



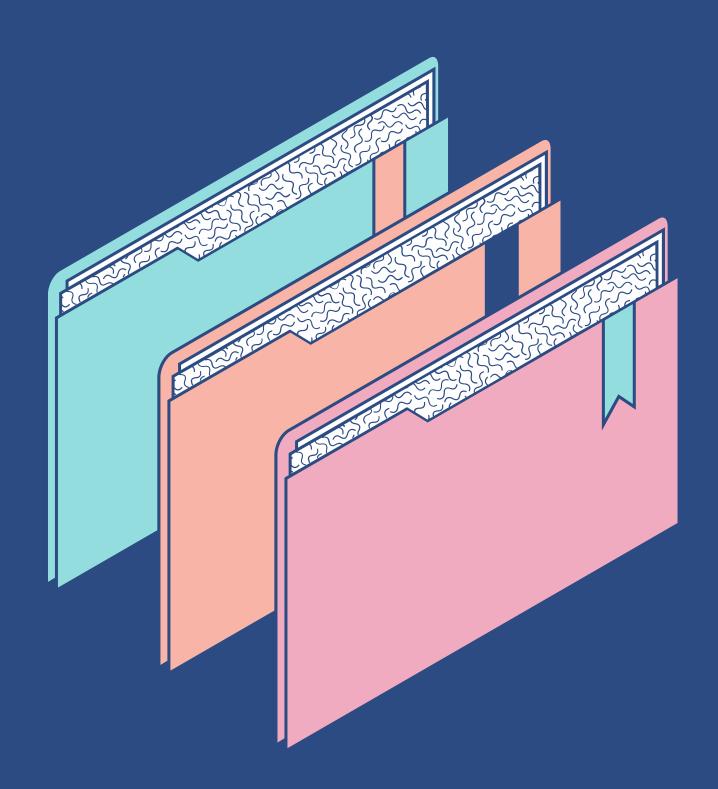
How Technology is Changing Education - Assessment tools

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Course: Education on the Horizont

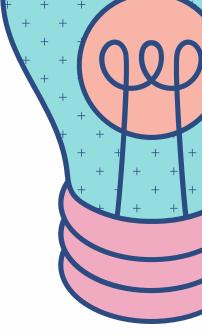
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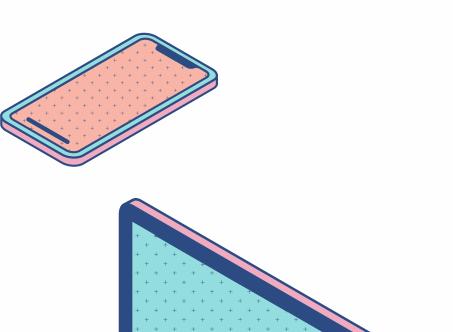


Agenda

- What are Assessment tools and their main functions.
- The impact of Technology on Teaching and Learning
- Benefits of Interactive Technology
- Categories of Assessment tools

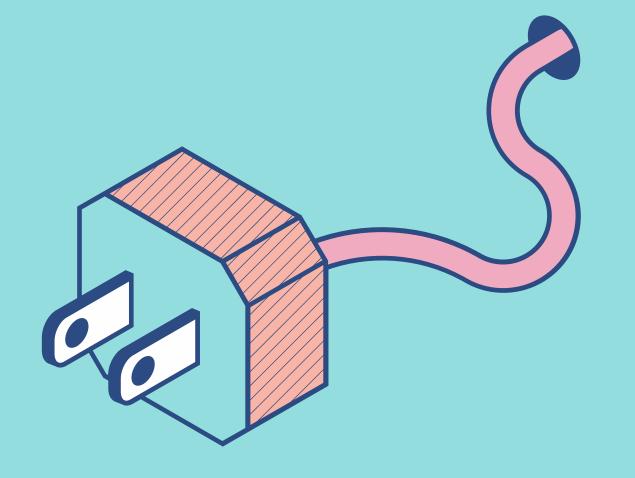
WHAT ARE ASSESSMENT TOOLS?





- Instruments in the form of techniques that identify strategies for improving students learning experiences
- Tools are used to:
 - 1. measure a student's academic abilities, skills, and/or fluency in a given subject.
 - 2. measure one's **progress** toward academic proficiency in a specific subject area.

