

# How forced online classes can finally enable educators to improve learning



**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.

# 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

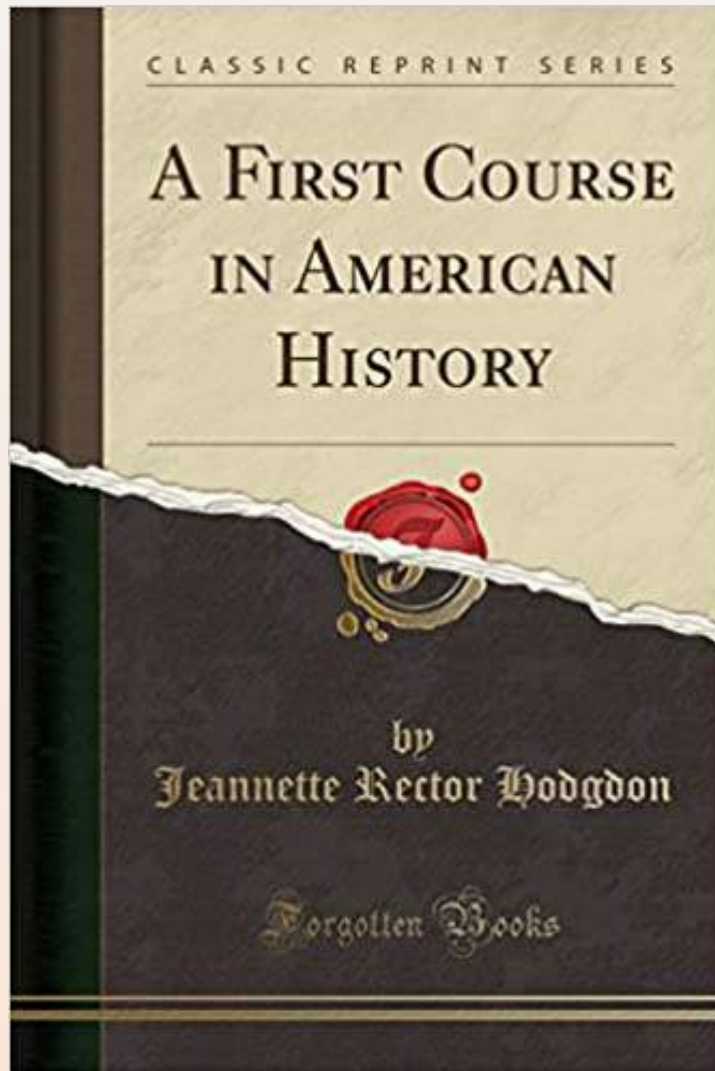


# Distance learning is not new...



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

# Distance learning is not new...



Gutenberg's Press, 1430

Join Now

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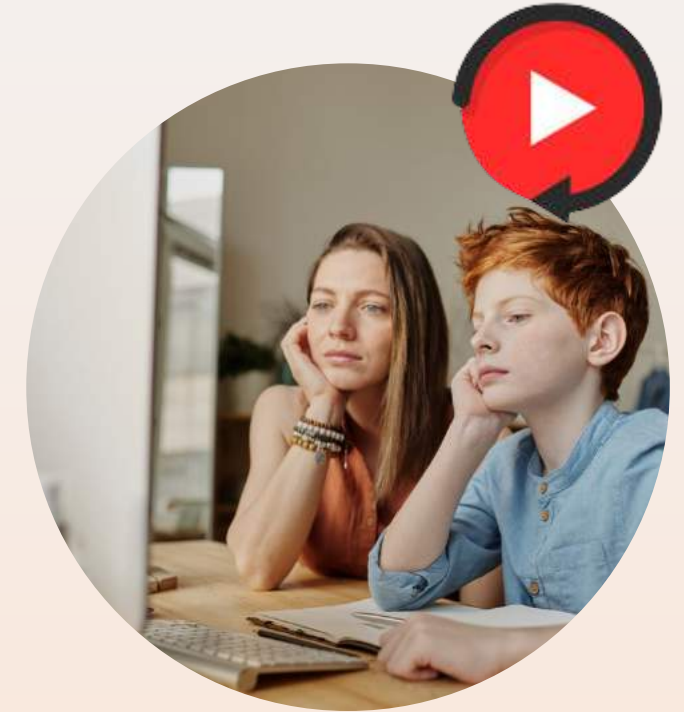
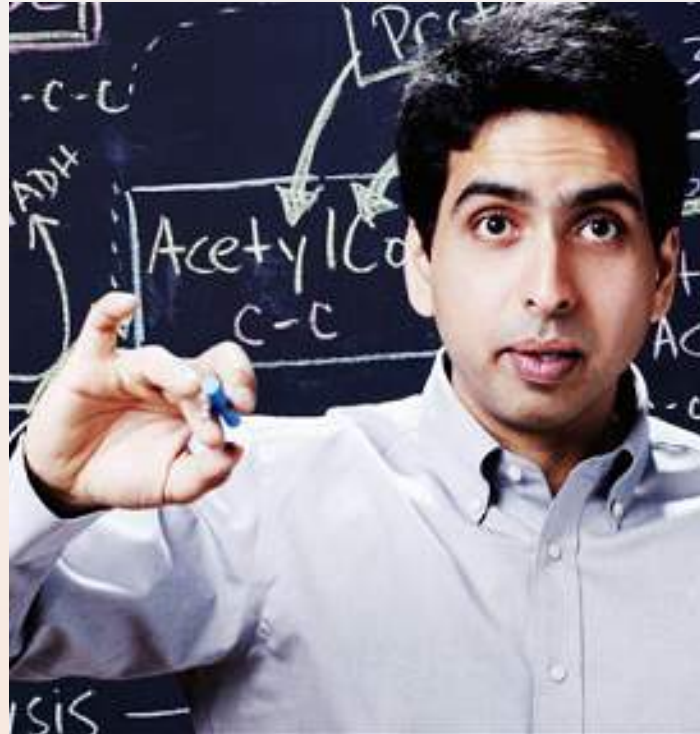
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US Mail Courses, 4Mi students, 1920

# Learning new formats



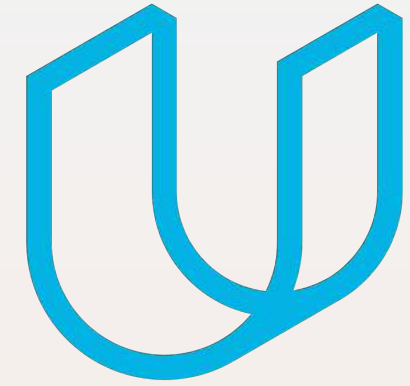
**Khan Academy**

(2008)



