Curriculum Design for Online & Hybrid Learning Experiences

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CARILION CLINIC

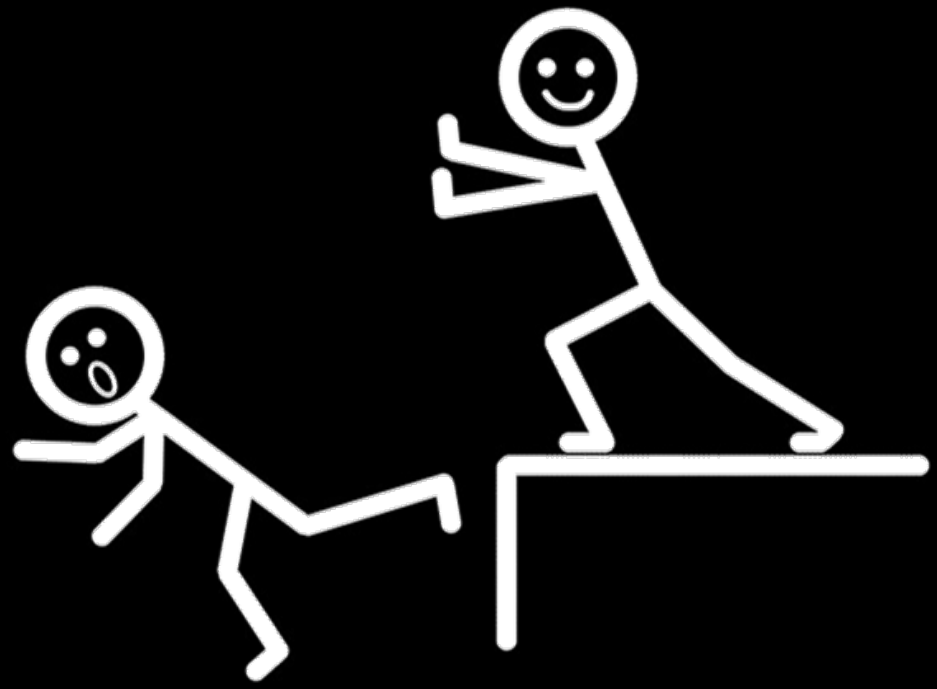
Poll Question

Objectives

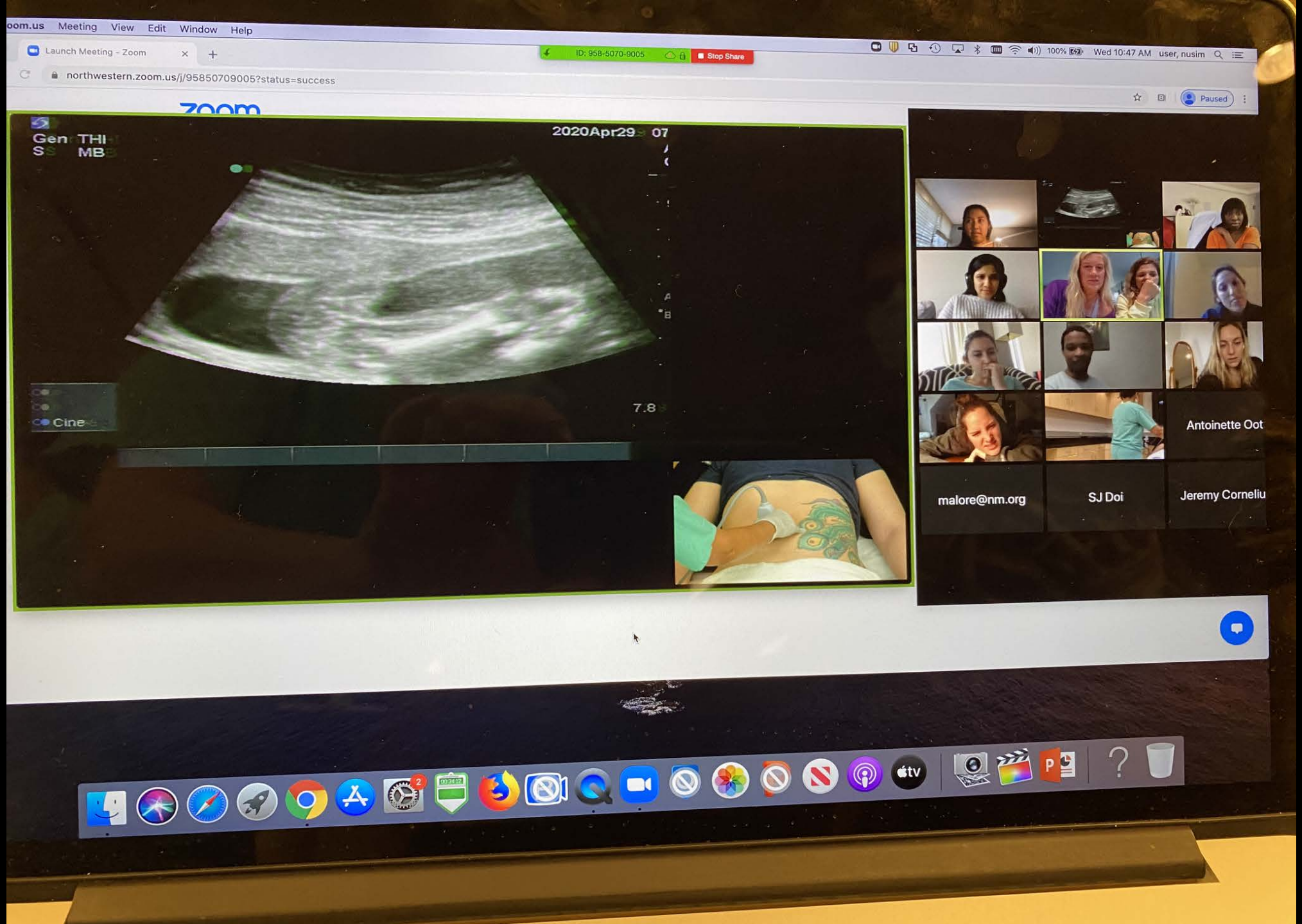
- Recognize critical design considerations when shifting learning experiences from a face-to-face to an online/hybrid delivery model.
- Apply best practices for engaging learners in online/hybrid environments.
- Identify technology tools to engage online/hybrid learners.