The Impact of Technology on Teaching and Learning





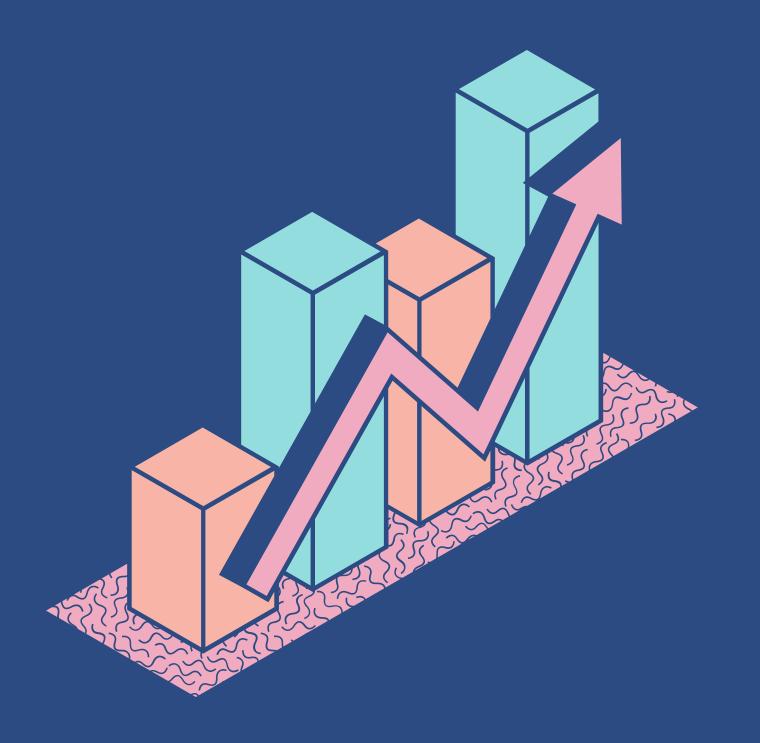
Traditional Teaching and Learning

- Physical learning materials and equipment like paper, pens and chalkboard
- Teaching and learning typically occurs in an in-person classroom setting
- The educational methodology is almost the same for everyone.

Teaching and Learning with Technology

- Wider access to education materials and information
- More available channels and tools for communication as well as collaboration
- Enables a more personalized kind of learning for students

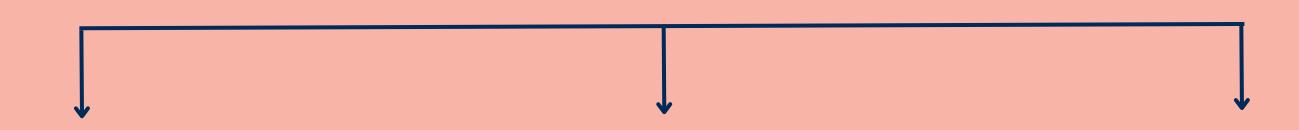
Benefits of Interactive Technology



Benefits to teachers

HOW TECHNOLOGY HELPS TEACHERS
DO THEIR WORK





Allows teachers to be more flexible

Helps teachers connect more with students

Allows access to more resources

Benefits to students

HOW TECHNOLOGY HELPS
STUDENTS LEARN



Allows for a more personalized learning experience

Improves students' communication skills

Helps students prepare for the future

Feedback tools

Feedback tools are a kind of Assessment Tools that help teachers give faster and better feedback to students through their specialized design.



Can be used to:

create lessons and assignments



Price

basic plan: free pro plan:

- for teachers 18\$ per month
- for schools 275\$ per month

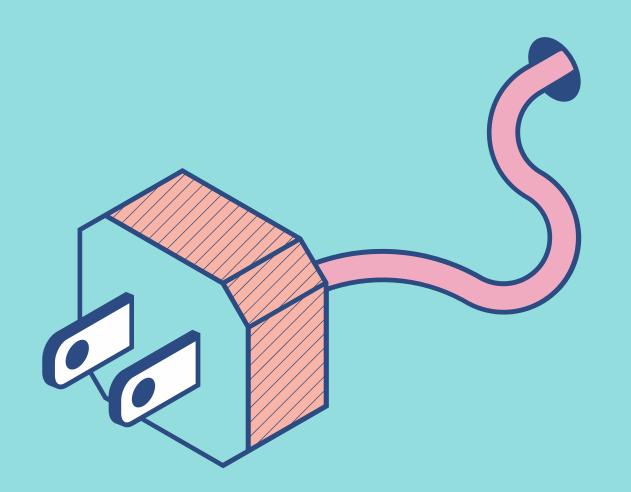
Class size

unlimited

Requirement for usage:

access to the Internet and a Computer/Tablet

Functions:



- 1 create and share assignments
- observe students work in real-time
- 3 give feedback in real-time
- 4 students: request anonymous help

Functions: Free Versions vs Pro Version

Free	pro
20 assignments	unlimited assignments
none	ability to create folders and sub-folders
none	student portfolio accounts
none	export grades and answers
none	teacher and students export their work to pdf's