# Learning new formats – MOOCs (2012)

**coursera**



UDACITY

**edX**



**Khan Academy**





**How  
learning  
technologies  
can change  
education**

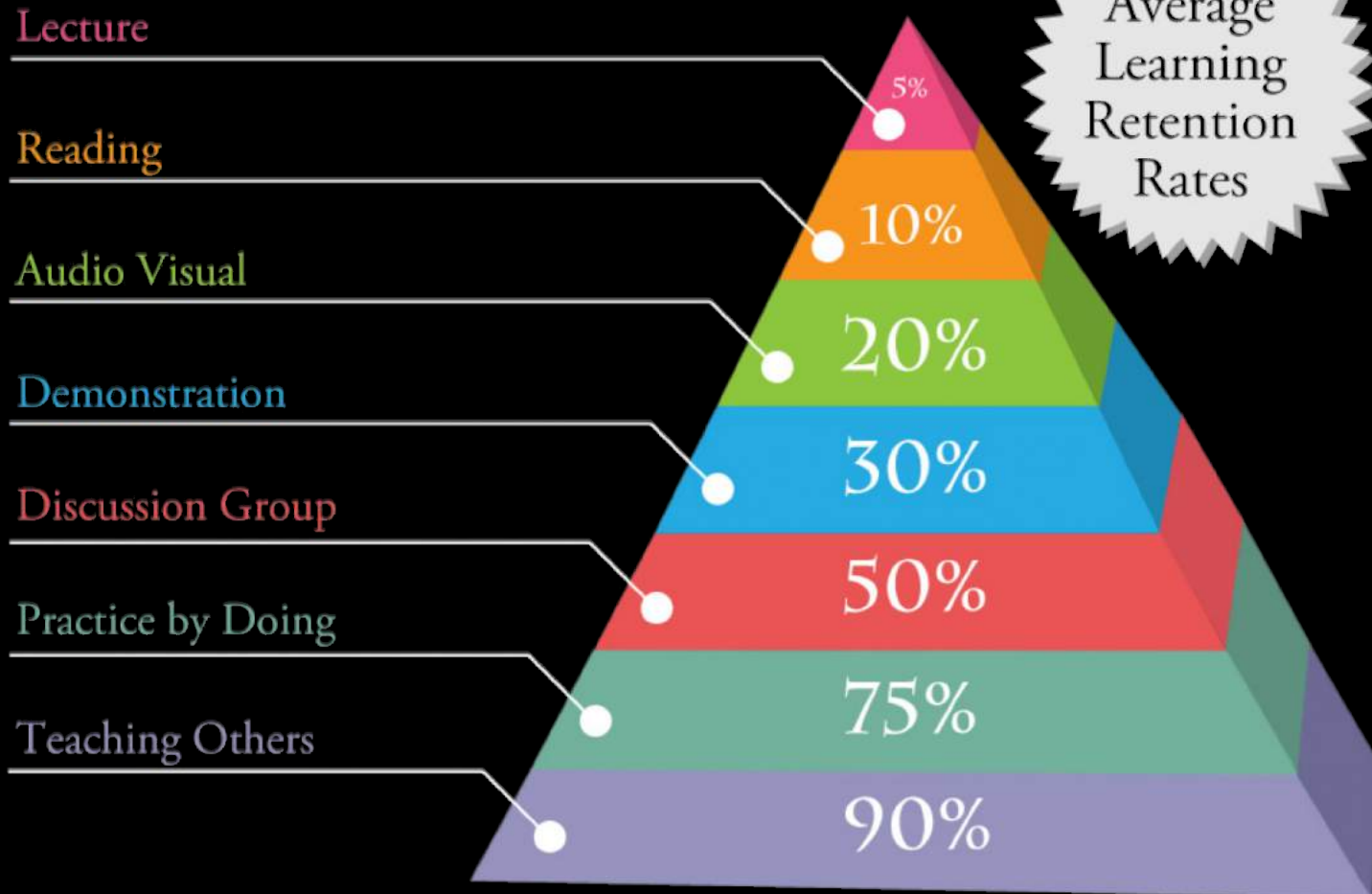


# Trends in Education post-pandemic

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

# Active Learning: Student Centered

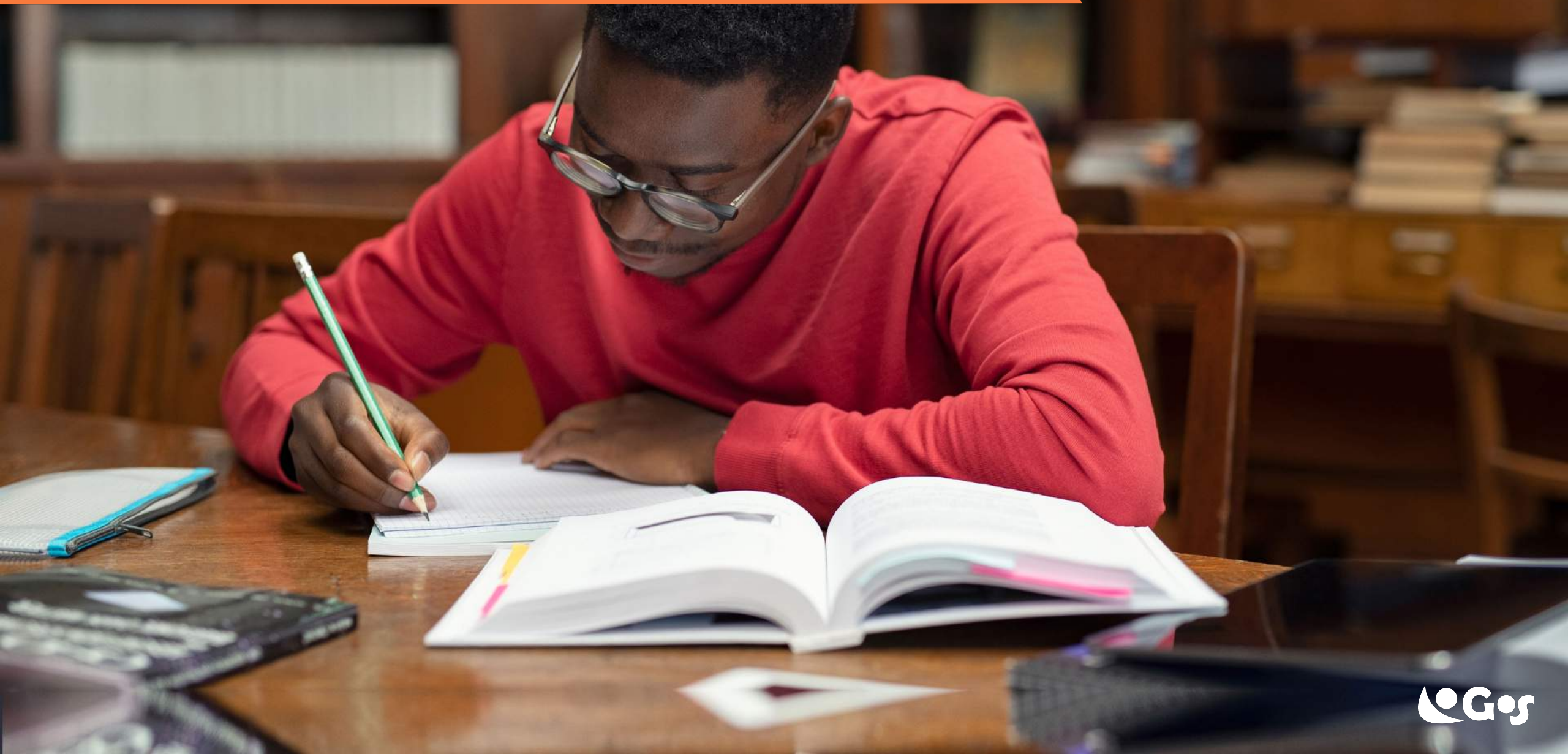
## The Cone of Learning



### 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



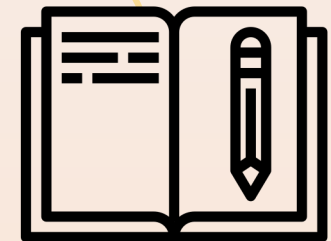