VIRTUAL
Remote

SOME PEOPLE JUST NEED



A PAT ON THE BACK


oom.us Meeting View Edit Window Help
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zoom
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Cine
Antoinette Oot
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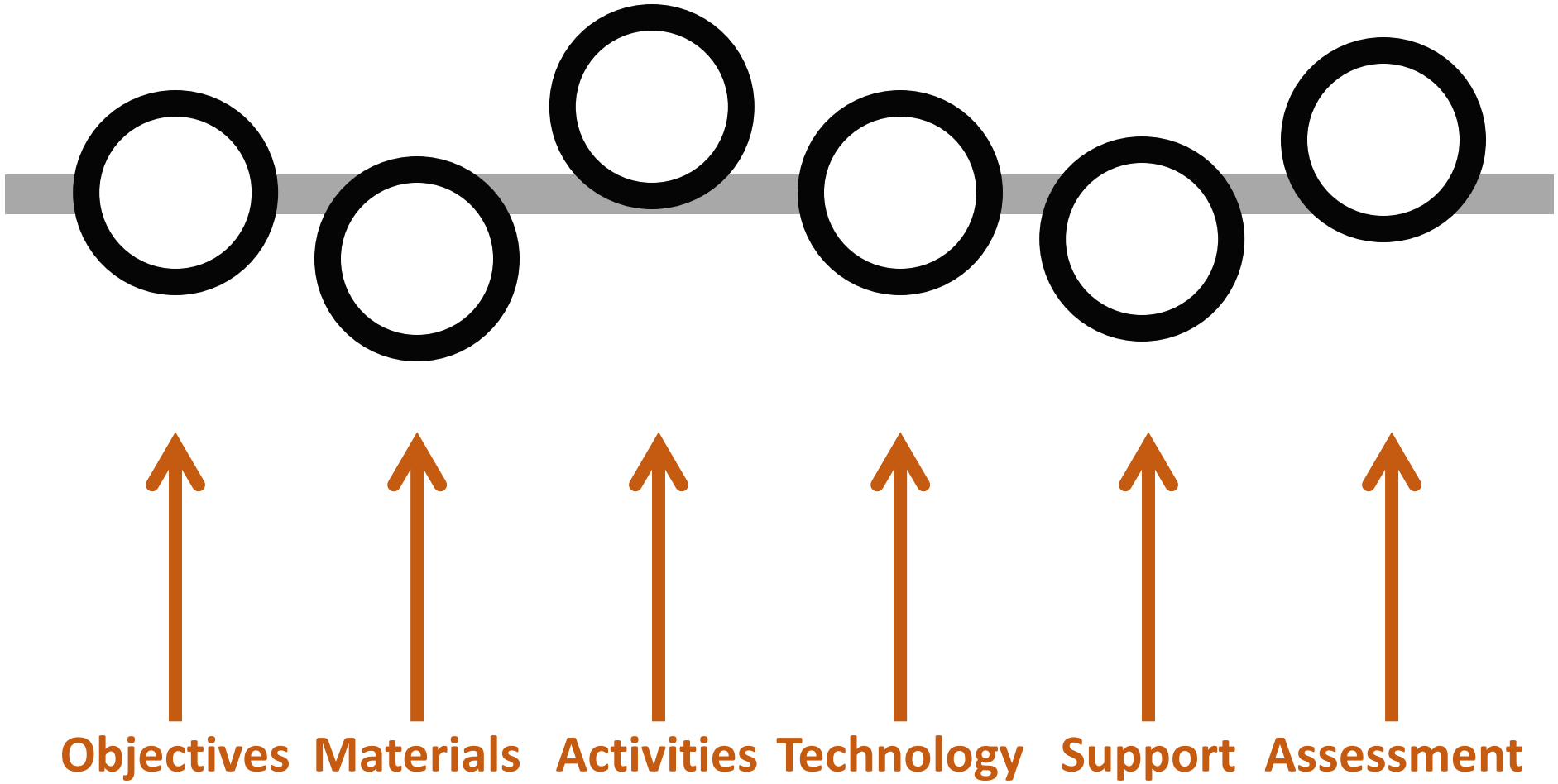
Jeremy Corneliu

