Peer-to-Peer Evaluation
STARTING SOON

On-line teachers' training
28 January 2021

Project number: 2015-1-CZ01-KA202-013878
Project title: STEM in Education

Buonarroti
Istituto Tecnico Tecnologico Trento

STEM
Science Technology Engineering Mathematics

Peer-to-Peer Evaluation

On-line teachers' training
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WEBINAR

Recup
where we are...

First Teachers' Training
Teacher - Student Evaluation

[Soft Skills Grid](#)

Second Teachers' Training
Peer Evaluation

Third Teachers' Training
Self Evaluation

Peer-to-peer evaluation Types

- **Peer assessment**: provide summative grades (moderated by teachers)

- **Peer review**: provide feedback to peers

Peer-to-peer evaluation Definitions

Peer assessment or peer review provides a structured **learning process** for students to critique and provide feedback to each other on their work
(*Univ. of Cornell, USA*)

Peer assessment involves students taking **responsibility** for assessing the work of their peers against set assessment criteria
(*Univ. of Reading, UK*)

Peer-to-peer evaluation Goals

- Empower students to take **responsibility** for their own learning

- Enhance students' **learning**: study course material more deeply, exchange of ideas, knowledge diffusion

- Increase **motivation and engagement** to learn and to pay attention to other students' results

- Gain a better understand of **assessment criteria**

- Develop **lifelong** assessment and feedback **skills**

Peer-to-peer evaluation
How to…

- Preparation and **clear assessment criteria** are essential to enhance peer evaluation **validity**

- Let participants know **expectations and benefits** of engaging in a peer review process

- Clear directions and time **limits**

- **Open** sessions or **home** assignments

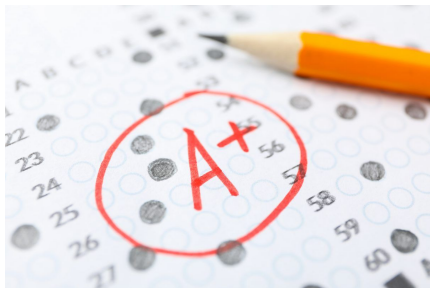# Peer-to-peer review
How to feedback

- Provide **examples** of feedback of varying quality, their usefulness and why

- Give **feedback** on students' feedback

- Listen to group feedback discussions and provide **guidance** and **input** when necessary

Peer-to-peer assessment
How to grade

- Can be done **openly**, encouraging comparison and discussion

- Can be done **anonymously** for more objective feedback

Peer-to-peer evaluation of

- **soft skills**, mainly individual efforts and contributions to **group work**

- **learning outcomes**, mainly after **project** based modules (artifacts, models, reports, **presentations**,..)

Peer-to-peer evaluation grid of

Learning Outcomes

- **EXAMPLE** Peer review of STEM Lesson Plans (outcome of our project)

- **ACTIVITY** Peer assessment of presentations (outcome of project based learning)

Peer-to-peer evaluation Example

PEER REVIEW OF our LESSON PLANS
GRID

Aims:
- feedback, no grades
- quality improvement
- deeper knowledge of all project outcomes

Methods:
- open session to promote discussion
- face-to-face activity

Let's build together our peer-to-peer evaluation grid!

PEER ASSESSMENT OF A PRESENTATION:

Norway
Turkey
Czech Republic
Cyprus
Estonia

Web Site references

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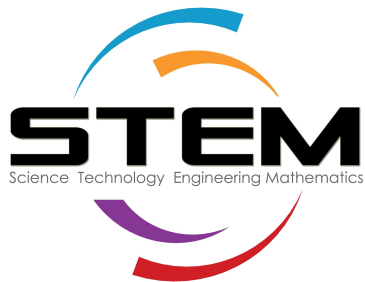
References

<u>Peer review and assessment:</u>

https://teaching.cornell.edu/teaching-resources/assessment-evaluation/peer-assessment#:~:text=Peer%20assessment%20or%20peer%20review,and%20improve%20their%20own%20work.

https://www.reading.ac.uk/engageinassessment/peer-and-self-assessment/peer-assessment/eia-peer-assessment.aspx

Thank you
for your attention!