How forced online classes can finally enable educators to improve learning

Photo by Bongkarn Thanyakij - Pexels

Fred Pacheco

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Fred Pacheco

Fred Pacheco is an Experienced professional in Marketing Management and Corporate Education with almost 20 years of executive roles, both in Brazil and US, including startups and Forbes 500s. Strong academic education at major international universities – including one Master in Education Technologies. Always up to date with innovation, lecturing at Graduation courses.

TRAINING AND CONSULTING

Each course is different

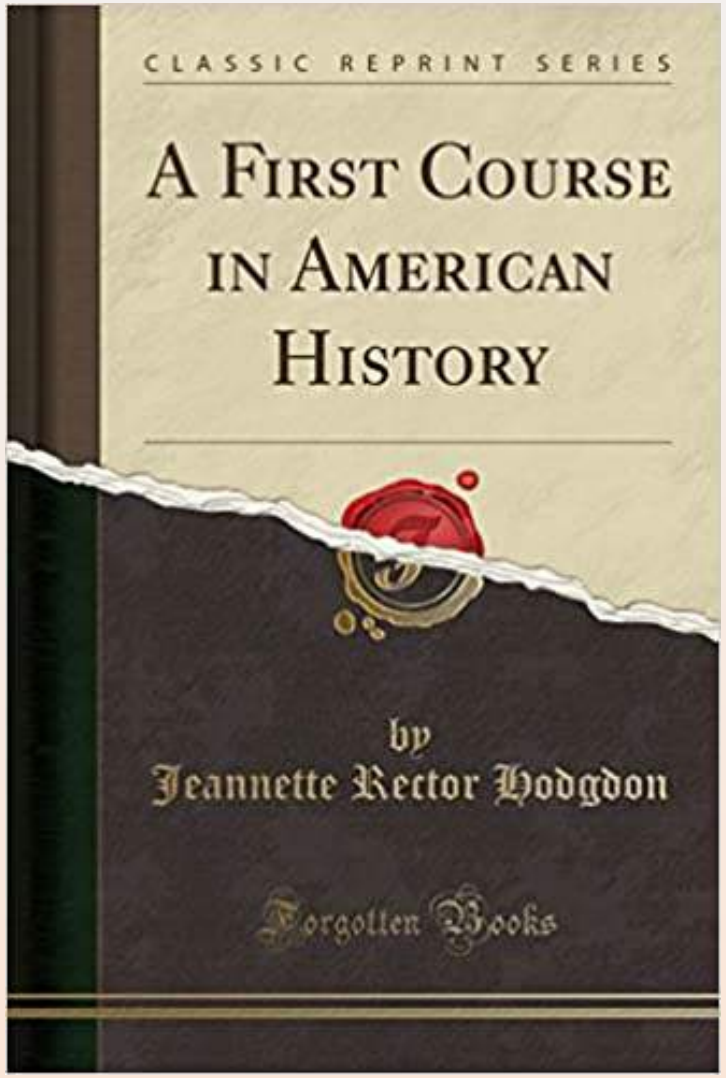
- Lectures or Workshops
  - maximum of contents in a short time
  - learn new experiences and build network
- Academic discipline
  - content of each class should connect to something bigger
  - intensive content could be tiring in the long run
- Non-academic course
  - practical experiences, labs, physical postures etc.
  - individual instructions and development follow-up

Education has hardly changed until now

Distance learning is not new...

First Epistle of Paul to the Corinthians, A.D. 54

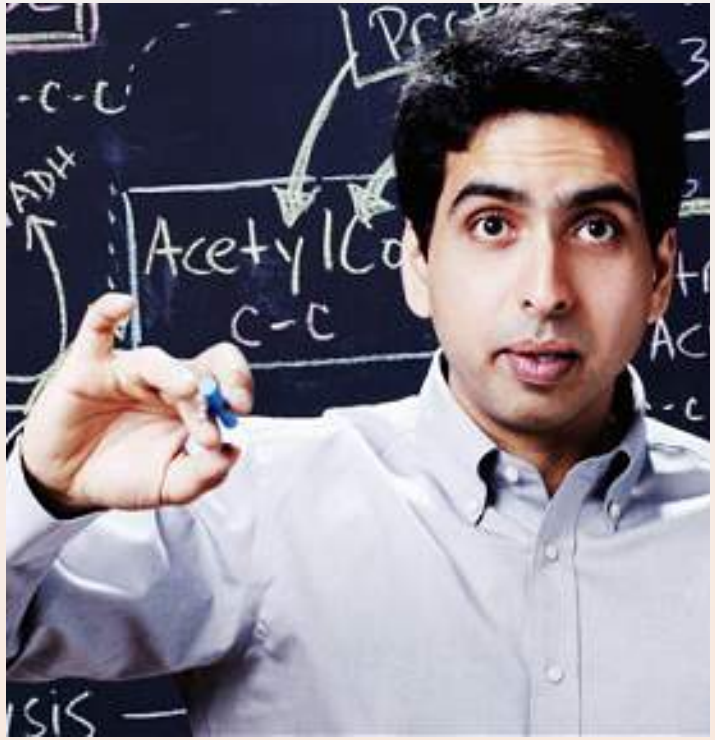
Distance learning is not new...

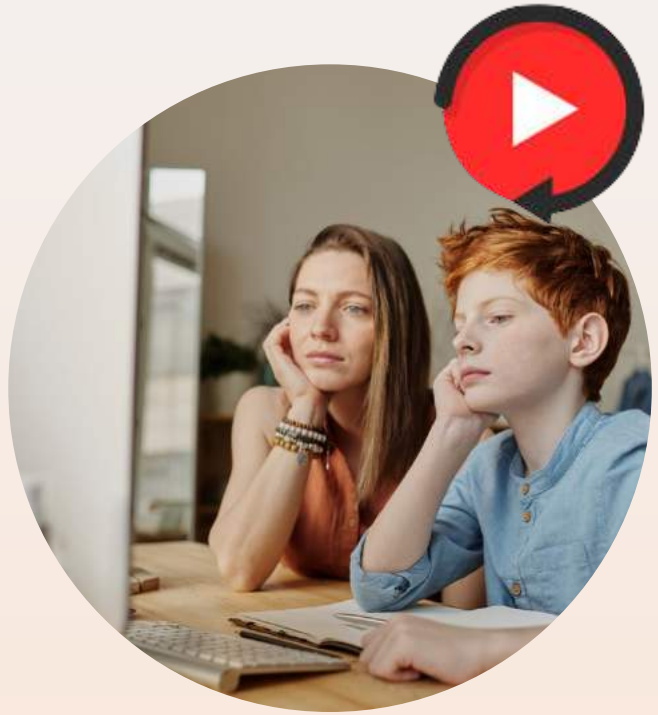


Gutenberg's Press, 1430

US Mail Courses, 4Mi students, 1920

Learning new formats





Khan Academy

(2008)