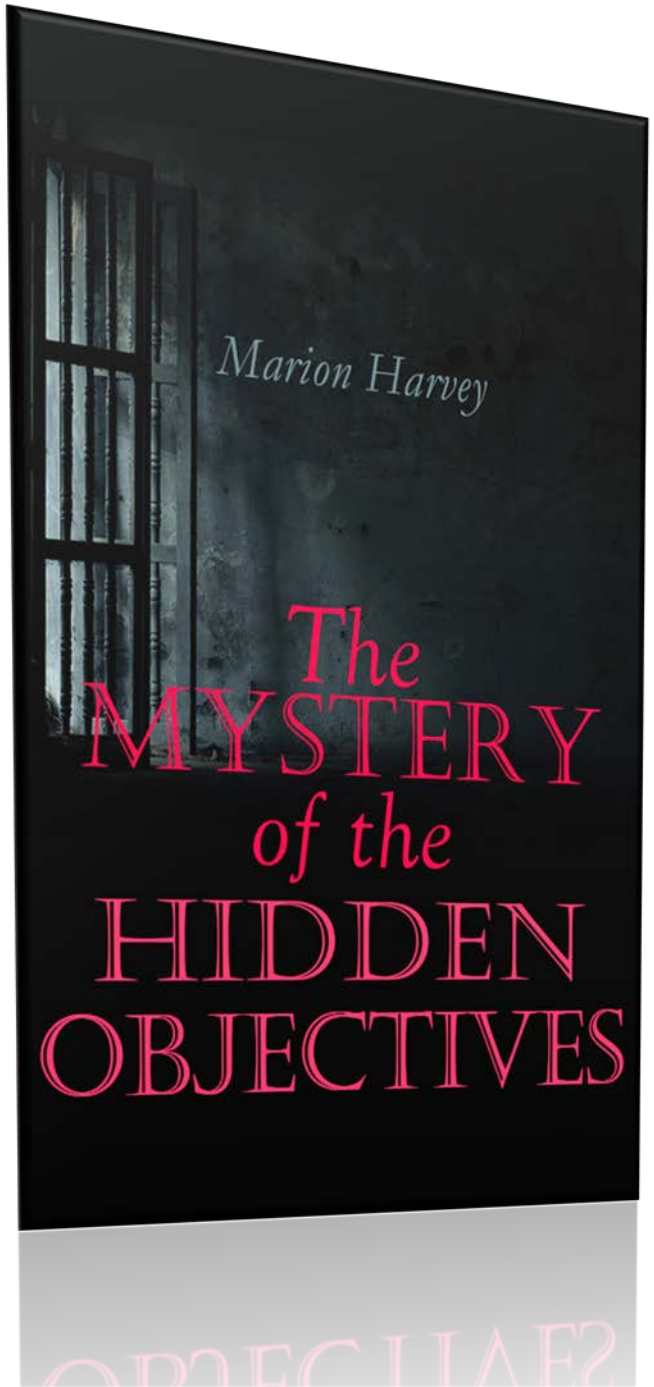
Critical Design Considerations

vs.

Instructor Conductor

Objectives & Alignment

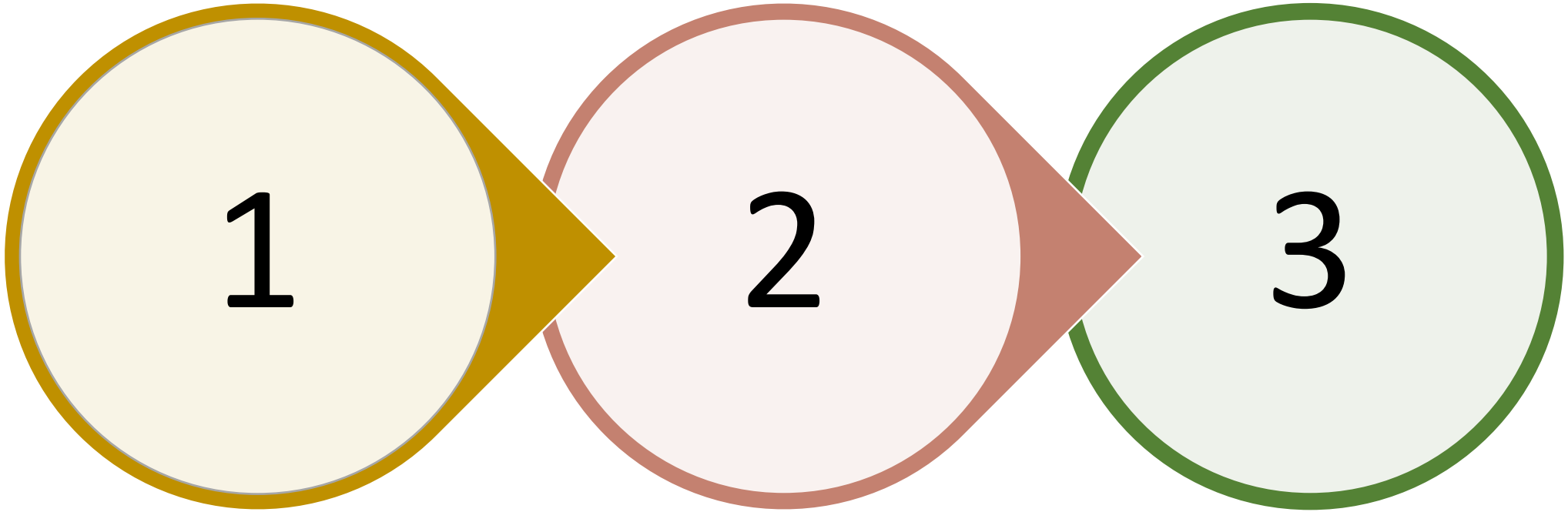



Marion Harvey
The
MYSTERY
of the
HIDDEN
OBJECTIVES

THE
BIG PICTURE

WHAT'S IN IT FOR ME?

Process for Activities



WHAT
ARE WE LEARNING TODAY?

WHY
ARE WE LEARNING IT?

