



Evaluation, knowledge creation and professional development in the ALC

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Project Future Learning Spaces

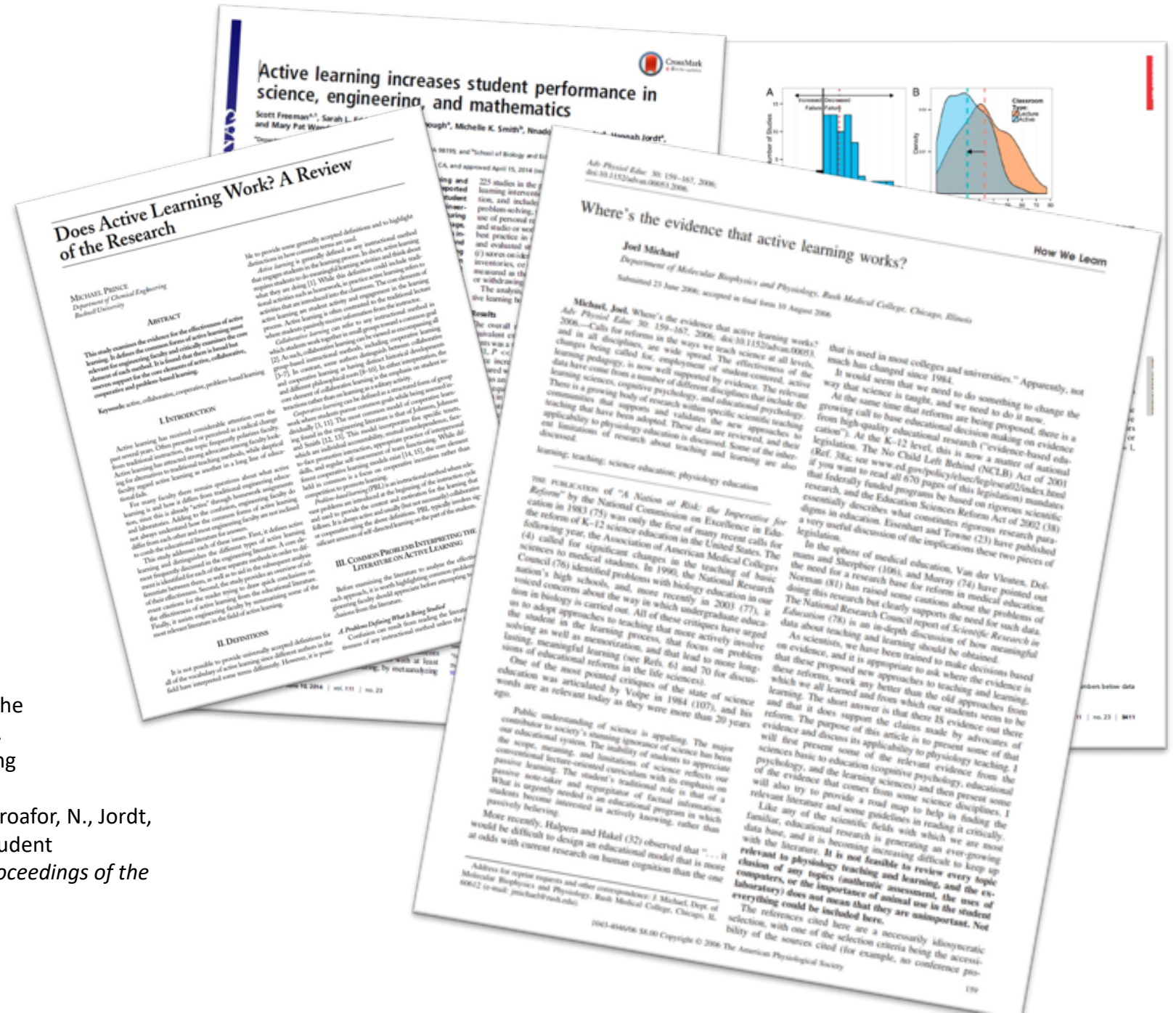


*“How can we support
and strengthen
Utrecht's educational
vision with the
physical learning
environment?”*



Active Learning works!