Photos by Andrea Piacquadio and Julia M. Cameron - Pexels

Learning new formats – MOOCs (2012)

coursera

UDACITY

edX

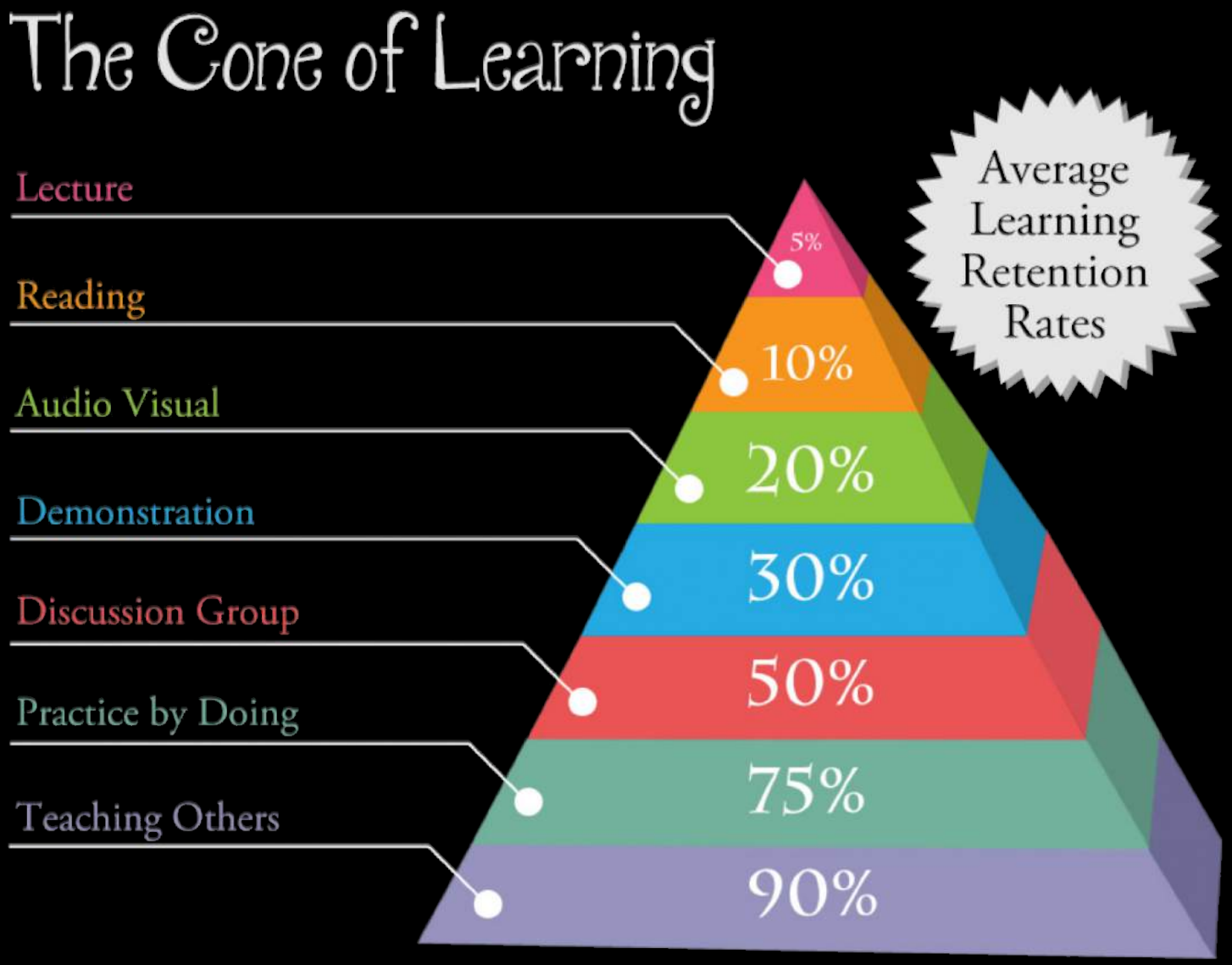
Khan Academy

How learning technologies can change education

Trends in Education post-pandemic

- Active Learning techniques
- Flipped Classroom
- Adaptive Learning tools
- Live and OnDemand
  (synchronous + asynchronous)
- Hybrid teaching classes *(online + in-person)*

Active Learning: Student Centered



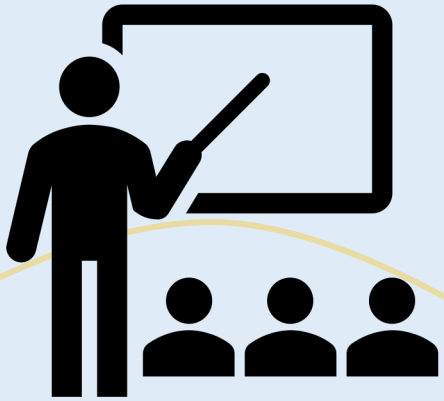
Some examples:

- Problem-Based Learning
- Problem-Solving
- Role Playing
- Discussion Boards
- Learning by Teaching
- Project-Based Learning
- Game-based Learning
- Think-Pair-Share

Active Learning: Students Responsibility

Traditional Classroom Model

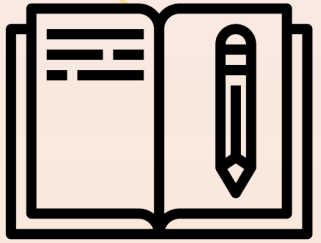
IN CLASS



Professor presents a lecture and students take notes

OUT OF CLASS

Students are supposed to look over the material

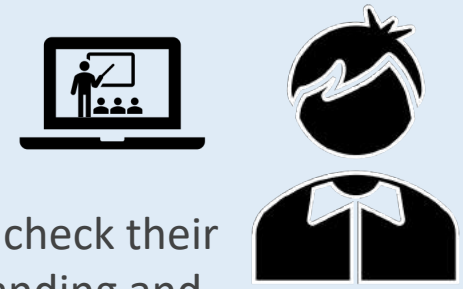


Attempt to do homework but has no ways to clarify doubts

Flipped Classroom Model

OUT OF CLASS

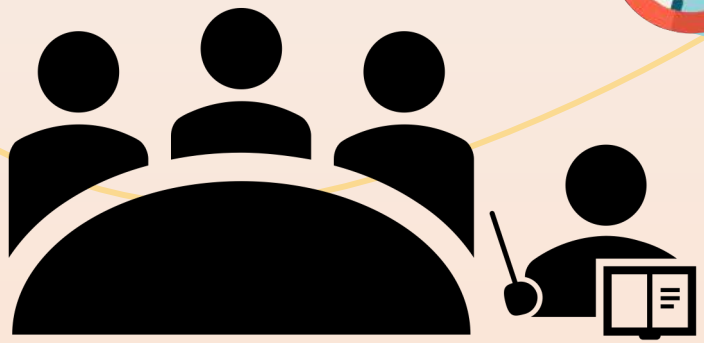
Students learn the theory by themselves in prior