Professor presents a lecture and students take notes



OUT OF CLASS



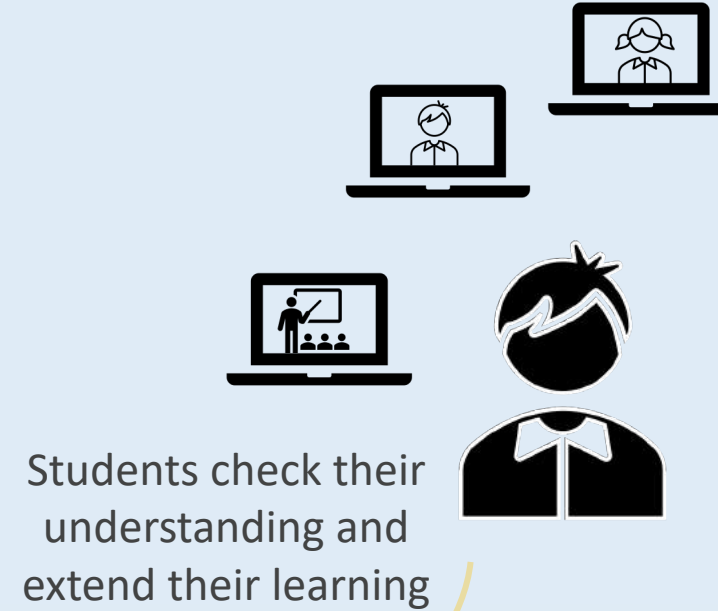
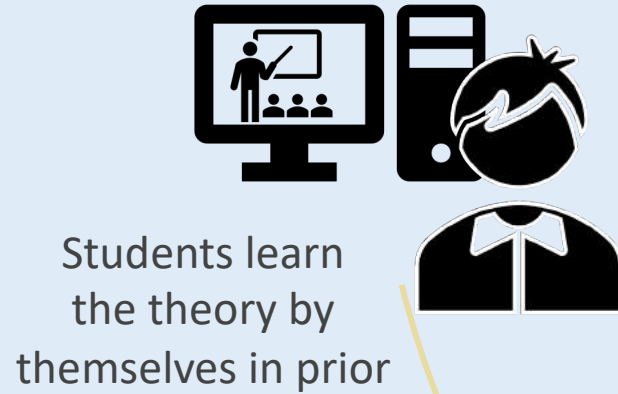
Students are supposed to look over the material



Attempt to do homework but has no ways to clarify doubts



# Flipped Classroom Model

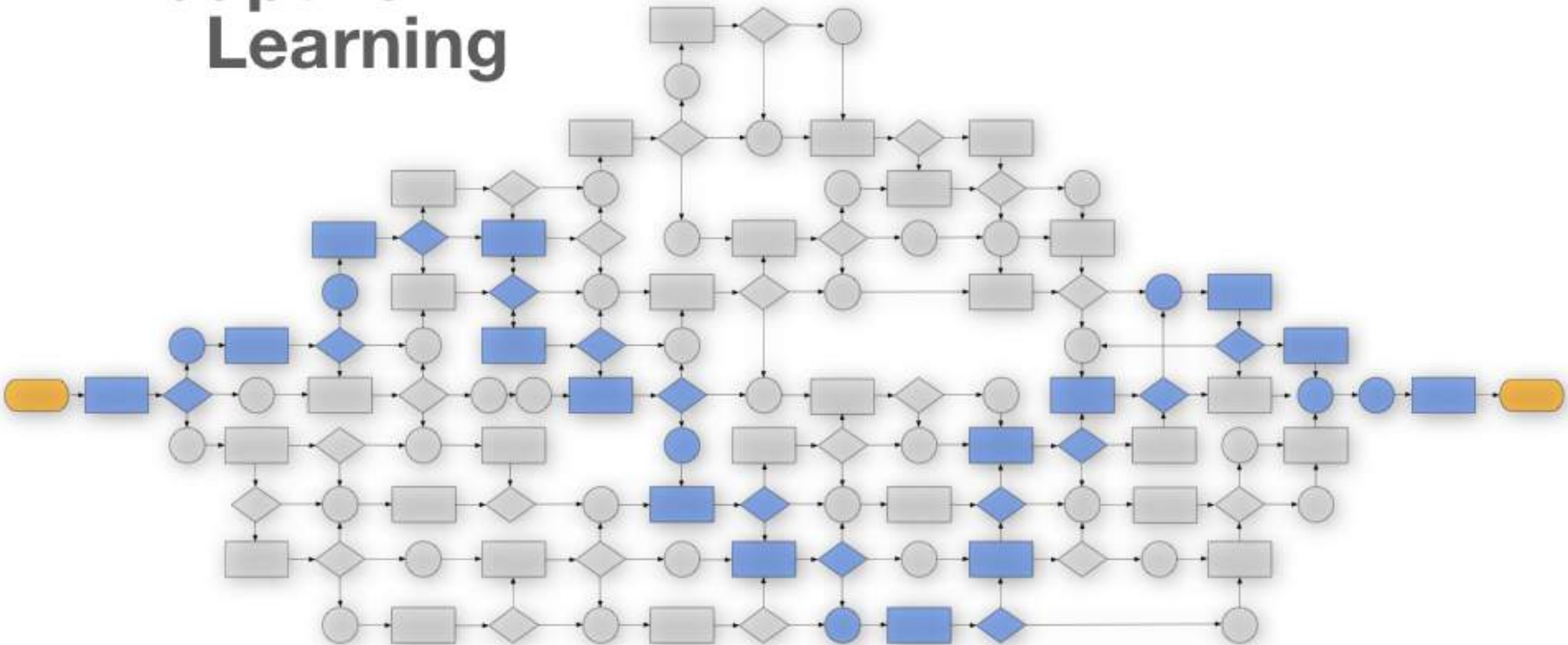


Students clarify doubts and practice together in classroom, applying key concepts and having feedbacks



