes.

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

Little. I have already studied a lot. Technology is an area where I still have some small details to learn, but I already know how to use the method. In addition, using a still camera while studying (technology)

The technology is still a bit "under research", but I already know and can do a lot. However, I would like some more training in technology, such as using a patient monitor + using a mobile camera.

STUDENT FEEDBACK:



What do you like about the activity?

Mentimeter

Tykkäsin siitä.

It's fun and different from normal lessons

Ihan jees

You learn skills that you can use at your workplace.

communication

Its very different compared to other kinds of studying.

Vahshhs

Se on erilaista, kuin normaali opintotunti

Pääsee harjoittelemaan ja toimimaan niinkuin toimisi oikeassakin tilanteessa. Muut pääsee seuraamaan työtäsi ja kertomaan missä on parantelamista.

9

Translations:

- "I liked it"
- "Quite yes"
- "It was different from normal lesson"
- "You get to practice and act like in the real situation. Others can follow your work and tell you where there is need for improvement"

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

Mentimeter

I do not know

En tiää.

En tiää

Dunno

I don't know.

Erilaisissa oppimistilanteissa.

To learn in schools

Cy

Erilaisissa oppimis tilnteissa.

9

Translations:

- "Don't know"
- "Don't know"
- "In various learning situations"
- "In various learning situations"

METHOD: STORY

TEACHER COMMENTS:

1. What do you like about the method?

The story was used in the student-inspired activities and it worked very well.

2. What subject did you use the method in?

The story was used when students created inspirational activity for the elderly

3. What would you improve in the method?

-

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

Students were highly motivated by the method.

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

-

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

I don't really know the method, but I would like to learn more.

7. Would you use this method again?

I would certainly use it again in teaching.

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

I need training or guidance on the method. I'm eager to try something new.

STUDENT FEEDBACK:

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Translations:

- "It was fun and different"
- "It was just cool, nice people and succeeded well"
- "It was really good"

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

Mentimeter

Im not sure. Does not come in mind.

Lenkillä yhdessä.

Ei tullut nyt mitään mieleen:)

Lasten kanssa.

Ei tullut mitä mieli

5

Translations:

- "When walking outside together"
- "With children"
- "Nothing came to my mind now 😊"
- "Nothing came to my mind"

METHOD: TEAM HANGMAN

TEACHER COMMENTS:

1. What do you like about the method?

Maybe better suited for slightly younger students. In Finland, this method has been used in different versions from the lower classes.

2. What subject did you use the method in?

During business activity lessons

3. What would you improve in the method?

-

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

At least bring some variety to your studies. It works well as a bit lighter method.

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

I guess the method is already used quite often in different subjects.

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

-

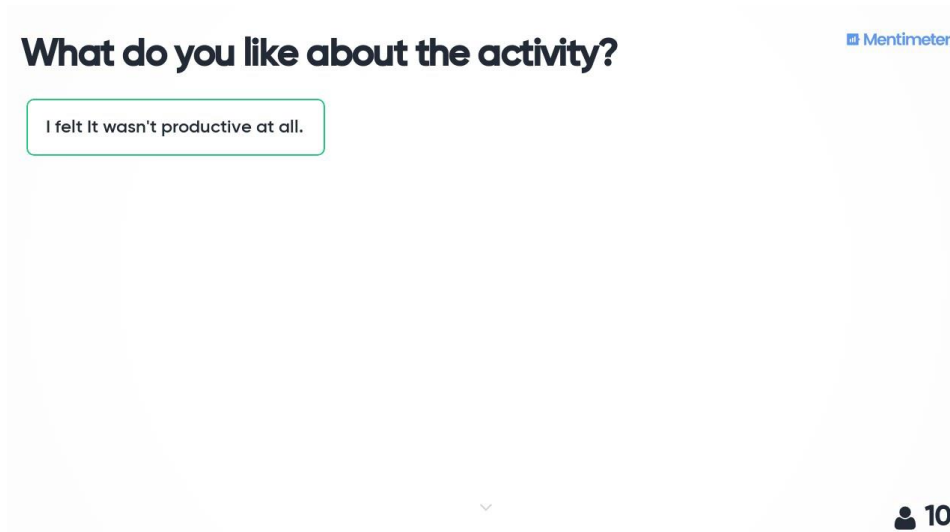
7. Would you use this method again?