Students check their understanding and extend their learning

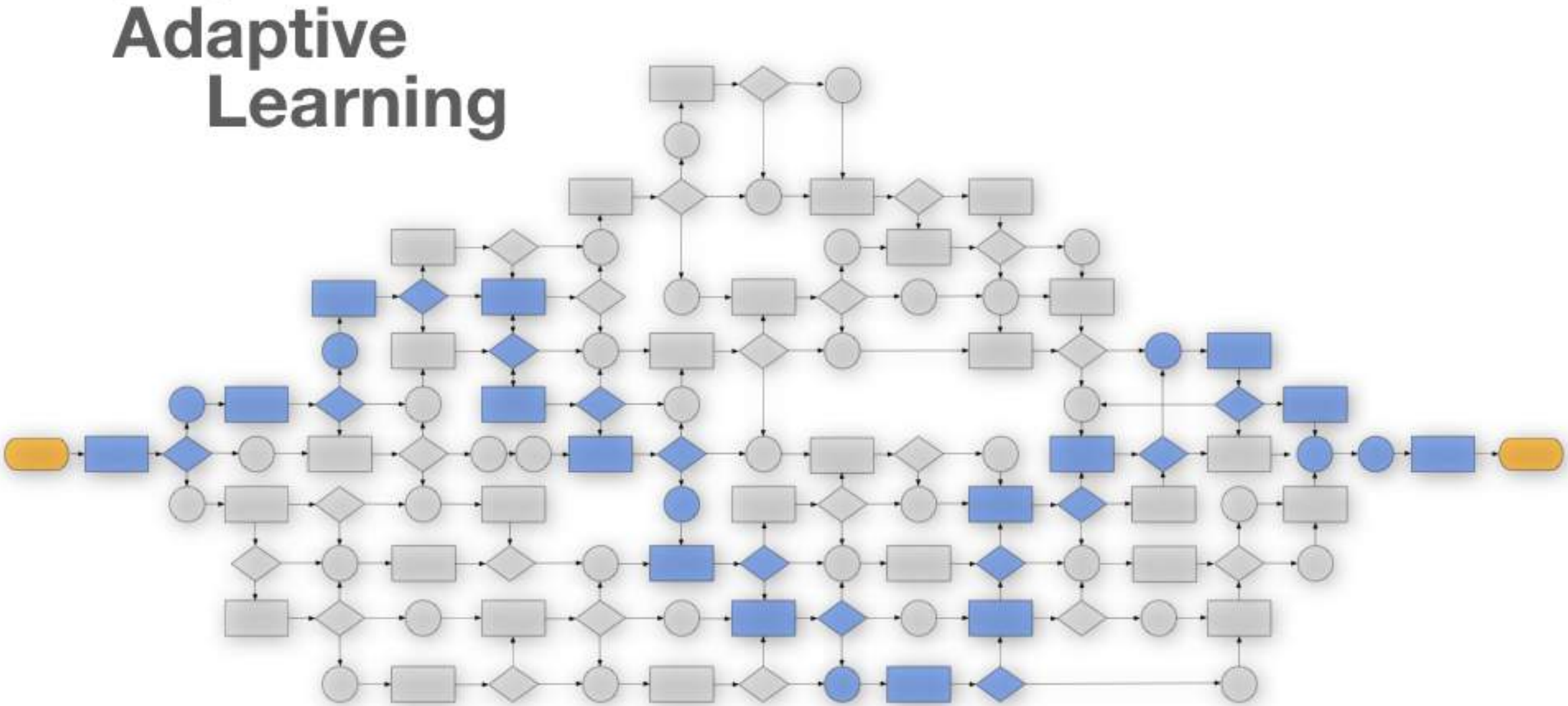
IN CLASS

Students clarify doubts and practice together in classroom, applying key concepts and having feedbacks