SAMR model

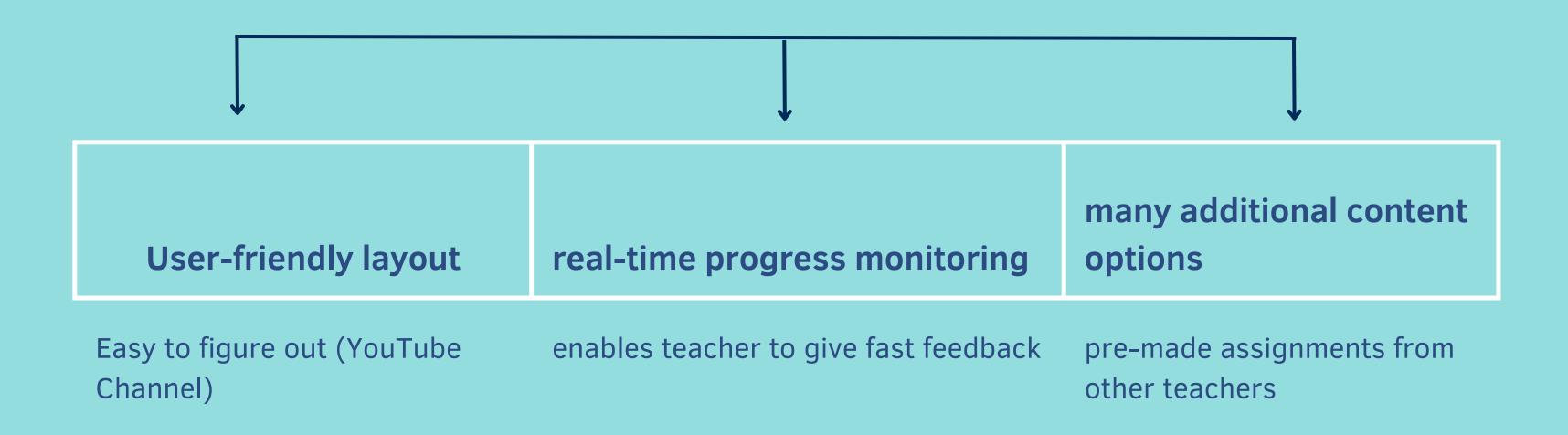
- Substitution Technology acts substitute, no functional change
- Augmentation T. acts as direct substitute, with functional improvement
- Modification T. allows for significant task redesign
- Redifinition T. allows creation of new tasks previously incoceivable

SAMR - Classkick

Substitution	 complete assignments in digital form instead of physical paper
Augmentation	 quicker real time feedback which enables students to move on and learn faster
Modification	 possibilities to include image, video or audio answers to questions enabling students to learn by using multiple mediums
Redefinition	 students can anonymously ask for help from peers in real time advanced students can teach others

Advantages

HOW CLASSKICK HELPS TEACHERS
DO THEIR WORK



Disadvantages



Accessibility

writing does not function well

free version lacks functions that are crucial

multiple reports of students and teachers that writing is not smooth



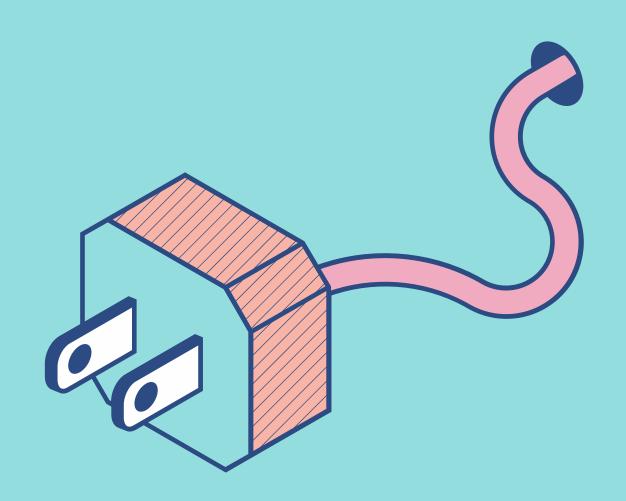
Conclusion

Classkick is a great tool for:

- personalized learning
- cooperative learning
- synchronous and asynchronous learning

but

- It does not fully replace old forms of teaching
- it enhances current forms of teaching



Quizzes and Polls

Quizzes and Polls can be used to measure the students pre-existing knowledge or to repeat what they 've already learned.