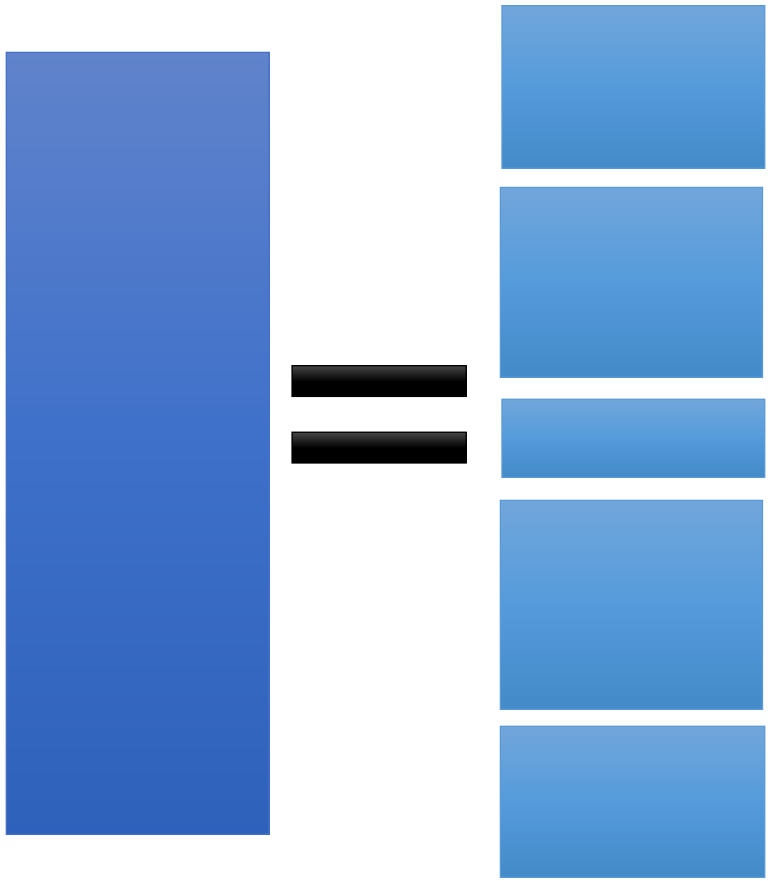
HERE'S
HOW
TO DO IT.

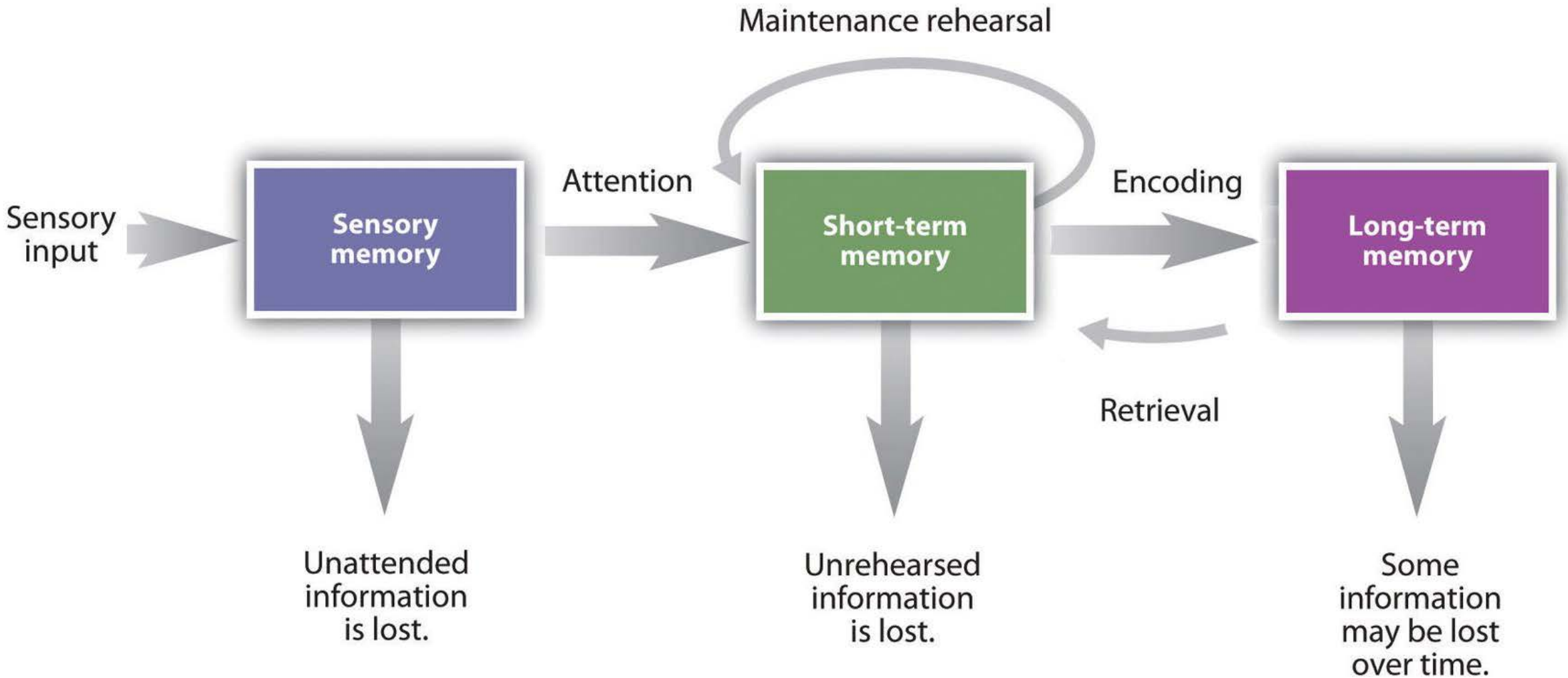
WHAT
ARE WE LEARNING TODAY?
WHY
ARE WE LEARNING IT?
HERE'S
HOW
TO DO IT.