It's a much better use of time in class

Adaptive Learning



Synchronous activities

1 ½ hour longer top

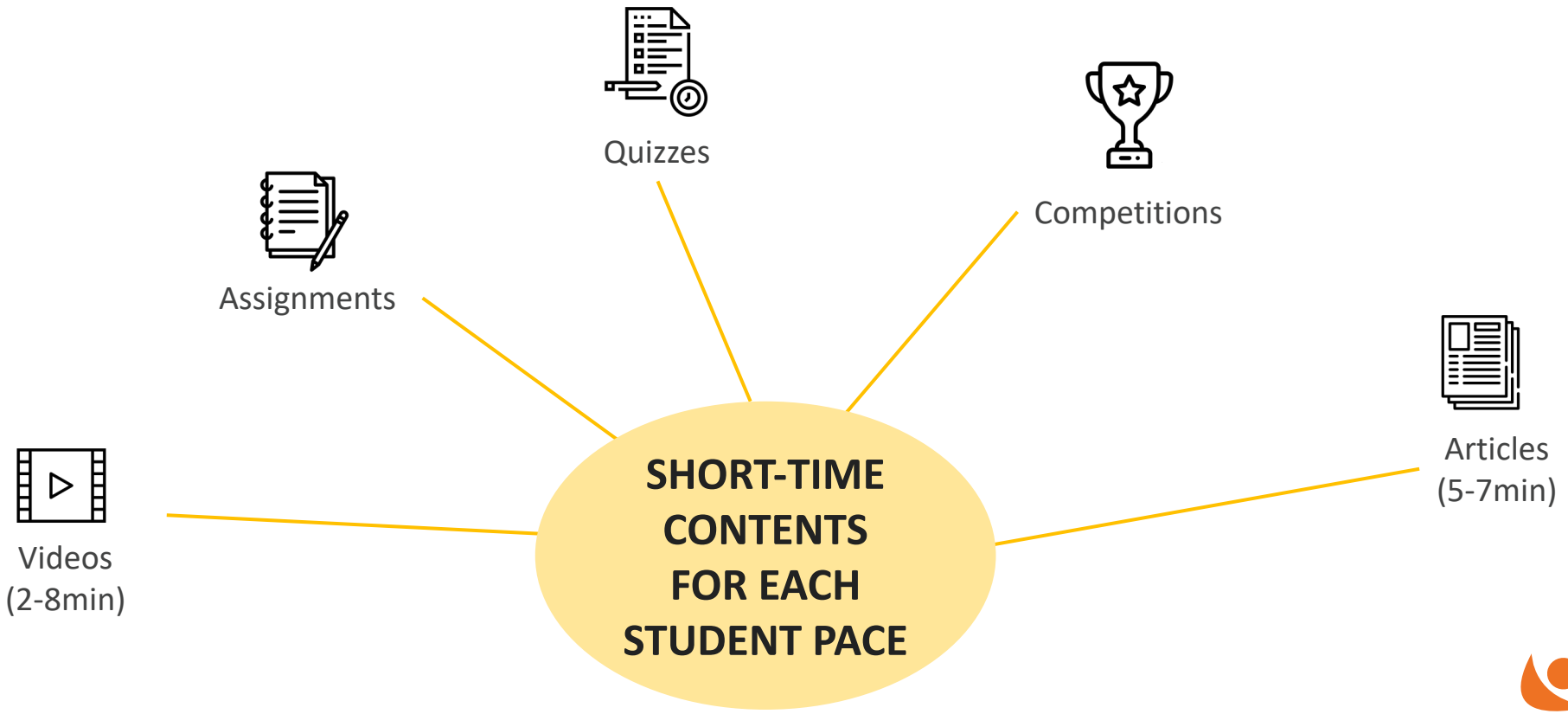
TAKE ADVANTAGE OF THE LIVE ATTENDANCE

- Polls
- Breakout rooms
- Discussions
- Debates
- Q&A

nchronous:
tual classroom, I
t, instant mess
t, live quizzes,

Asynchronous activities

Promote engagement through multimedia

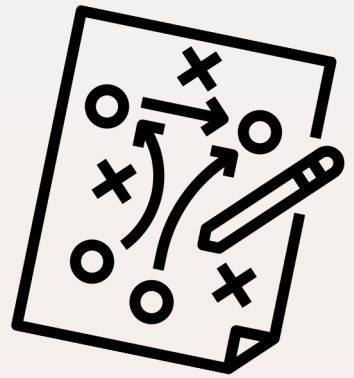


Online teaching tips

- ✓ **Do focus on preparation** *(pre class)*
- ✓ **Do keep classes varied** *(some activities)*
- ✓ **Do allow time to form connections**

- **Don’t assign too much reading**
- **Don't be obsessed with technology**
- **Don’t try to cover too much**

Classes planning check-list



- **Pre class**
  - Prep by students, flipped classroom
  - Vary media: reading articles, videos, games
- **During class**
  - Interactive: polls, q&a, chat, student-led, breakout rooms
  - Student’s shared screen
- **Post class**
  - Reflections

Mix it up! Combine some learning experiences

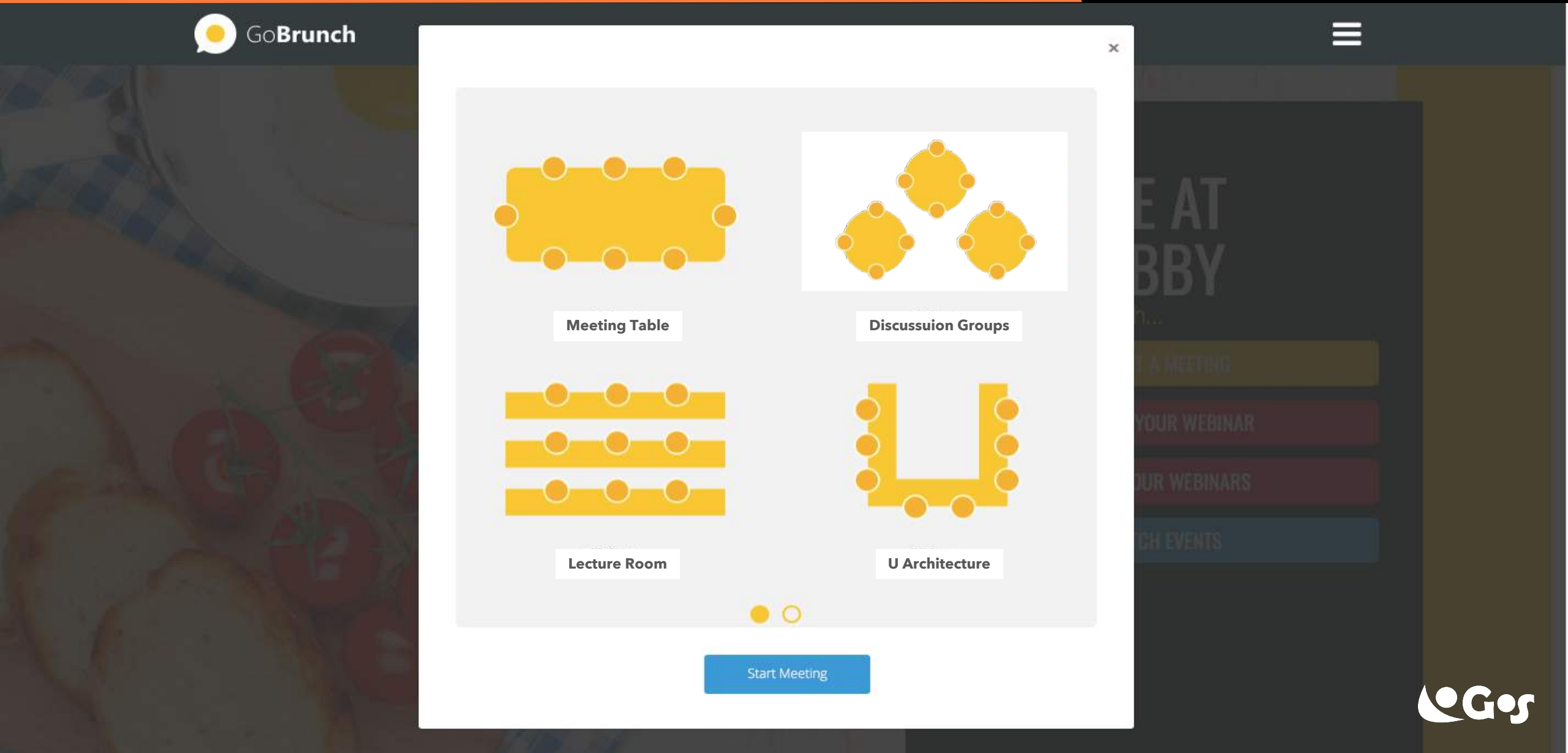
Guiding questions

- Who are my course participants? *(digital natives, generation Z…)*
- What behavioral profile do they have? *(more agitated, more mature ...)*
- How familiar are they with technologies? *(heavy users, low tech…)*
- Are you used to online contact?
  (they work on the computer, they already have online meetings...)
- What kind of digital tools are they used to using?
  (whatsapp, zoom, tiktok...)

Guide of useful interactive tools

- Videos for asynchronous learning
- Dojo approach with student sharing screen
- Laboratories allow students to practice *(together or alone)*
- Assignments and final projects
- Case study driving discussions
- Quizzes and competitions