Can be used to:

create forms, surveys, quizzes; collaboratively edit and share forms with others

Price

Free

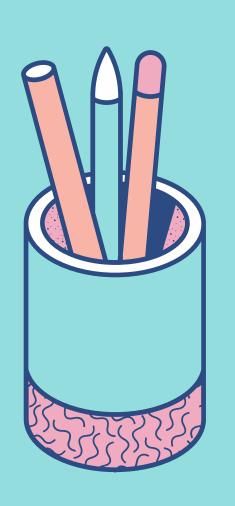
Class size

unlimited

Requirement for usage:

sign in to Google

Using google forms



- use pre-designt templates
- designt on your own (include images, videos, upload filter etc.)
- "summary of responses" feature
- 4 give and receive feedback
- 5 create, access and share content

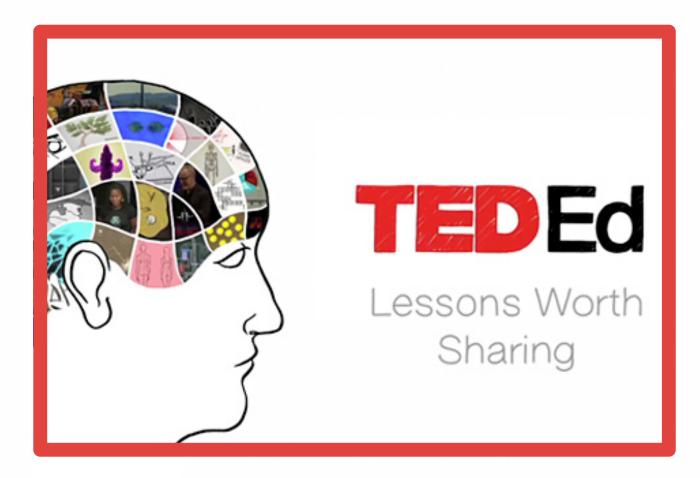
SAMR model: Google Forms

Substitution	filling out forms online instead of using paper and pen
Augmentation	 curating students' responses on the spreadsheet automatically absent students complete the Google form out of school teachers design self-grading quizzes that offer students instant feedback
Modification	 Teachers and students collaboratively analyse, contrast, and compare results immediately after individuals fill out form
Redefinition	 teachers can reach unlimited learners all around the world and can share results with them students can collect data from individuals all around the world for their research projects

Interactive videos tools

Interactive videos help to keep learners well engaged. The learning experience is not merely one-way communication, but the learner gets involved by taking on an active role while watching the video.





Can be used to:

structures an assignment around a video and assess students' engagement with the material.

Price

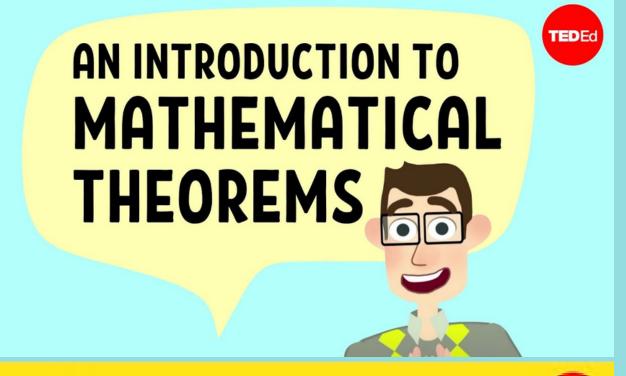
Free

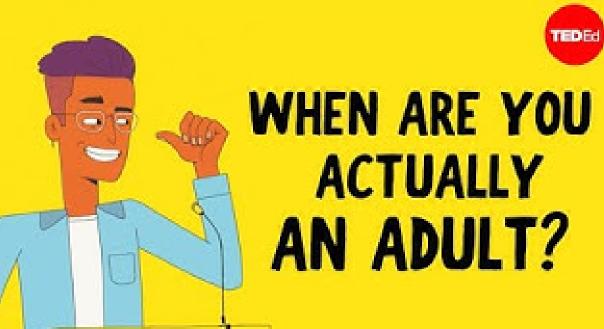
Class size

unlimited

Requirement for usage:

access to the Internet







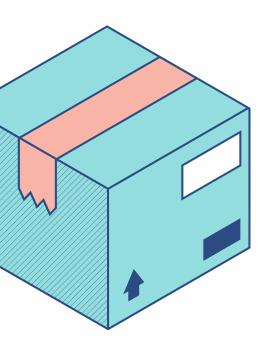
Using TED Ed

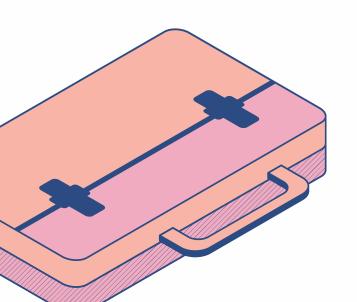
- deeper level of engagement = deeper level of learning
- 2 enhance understanding
- enable learners to actively participate with video
- give and receive feedback

SAMR model: TED Ed

Substitution	 students will independently watch a video, answer written questions and participate in online discussions.
Augmentation	 as students discuss and answer questions about the video, a teacher can respond privately and individually.
Modification	 students' attention can be easily drawn to specific segments of the video for independent review.
Redefinition	 students can create their own lessons and share the link with classmates, peers in other schools and experts in order to broaden the discussion.

References





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