

Student Centred Cloud Tools in Distance Education

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Bakgrundsbeskrivning

- How can technology be used effectively in courses to enhance student centred learning?
- What digital tools are there and how can they be used pedagogically to inspire creativity, collaboration and critical thinking.





Problemformulering

- How is teacher awareness and usage of digital cloud-based tools?
- Are cloud-based tools seen as a benefit or a hinderance?
- To what extent are they being used and how?
- What is the current level of competence?
- What steps might further improve knowledge and competence?



https://www.miun.se/medarbetare/gemensamt/servicetjanster/it/moIntjanster/



Metod

- Surveyed NMT teachers involved in distance education.
- Measure usage of approved cloud-based tools
- Measure usage of alternative cloud-based tools
- Discussion of cloud-based tools in a teaching context

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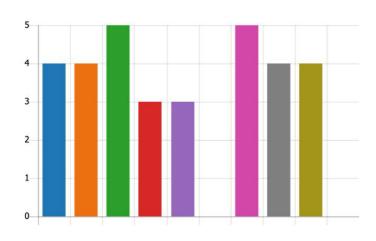
Resultat

 32 Responses from NMT teachers with distance courses

1. Which department do you work at?

More Details







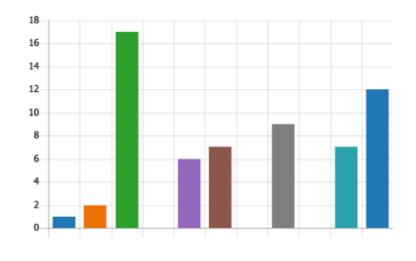
Approved tools

- 50% use Mentimeter
- 1/3 use Padlet.
- Trello and Mural popular.
- 37.5% don't use cloud tools

2. Which of the following cloud tools are you using in your distance courses?

More Details

 Feedback Fruits 	1
Lucidchart	2
Mentimeter	17
Mindmeister	0
Miro	6
Mural	7
Nearpod	0
Padlet	9
Polly	0
Trello	7
 None of the above 	12





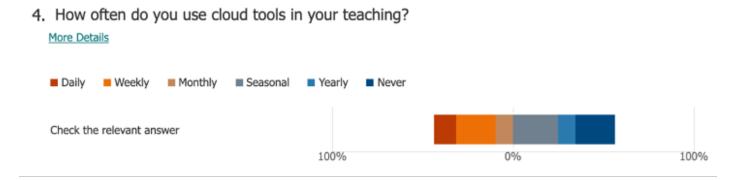
Other tools

Design tools	File sharing/Storage	Communication	Video	Version management	Survey tools	Examination
Canva	Google Drive	Discord	YouTube	Github	Google Forms	Inspera
Diagrams.net	Sound Cloud			Bitbucket	DirectPoll	
Figma						



Frequency

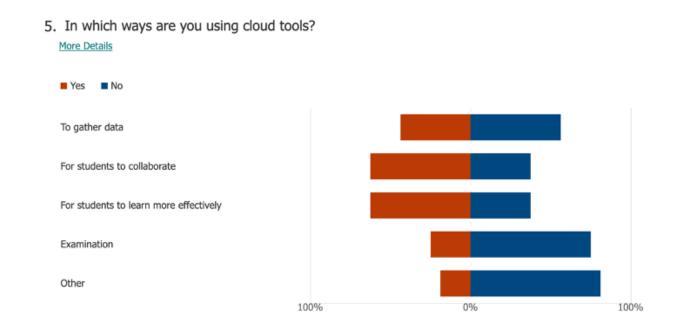
- 44% percent of the use cloud tools often
- 34% use them occasionally
- 22% don't use them





Useage

- "tools with better aesthetic visually"
- "better student collaboration and to collect student experiences"
- "for turning in complex assignments and for info that is constantly being updated"
- "for visualisation of systems i.e., systems analysis"





Benefits

Collaboration, real time collaboration and making the students more active and engaged

To get our distance students in a simple way together with our campus students to be able to discuss and make visible to each other what they come up with.

To create a visual "classroom"

To follow the progress of the students

No need to install software locally on computer (avoids problems with students who have different OS and not admin rights).



Challenges

- Difficult to get the students to take part in pre-recorded of material
- Lack of mathematics editor
- Security and login issues
- ✓ To use different programs at the same time
- Finding the time to find, evaluate and learn the best tools
- Dependence on internet connection



Support learning

- Discussions and reflections in real time with everyone else help students reach further in their learning.
- *

Force students to share thoughts and see how other people think

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Feeling of togetherness.

More fun, more varied and easier teaching with better opportunities for group work with both Campus and distance students

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Location independent



Student Collaboration

They can work, discuss and brainstorm together in real time with tools such as whiteboards, Trello, Lucidchart, Miro, Figma and others.

Digital tools change power dynamics, sometimes I feel that digital collaborations are more democratic and can facilitate access for students to collaborative dialogue.

Better communication platforms provide better collaboration.



Teacher awareness

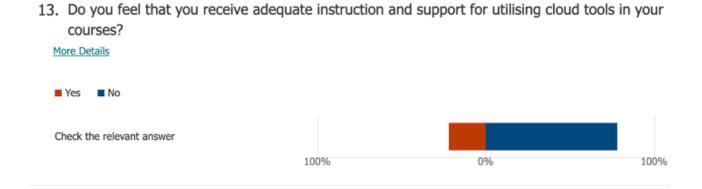
- 59 percent responded that they were aware
- 41 percent responded that they were unaware





Teacher support

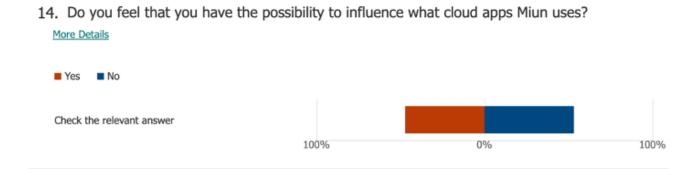
- 22 percent responded that they did
- 78 percent responded that they did not





Influence apps

- 47 percent responded yes
- 53 percent responded no





Fortsatt arbete

- Interview key candidates to dig deeper
- Additional guidance and support necessary
- Better awareness of what there is and how to use
- Collegial approach to spread awareness and support
- ALP research project

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Tack!