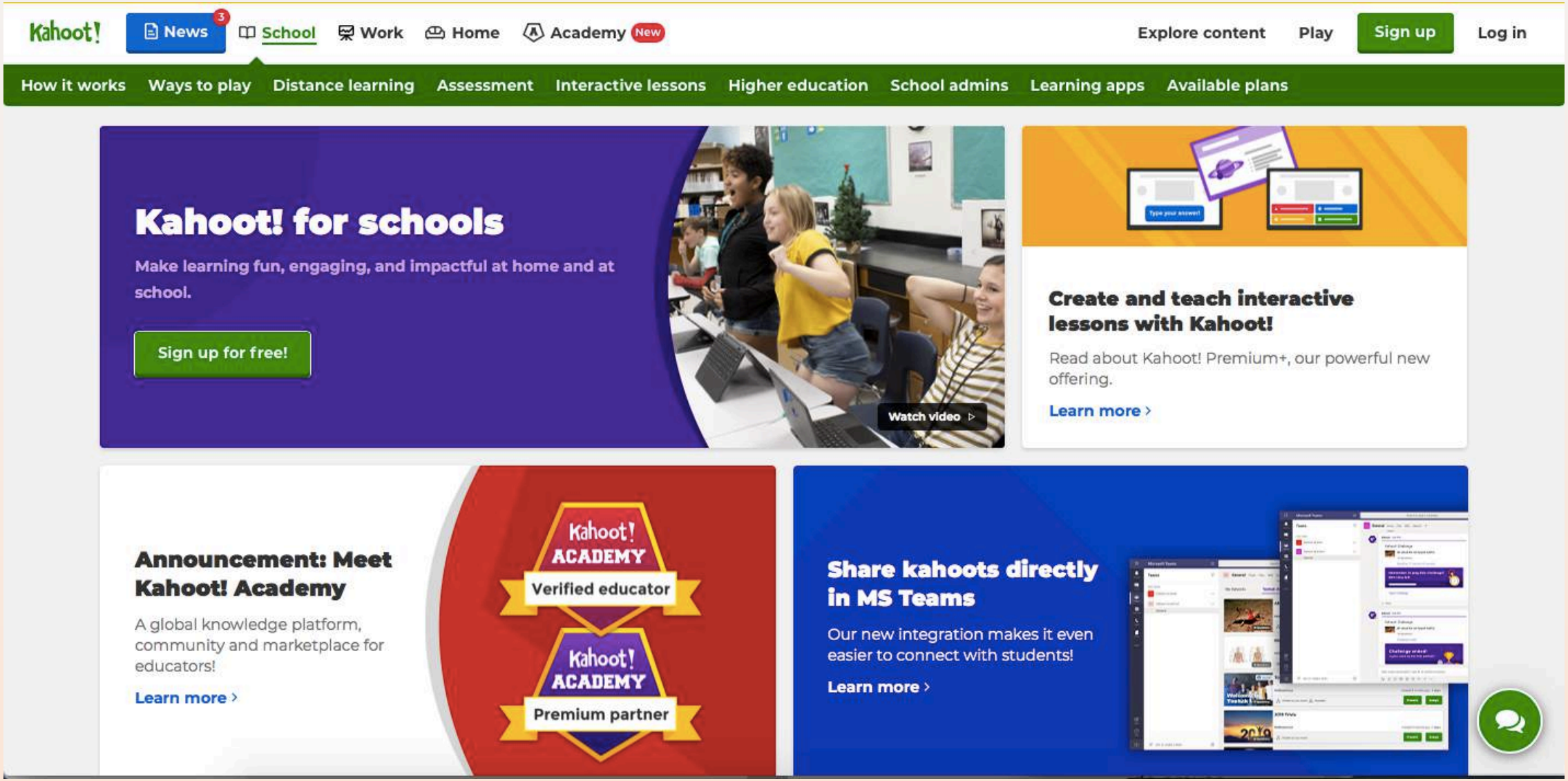
Choose the right style to set the tone



Gamification

Quizzes tool: Kahoot!

https://kahoot.com



Which of the following statements is wrong? Responsible management...

110

Skip

0
Answers

▲ ... integrates sustainability, responsibility, and ethics.

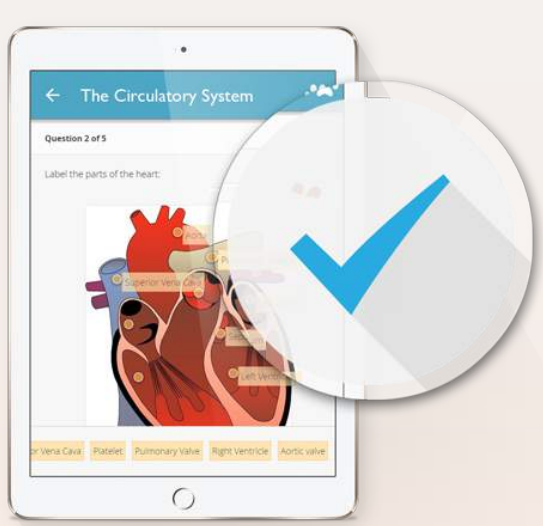
◆ ...centers on moral excellence, TBL, and stakeholder value.

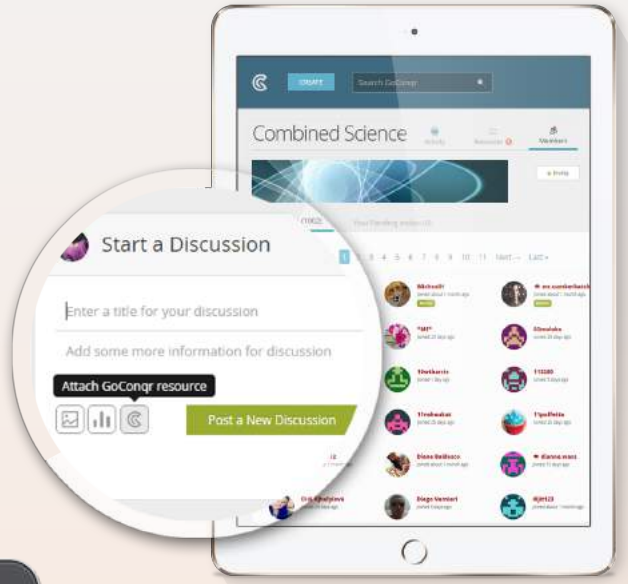
● ...is responsible, sustainable, and ethical management.

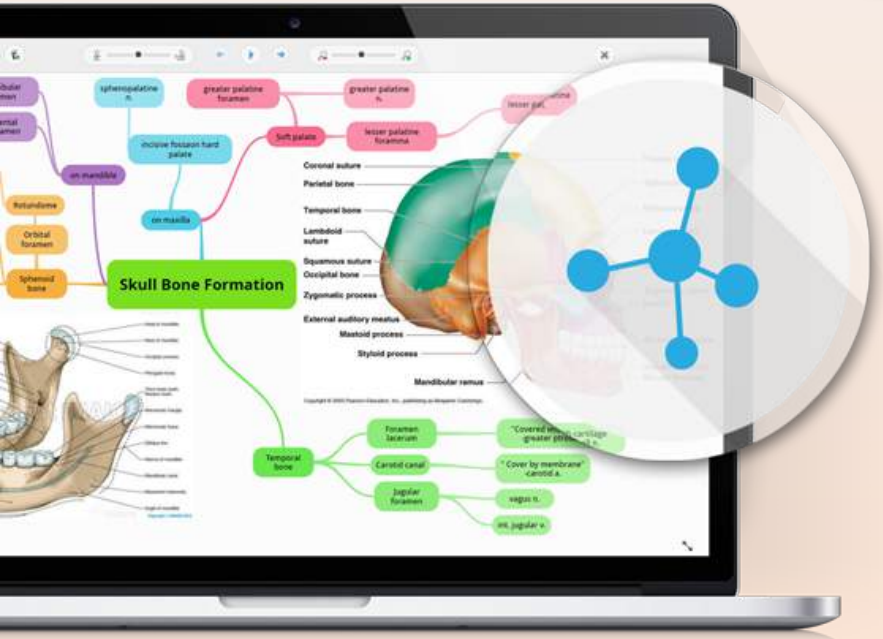
■ ...is a synonym for responsibility management.