- Prince, M. (2004). Does active learning work? A review of the research. *Journal of engineering education*, 93(3), 223-231.
- Michael, J. (2006). Where's the evidence that active learning works?. *Advances in physiology education*, 30(4), 159-167.
- Freeman, S., Eddy, S. L., McDonough, M., Smith, M. K., Okoroafor, N., Jordt, H., & Wenderoth, M. P. (2014). Active learning increases student performance in science, engineering, and mathematics. *Proceedings of the National Academy of Sciences*, 111(23), 8410-8415.



Active Learning Classrooms help facilitate Active Learning

Teaching & Learning Lab



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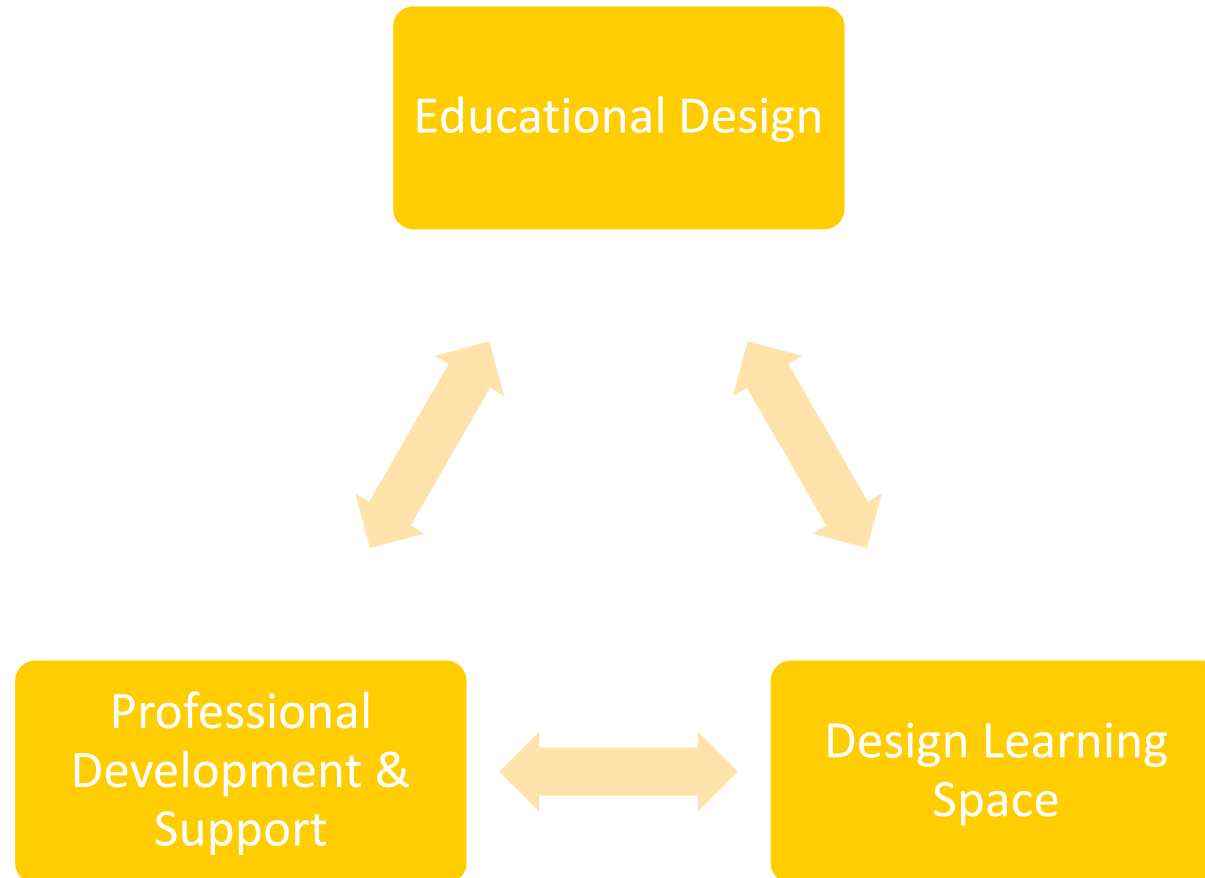
Hybrid Active Learning Classroom