Certainly at some point it will become topical.

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

No.

STUDENT FEEDBACK:



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

Mentimeter

Math

Langues

none.

none

Mathematic

nothing

at a workplace

Languages

kaikki tähän asti, paitsi
kirjanpito

10

Translation:

- "Everything we done until now, except bookkeeping"

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

Mentimeter

Maybe language subject is this
favorable

10

METHOD: ICE-BREAKERS

23

TEACHER COMMENTS:

1. What do you like about the method?

This is good as an ice-breaker.

2. What subject did you use the method in?

When students first meet each other. Get to know each other and interact.

3. What would you improve in the method?

I would prefer to use only 2 or 3 items. Not 4.

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

Yes. It also gets them to know things about each other.

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

I would prefer to have them tell people about themselves in 4 things. I don't like the lying.

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

Students tell what they remember about a certain subject, which could then be used as the basis for a discussion.

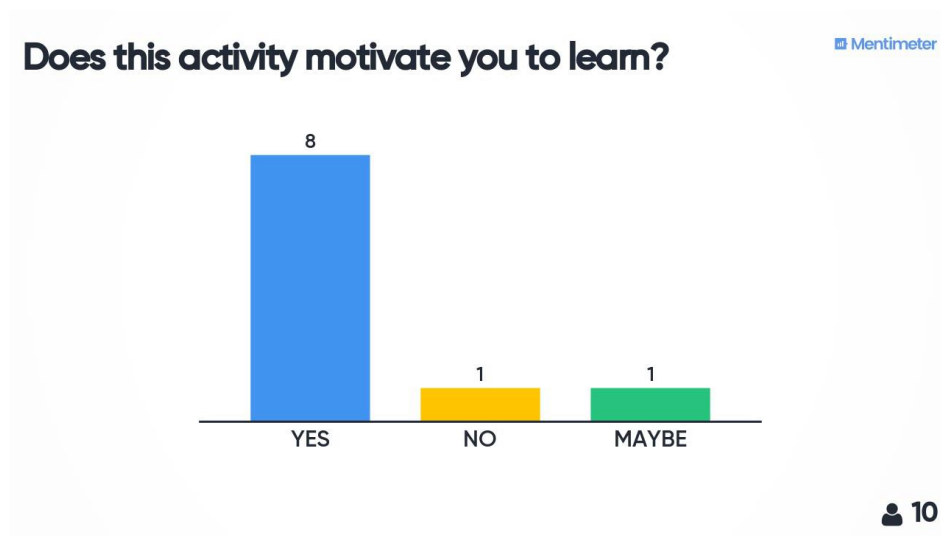
7. Would you use this method again?

Yes

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

No thanks.

STUDENT FEEDBACK:



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

Mentimeter

hobbies, culture, future plan ,
likes and dislikes

Test of memory. Gain self-
confidence. First step to
overcome fear of giving
presentations.

when we want to develop
thinking skills

Meeting each other one by
one and talking about
themselves

Don't know

It is good for us if we do the same activity to get
some experience in job interview. ex: asking each
other some question about weak points of each
other and how to overcome it.

It was a good way the one we
used.

The feeling of presenting itself
front new persons . Respecting
all persons even that unknown
.

To learn new (Finnish language
for example) words by hearing
it many times

10

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

Mentimeter

discussion with each others
about own experience

10

METHOD: LEARNS TO READ

TEACHER COMMENTS:

1. What do you like about the method?

Quite good for testing English knowledge and comprehension.

2. What subject did you use the method in?

Classroom. Marketing.

3. What would you improve in the method?

Only one text and all students read that and answer questions individually (or in pairs)

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

Yes. Learn English and business at the same time.

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

Yes. I have used this many times before.