# Adaptive Learning

## Adaptive Learning



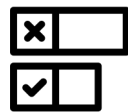
# Synchronous activities

1 ½ hour longer top



Asynchronous:  
Virtual classroom, /  
Instant mess  
Live quizzes,

**TAKE  
ADVANTAGE  
OF THE LIVE  
ATTENDANCE**



Polls



Breakout  
rooms



Discussions



Debates

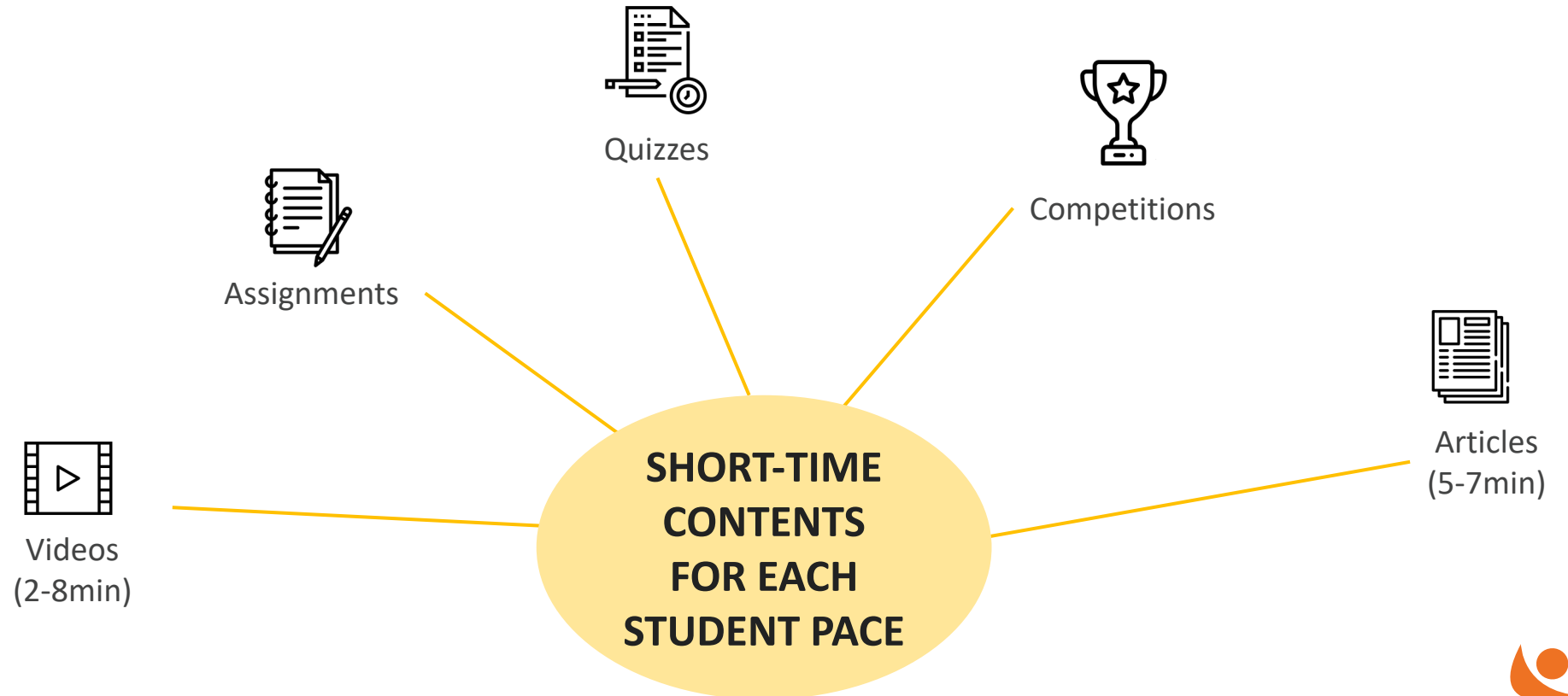


Q&A



# Asynchronous activities

Promote engagement through multimedia



# Online teaching tips

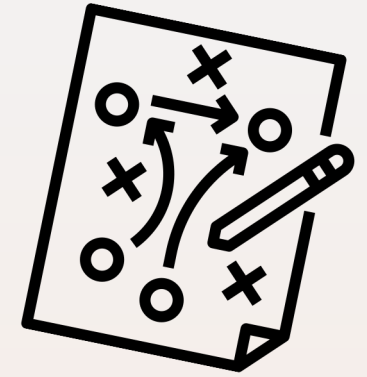


- ✓ **Do focus on preparation** (*pre class*)
- ✓ **Do keep classes varied** (*some activities*)
- ✓ **Do allow time to form connections**



- ⊘ **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

The modal window displays four meeting layout options, each represented by a yellow icon with white dots indicating participant positions:

- Meeting Table:** A long rectangular table with 10 seats (5 on each long side).
- Discussion Groups:** Three circular tables arranged in a triangle, each with 4 seats.
- Lecture Room:** Three horizontal rows of 3 seats each, totaling 9 seats.
- U Architecture:** A U-shaped table with 10 seats (3 on each long side and 4 on the short side).

At the bottom of the modal, there are two small yellow circles and a blue button labeled "Start Meeting".

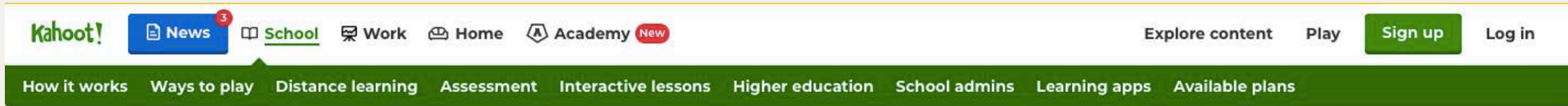
# Gamification





# Quizzes tool: Kahoot!

<https://kahoot.com>



## Kahoot! for schools

Make learning fun, engaging, and impactful at home and at school.