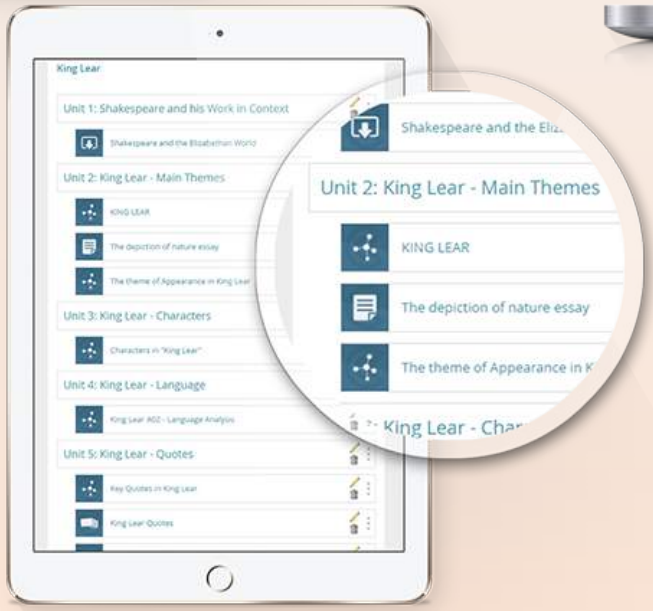
Complete solution: GoConqr

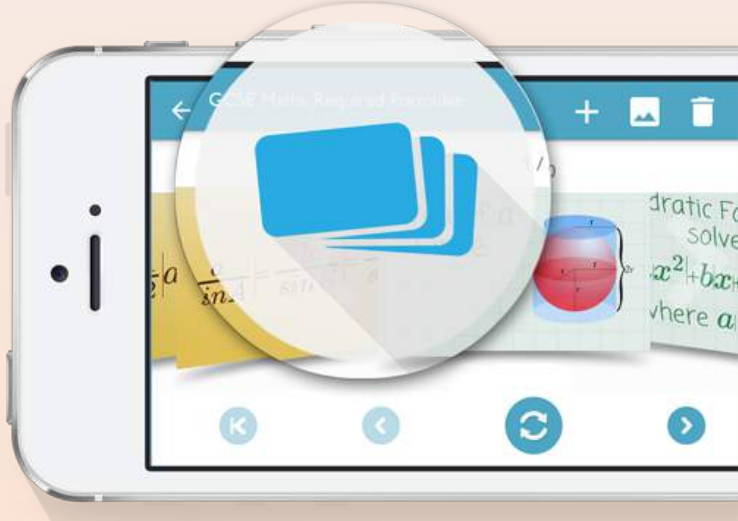
https://www.goconqr.com





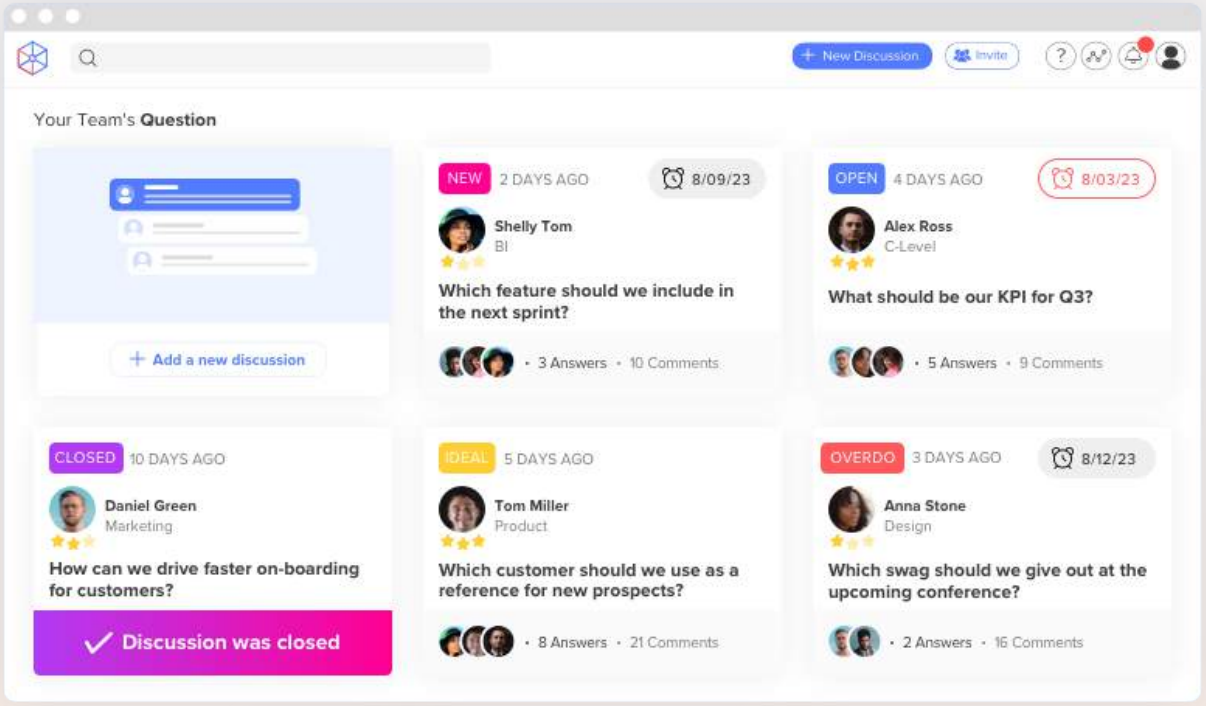


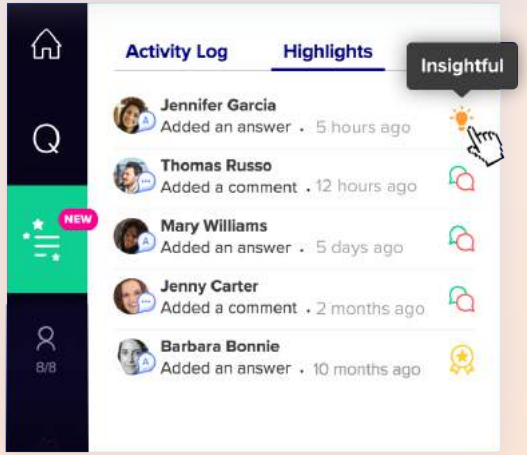


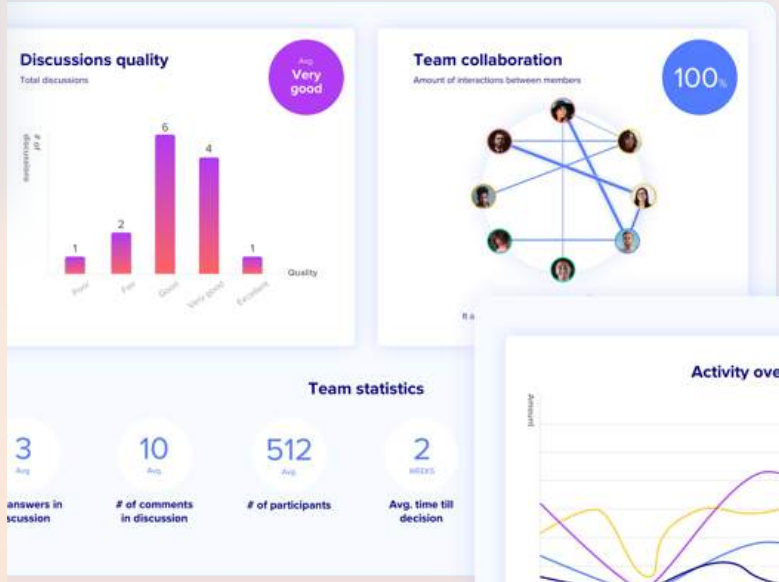


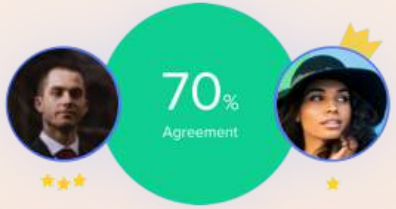
Students Centered Collaboration: Ment.io

https://www.ment.io