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

Mostly business subjects and subjects where discussion is needed

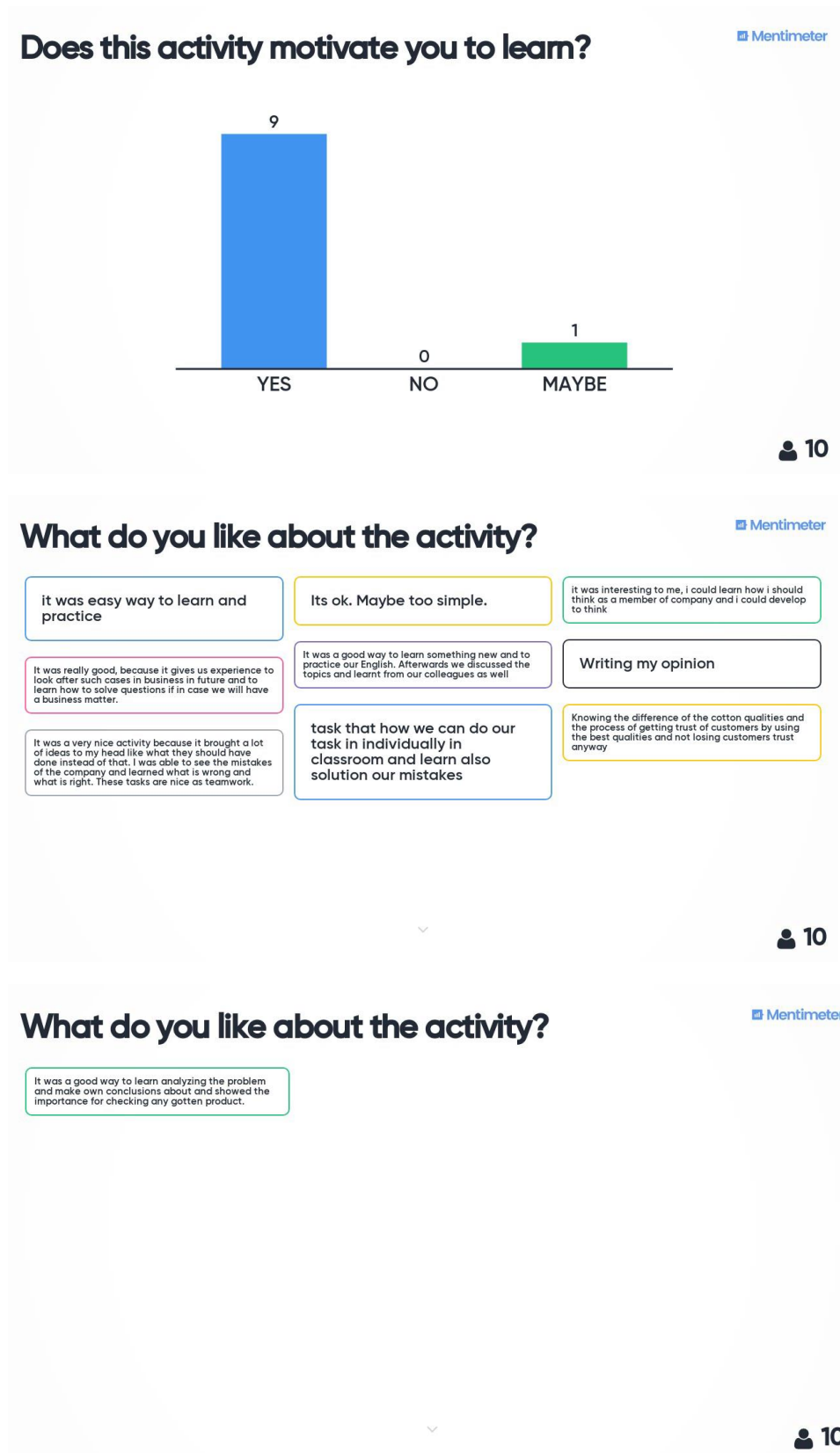
7. Would you use this method again?

Yes.

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

No thank you.

STUDENT FEEDBACK:



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

Mentimeter

practicing at related job place or at business place

some technology. because right now business sector are mostly depending on technology.

i would like to talk about education , food

It could be used in language learning, business learning, geography, history. Any subject where there is a lot of fixed content

see the cases and talk about it

All business and management subjects, and I would like to use this kind of activity in to risk management subject as well, so that I could understand things better.

Startups. Success and failures. Stories about implementation of new technologies or methods. Changes in external conditions (ex political situation, market, demography etc)

Any other. It was a productive way for making own independent from others conclusions

Mainly business courses and doing it in a group of team makes it better because you get more ideas and learn more

10

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

Mentimeter

The important of keeping the trust of customers

10

METHOD: COOPERATION WITH THE ECONOMY

TEACHER COMMENTS:

1. What do you like about the method?

The method is good if there are several internships in the area for students to choose from. If jobs are further away, a different method may be needed.