[Sign up for free!](#)



## Create and teach interactive lessons with Kahoot!

Read about Kahoot! Premium+, our powerful new offering.

[Learn more >](#)

## Announcement: Meet Kahoot! Academy

A global knowledge platform, community and marketplace for educators!

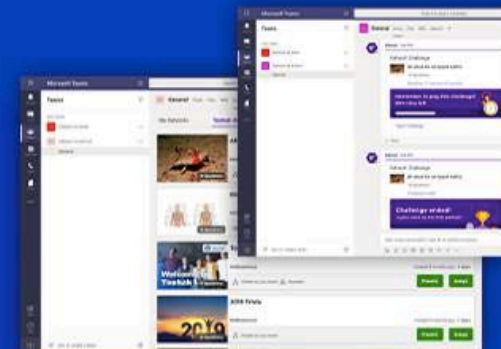
[Learn more >](#)



## Share kahoots directly in MS Teams

Our new integration makes it even easier to connect with students!

[Learn more >](#)



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.

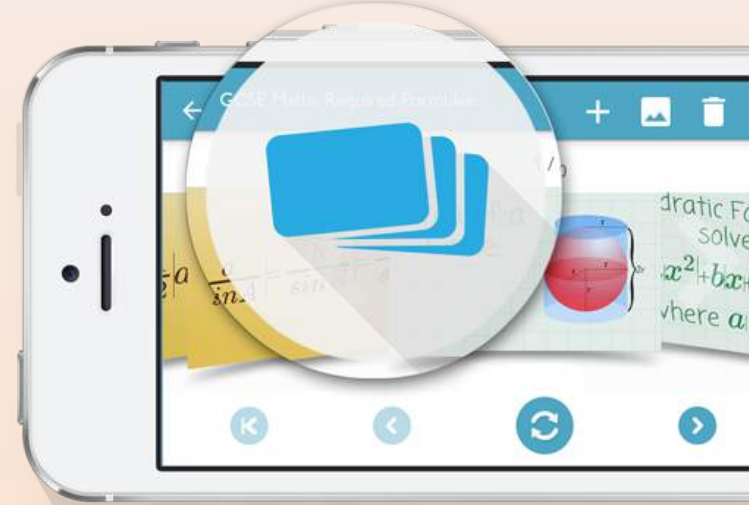
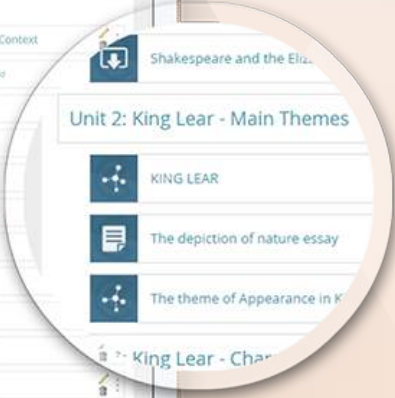
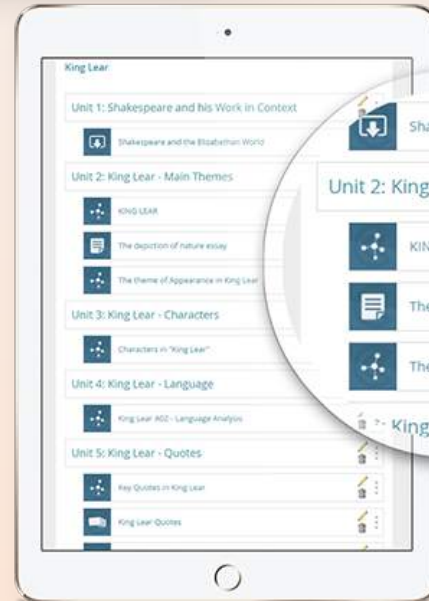
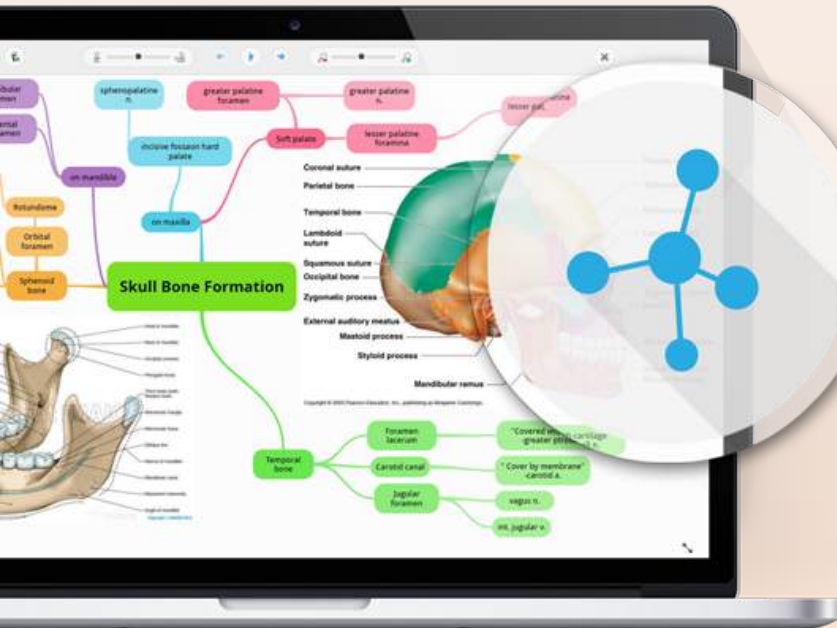
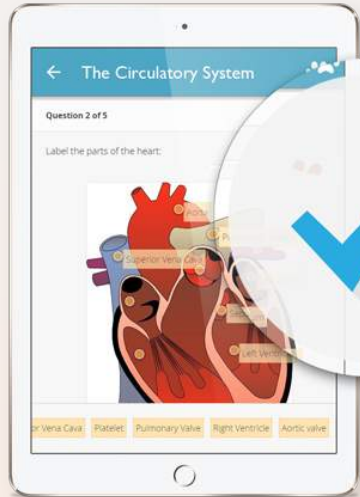


...is a synonym for responsibility management.