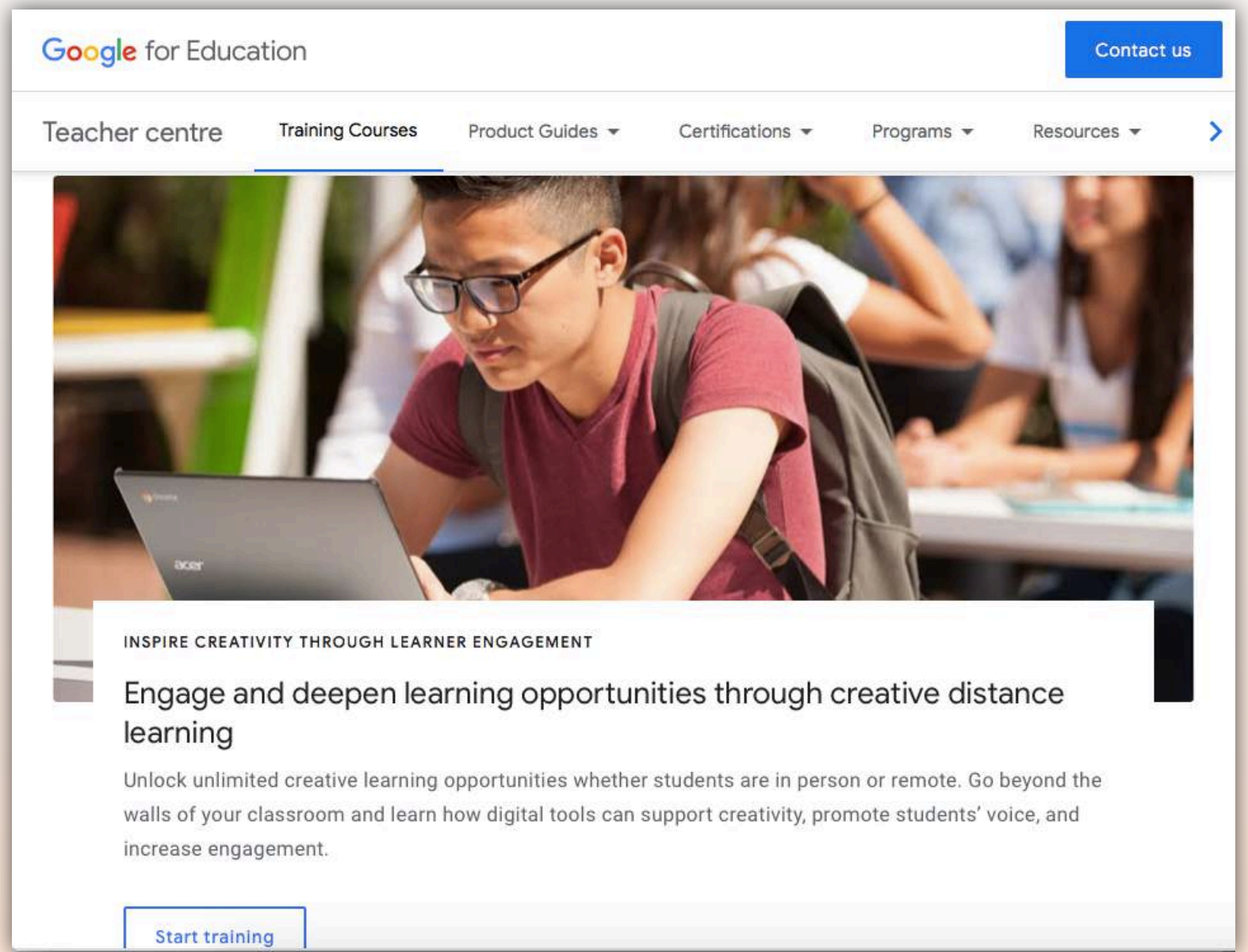




More powerful tools

- Sources of information / prep study
  - https://ed.ted.com
  - https://www.youtube.com/user/crashcourse
  - https://www.khanacademy.org
- Animated cartoon custom presentations
  - https://www.powtoon.com
- Interactive whiteboard
  - https://www.educreations.com/
- Create asynchronous interactive classes
  - https://nearpod.com