2. What subject did you use the method in?

The search for internships for Programming in winter 2020.

3. What would you improve in the method?

We have already developed our own information system that works as a web page. In this system, students set up their own knowledge profile. In addition, employers can create their own employer profile and user IDs. The idea is that employers can search for and select trainees with the right skills profile and send them interview invitations and job offers

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?

Everything in the ICT field and possibly others, too.

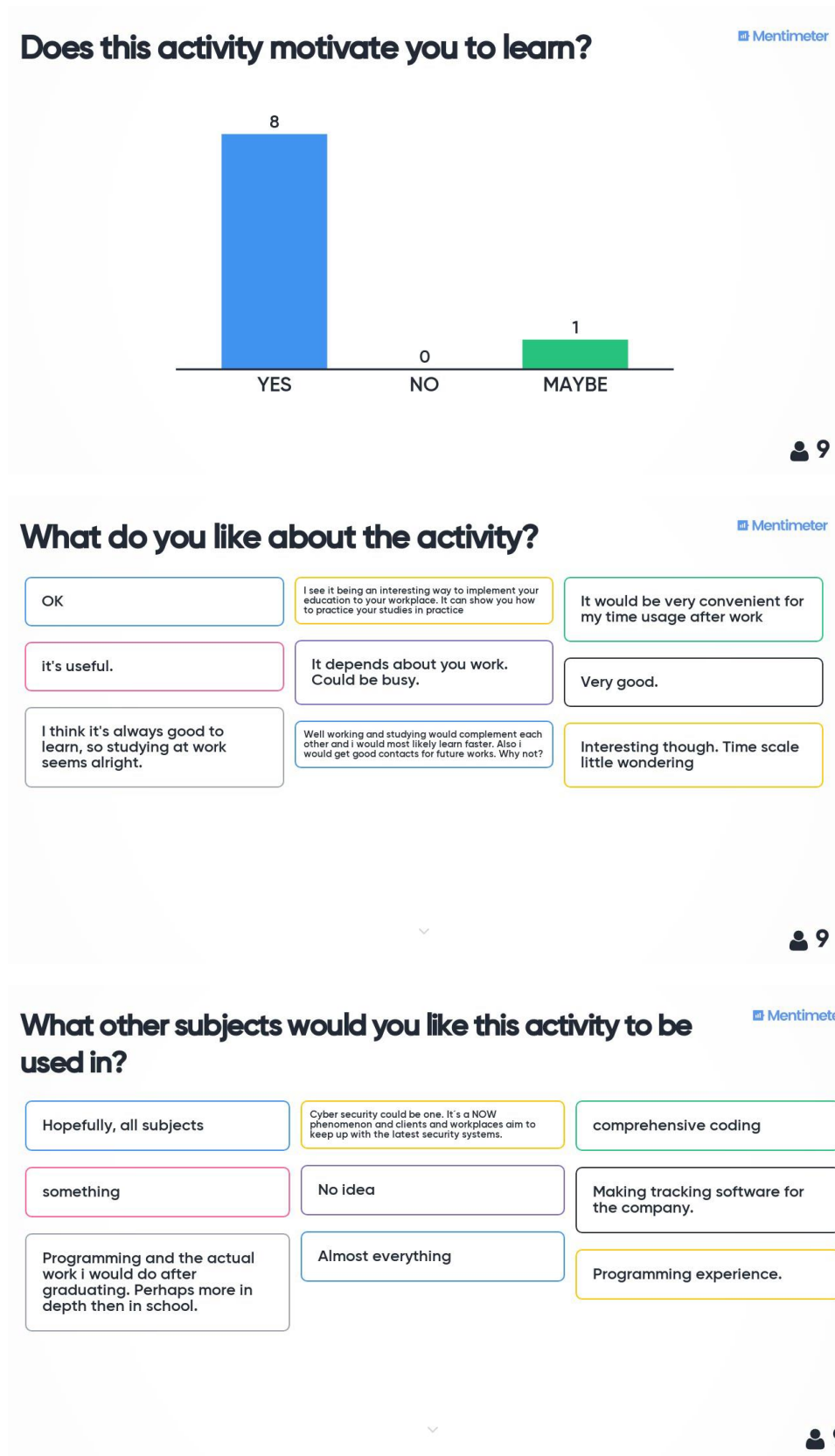
7. Would you use this method again?