# Complete solution: GoConqr

<https://www.goconqr.com>



# Students Centered Collaboration: Ment.io

<https://www.ment.io>

**Your Team's Question**

**NEW** 2 DAYS AGO 8/09/23  
Shelly Tom (BI) ★★  
Which feature should we include in the next sprint?  
3 Answers · 10 Comments

**OPEN** 4 DAYS AGO 8/03/23  
Alex Ross (C-Level) ★★  
What should be our KPI for Q3?  
5 Answers · 9 Comments

**CLOSED** 10 DAYS AGO  
Daniel Green (Marketing) ★★  
How can we drive faster on-boarding for customers?  
Discussion was closed

**IDEAL** 5 DAYS AGO  
Tom Miller (Product) ★★  
Which customer should we use as a reference for new prospects?  
8 Answers · 21 Comments

**OVERDO** 3 DAYS AGO 8/12/23  
Anna Stone (Design) ★★  
Which swag should we give out at the upcoming conference?  
2 Answers · 16 Comments

**Activity Log** **Highlights** **Insightful**

- Jennifer Garcia Added an answer · 5 hours ago
- Thomas Russo Added a comment · 12 hours ago
- NEW** Mary Williams Added an answer · 5 days ago
- Jenny Carter Added a comment · 2 months ago
- Barbara Bonnie Added an answer · 10 months ago

**Discussions quality** **Avg. Very good**

Quality	Count
Great	1
Very good	2
Good	6
Very bad	4
Excellent	1

**Team collaboration** **100%**

Amount of interactions between members

**70% Agreement**

**Team statistics**

- 3 Avg. answers in discussion
- 10 Avg. # of comments in discussion
- 512 Avg. # of participants
- 2 Avg. time till decision (WEEKS)

**Activity over time**

Line graph showing participation by department over time.

**53 members**

Participation by department:

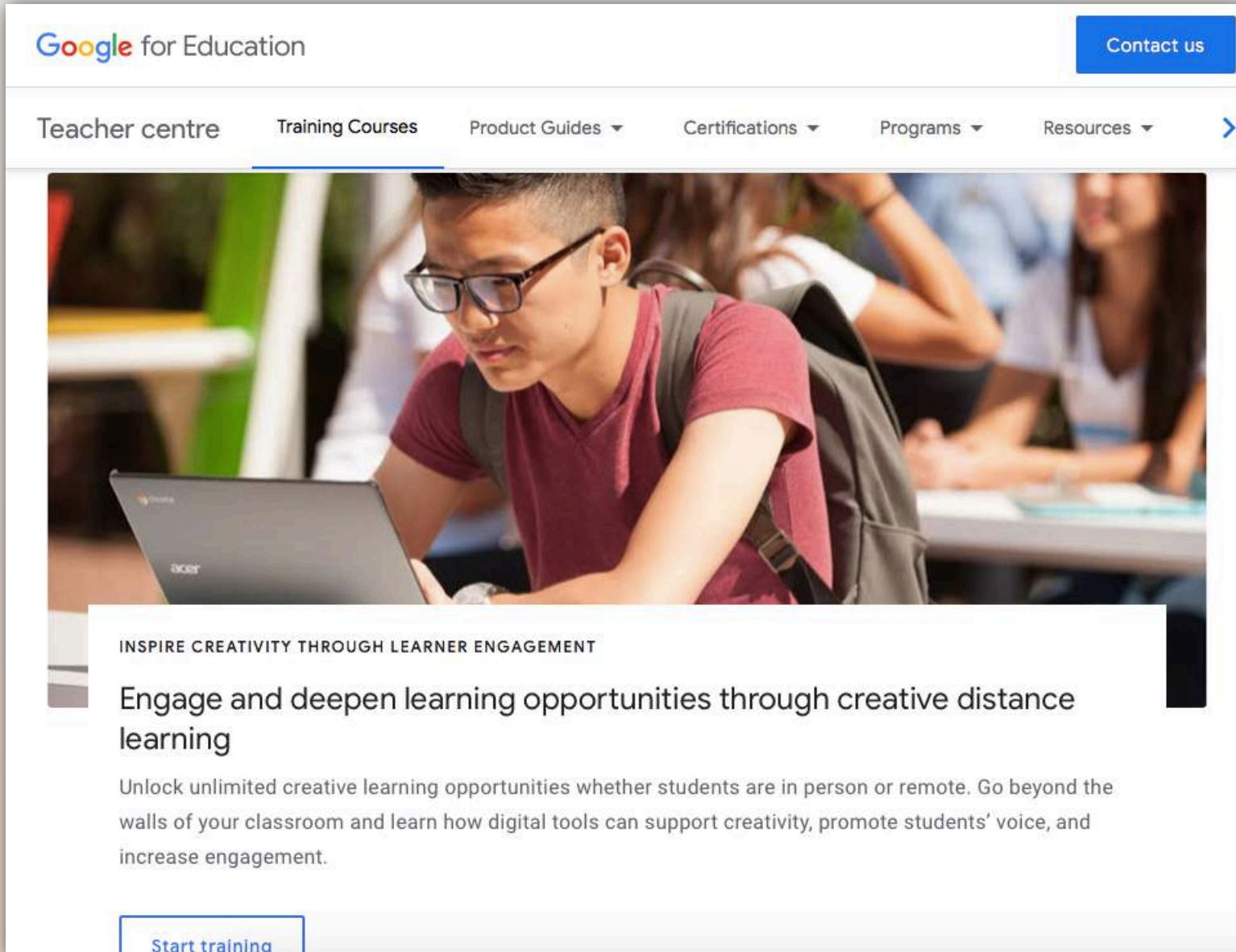
- CSM: 5%
- Design: 15%
- BI: 20%
- Product: 60%