Lifelong learning for educators



https://edu.google.com/intl/en_us/teacher-center/training

https://skillshop.exceedlms.com/student/path/30509

https://www.coursera.org/learn/teach-online

Final tips

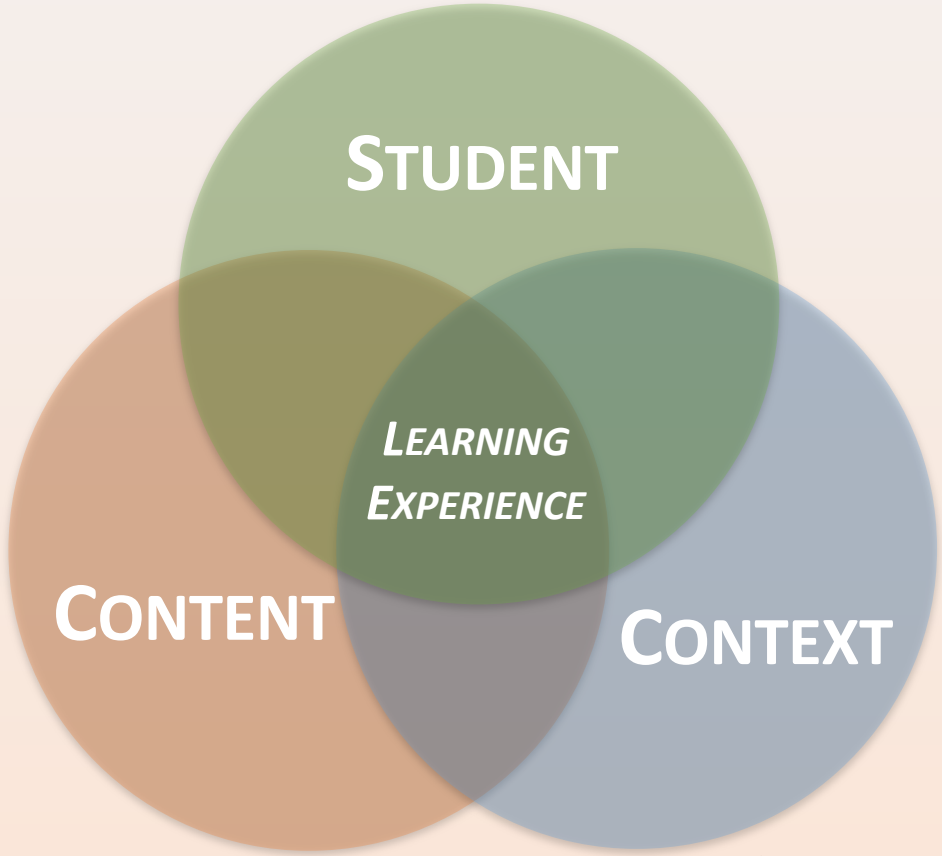
At-home learning is different

Make a strong first impression

- Show good energy
- Take some caffeine
- Smile to the camera
- Dress little better
- Innovate on formats

Design the Learning Experience

- Holistic view about the goals of all participants
- Put students at the center of the experience
- Address students' goals and aspirations



You gotta make it personal

Social isolation made everything faster

Compare

ine courses
Search term

free courses
Search term

teaching online
Search term

Add comparison

Past 12 months

All categories

Web Search

over time

1,4x
1,7x
1,4x

Address students using their names!

Summarizing Everything

0. **Know your audience**, raise information about your profile and your expectations in advance

1. **Adapt your content** to make it lighter and more objective

2. Create constant breaks in theoretical content, make variations, dynamics, discussions, **keep things moving**

3. Promote **interaction between participants** to enhance real exchanges about real problems

4. Use tools that provide support and **flexibility to open groups** and subgroups within the class (Zoom and Blackboard have these functions)

5. Use and abuse **shared co-creation tools in real time** like Miro, Google Docs, Figma

6. Work with challenges or projects that can take advantage of **real problems from participants** whenever possible

7. Promote chair changes between **participants from different groups** to increase networking and keep teams energized with outside visitors during activities

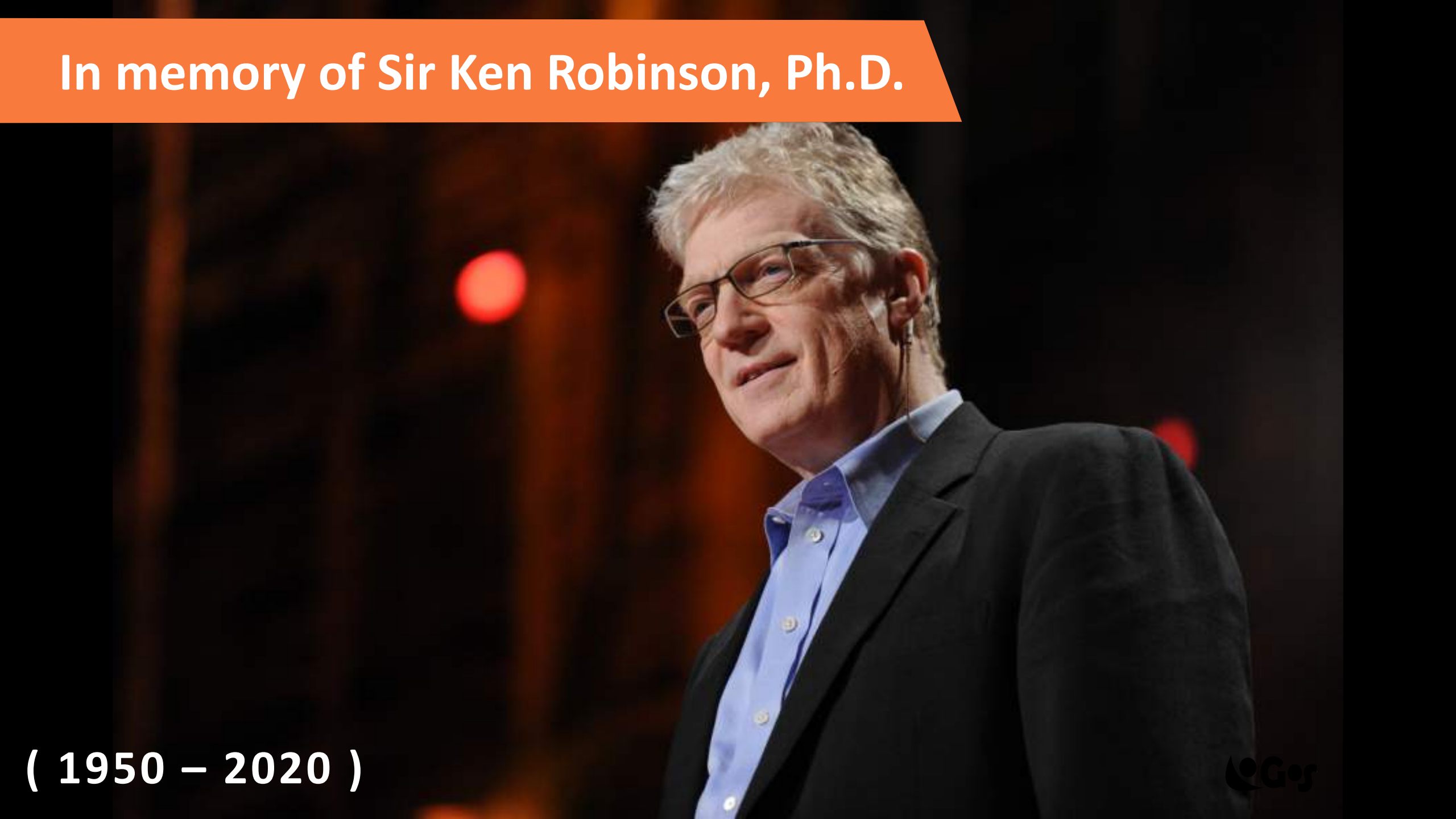
8. Use or create **canvas and frameworks** to facilitate instructions during practical activities, as you will not be too close to answer any questions that arise

9. **Set times and use a timer** for activities, this keeps the mood dynamic and people focused (Miro has a timer inside his boards that appears for everyone who is working on it)

10. Do it all, both on online and in-person classes

All the improvements can work on campus

In memory of Sir Ken Robinson, Ph.D.



(1950 – 2020)

TRAINING AND CONSULTING

Let's share education

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