SYNERGY

$$1+1=3$$



Sub project Evaluation & Knowledge Creation & Professional Development



Evaluation questions

- How can a **mentoring trajectory** for teachers be developed and implemented to support teachers in designing interactive learning activities in the FLS?
- How can the **interactive learning activities** be carried out in the relevant FLS?
- Which **points of attention** are relevant when (re)designing the current and future FLS in order to be able to carry out the relevant interactive learning activities?



Universiteit Utrecht



*Curious?
Join me!*



What did we do?

DD maand JJJJ

- A. Developed a mentoring trajectory
- B. Collected and analyzed data
- C. Wrote a report

5 teachers joined
2 different ALCs



A. Developed a mentoring trajectory

DD maand JJJJ

Meeting 1

Support teachers in educational design

Meeting 2

Instruction of and practice with (technical) possibilities in FLS

LESSON

Meeting 3

Evaluation of observed lesson

Meeting 4

Reflection on lesson, FLS and trajectory.

B.+ C. Collected and analyzed data

- meetings
- lesson plans
- lesson observations
- teacher and student surveys



D. Wrote a report

End phase

Finish half/end november



What do you do?

1. Job
2. Learning spaces
3. Teacher development



Deliverables

- A **mentoring trajectory** for teachers to support them in designing and implementing interactive learning activities in the current and future FLS.
- A **checklist** of points for attention to optimize the design of the current and future FLS in order to be able to carry out the interactive learning activities.
- **Recommendations** on how to shape interactive learning activities in the FLS.

Why teachers recommended FLS

- *If you want interaction within groups, this is the setting to go for.*
- *Ideal for group work requiring teacher assistance.*
- *Better interaction, better sense of what your students are doing.*
- *Provides connection and interaction, easy to split into groups and at the same time easy to attend plenary.*
- *Flexibility; easy to change the room depending on the needs.*
- *It is a great place for collaboration and gives students an active voice.*
- *The spacious stimulates interactivity and play, that's what it's all about.*



Why students recommandated FLS



- *It stimulates group and teacher interaction.*
- *It makes lessons very interactive and makes it easier to stay focused.*
- *It's the best workgroup room I've ever been in. All workgroup rooms should be like this.*
- *Great for working in groups and if needed you can use the webcam to connect with students who are not there.*
- *Nice to have your own screen to share findings with your own or other group. More comfortable, easier to connect.*
- *Nice that it's more of a circle instead of teacher versus students.*
- *It's fun and it gives you autonomy to facilitate your own projects.*

Recommendations 1

- **Developing a lesson plan** can help to make conscious choices in shaping learning activities in relation to the learning objectives.
- It is valuable to shape teaching in the FLS **together with colleagues** and to reflect on this.
- **Make a conscious choice** to use **hybrid** education or not. Provide extra support for the online participants in case of hybrid education.
- Have teachers who have taught in the rooms **share their experiences and lesson plans** as **examples and good practice** for other teachers.
- As a teacher, regularly **walk around the groups** to monitor the learning process.

Recommendations 2

- Indicate **for which activities** the space is or is less suitable.
- **Make a visual overview** of which set-ups are possible in the room and explain for which work forms you can use which set-up.
- In addition to a manual, teachers find **a short meeting in the room** very useful.
- Ensure **sufficient availability** of the FLS. There is a particular need for spaces that are suitable for **interactive, activating teaching methods**, such as the Active Learning Classroom.



*What
recommendations
do you have?*