**MENT tip** Invite people from other departments

## More powerful tools

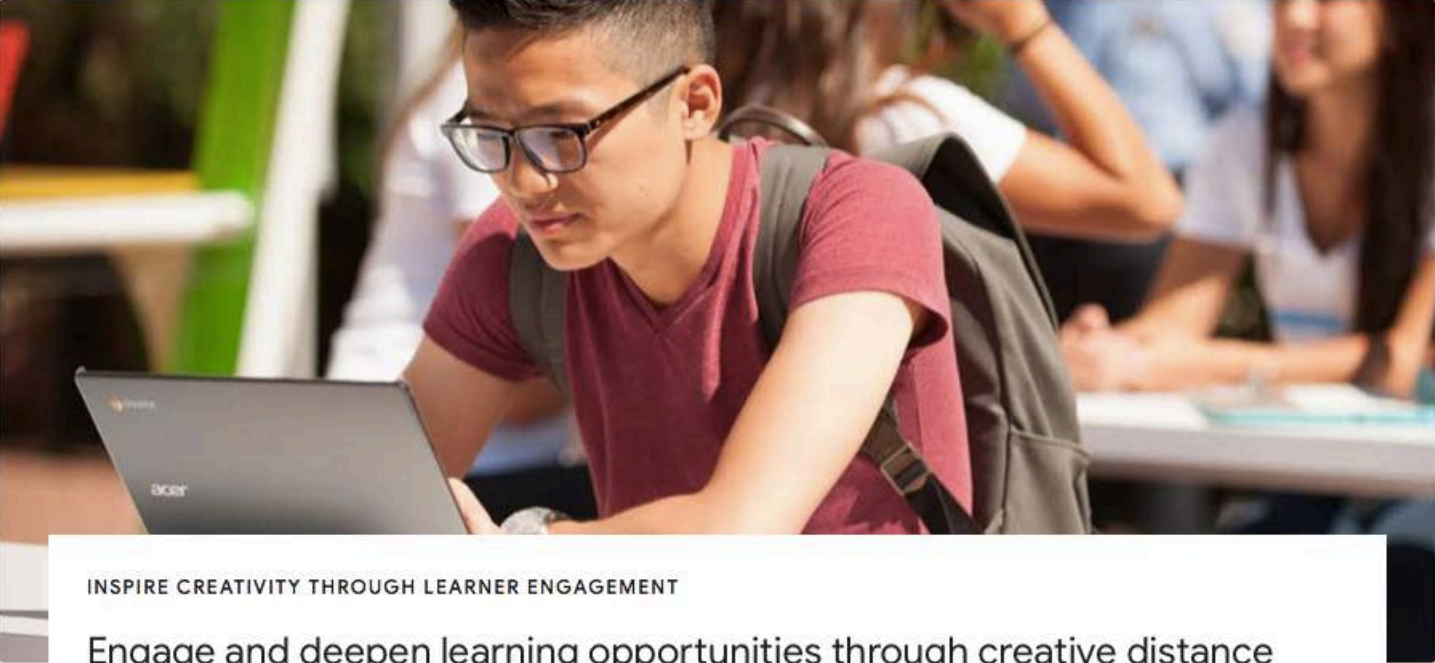
- Sources of information / prep study
  - <https://ed.ted.com>
  - <https://www.youtube.com/user/crashcourse>
  - <https://www.khanacademy.org>
- Animated cartoon custom presentations
  - <https://www.powtoon.com>
- Interactive whiteboard
  - <https://www.educreations.com/>
- Create asynchronous interactive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

# Lifelong learning for educators



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INSPIRE CREATIVITY THROUGH LEARNER ENGAGEMENT

## Engage and deepen learning opportunities through creative distance learning

Unlock unlimited creative learning opportunities whether students are in person or remote. Go beyond the walls of your classroom and learn how digital tools can support creativity, promote students' voice, and increase engagement.

[Start training](#)

[https://edu.google.com/intl/en\\_us/teacher-center/training](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