Yes! Intended to make permanent practice.

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

No.

STUDENT FEEDBACK:



METHOD: SHIELD

TEACHER COMMENTS:

1. What do you like about the method?

The instructions were quite clear so the method was easy to do in practice. This kind of functional work is also good for students so they are more interested and active.

2. What subject did you use the method in?

We dealt more about the value of life and self-knowledge.

3. What would you improve in the method?

We think that it should be a very good preparation for this kind of topic, so that understanding, knowledge and theoretical will give a good requirement for the "Shield". For example question number one: Where I'm good at? It is quite hard to deal with if there is no preparation before it.

The time which was planned to this lesson were quite short because only the drawing take time. Shield could be *reworkable* so it can be used with image- or word-processing programs.

This was the way how we put it in to practice: Orientation to subject was with wordcloud Answergarden (to write one word to describe the most important value of my life), power point- presentation about society-, own-, cultures –values, discussion about values with small groups, listing everyone's own values and drawing them in to Shield.

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

Everyone took actively part in. They liked especially drawing and almost everyone completed their shields.

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

Because this method is functional and activates persons in different ways so we can highly recommend the Shield-method.

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

This method is usable to many subjects. With this you can describe things with symbolic ways and by drawing which is suitable for most of us.

7. Would you use this method again?

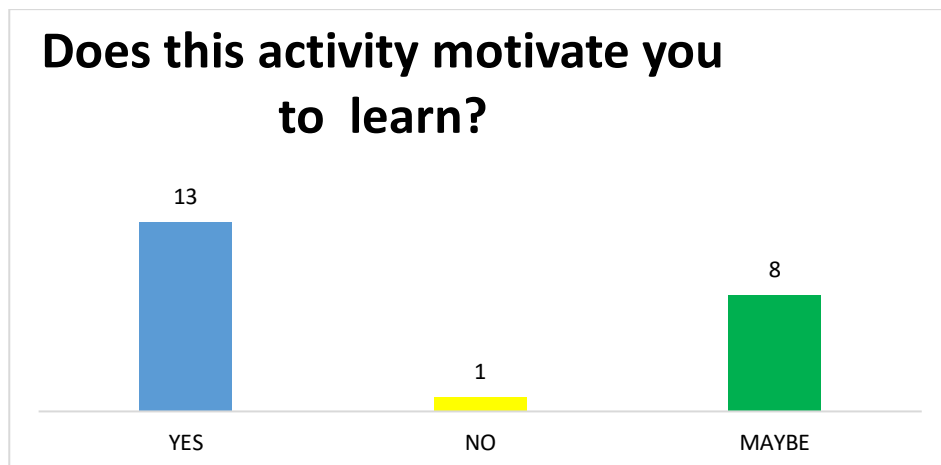
Possibly yes. Symbolism and drawing are suitable for many subjects

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

No.

32

STUDENT FEEDBACK:



22

What do you like about this activity?

- Quite nice
- It was a fun experience
- Awesome
- It is team work and individual skills
- I liked it because you could have been creative if you wanted
- It was fun to draw
- It was pretty much boring but drawing was fun
- Nothing
- This activity was nice and I enjoyed
- I like this activity because it makes me think about my own goals and valuable things in life
- The task was nice and it was nice to do something different
- The task was quite ok
- I this weird but I think it is also good. This activity put yu think what is most important things in your world
- It was pretty nice. I liked it myself! I'd recommend this to others.
- I liked this very much. It's easier to remember things when there is not just one teacher talking something
- So awkward, bit weird but not bad
- It was nice to draw and it was nice morning lesson
- I like to draw things I enjoy
- It was interesting and nice
- Being open
- It was clear and cool
- Just funny

22

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

- Don't know
- About our further studies
- I don't know
- Chat or conversation
- I don't know
- All subjects
- I don't know
- Every subject
- I don't know
- I don't recommend this
- In theory tasks
- In theory tasks
- On my football team
- I don't know, maybe math or something
- I don't know what subjects we have in school this year, but I would like this used in everything
- None please
- In many subjects because it's nice to draw
- In everywhere because I want to draw
- Whatever. The drawing activity was nice and could be used in every subject
- Discussion
- All of them
- Yes