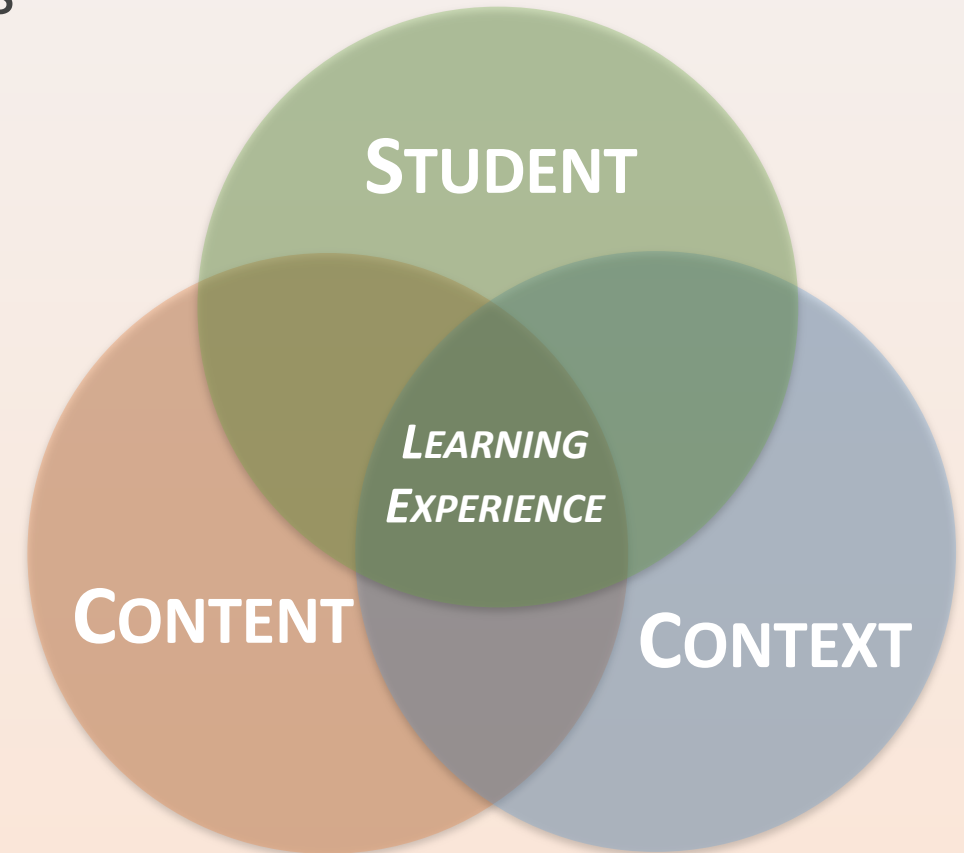
# Make a strong first impression

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



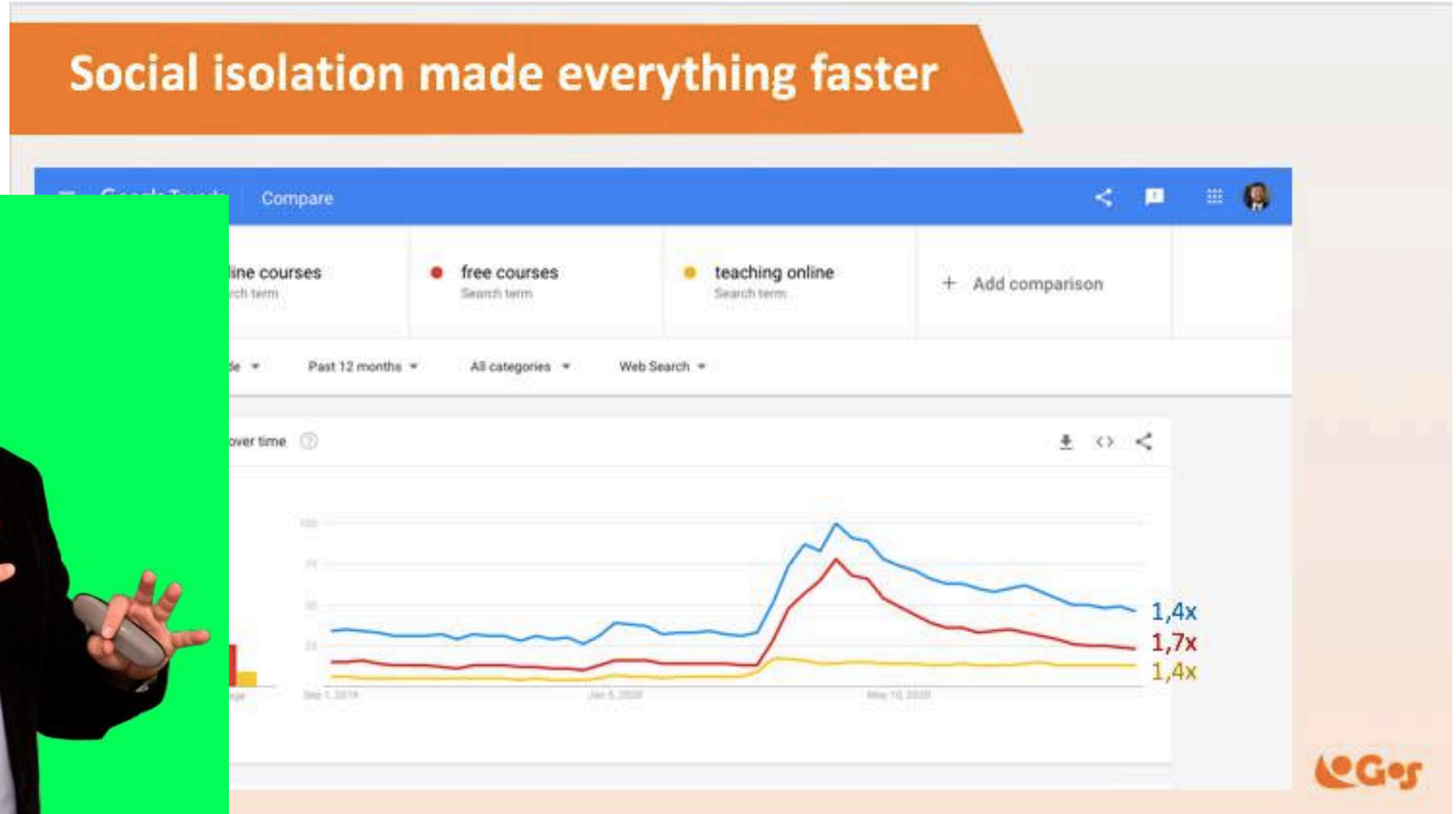
# Design the Learning Experience

- 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



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

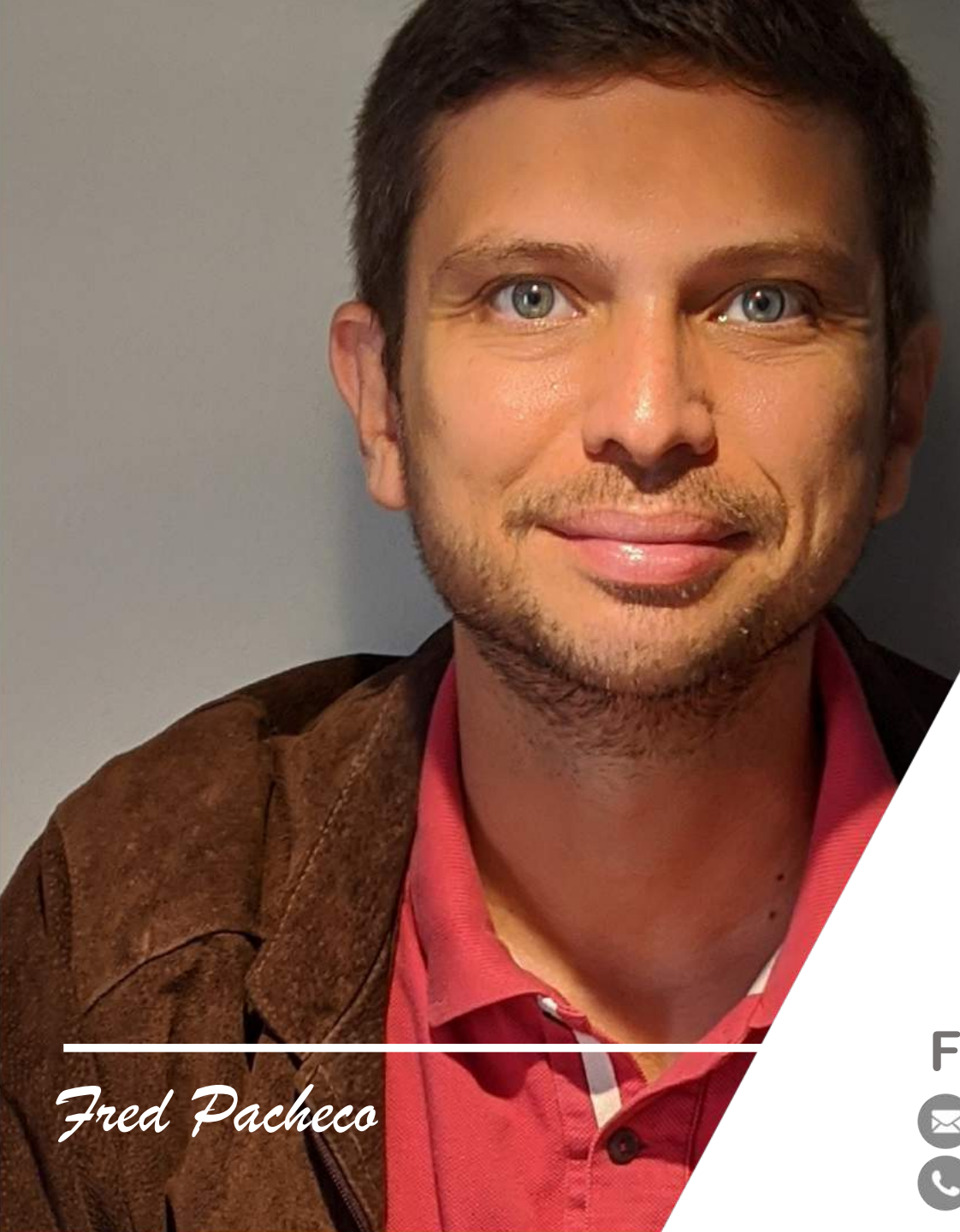


In memory of Sir Ken Robinson, Ph.D.



( 1950 – 2020 )





*Fred Pacheco*



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