Number 1

Most important thing YOU bring to your students:

What is the best way for your students to receive the information they need to achieve your objectives?


Content
After
Chunking


Maintenance rehearsal
Sensory input
Sensory memory
Attention
Short-term memory
Encoding
Long-term memory
Retrieval
Unattended information is lost.
Unrehearsed information is lost.
Some information may be lost over time.

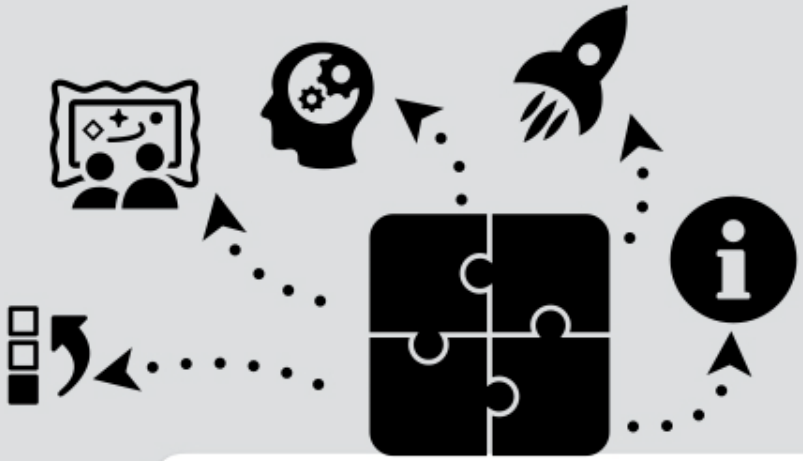
LEARNING
BY REFLECTING

metacognition

THINK ABOUT YOUR THINKING

articulation

ARTICULATE & MAKE YOUR THINKING VISIBLE



make connections

PAST, PRESENT, FUTURE, OUTLIERS, RELEVANT INFORMATION

Documenting Learning

Reflection Activities

- Journaling
- Ask learners to reflect on the learning objectives. Did they meet them? Progress toward them?
- “Three takeaways” assignment
- What would they do differently?
- How will they apply information in the future?
- Can be personal or shared
- Doesn’t have to be written. Can use audio/video

WITHIN EACH
SPONTANEOUSLY COME TOGETHER UNDER A
COMMON THEME / PURPOSE (JOINT ENTERPRISE)
THEY BUILD
TRUST AMONG MEMBERS
IN ORDER TO
SHARE TACIT KNOWLEDGE
THEREBY DEVELOPING
SHARED PRACTICE
WHICH CREATES
COLLECTIVE INTELLIGENCE
WHICH BECOMES
IMPLICITLY HELD KNOWLEDGE
COMMUNITY OF PRACTICE

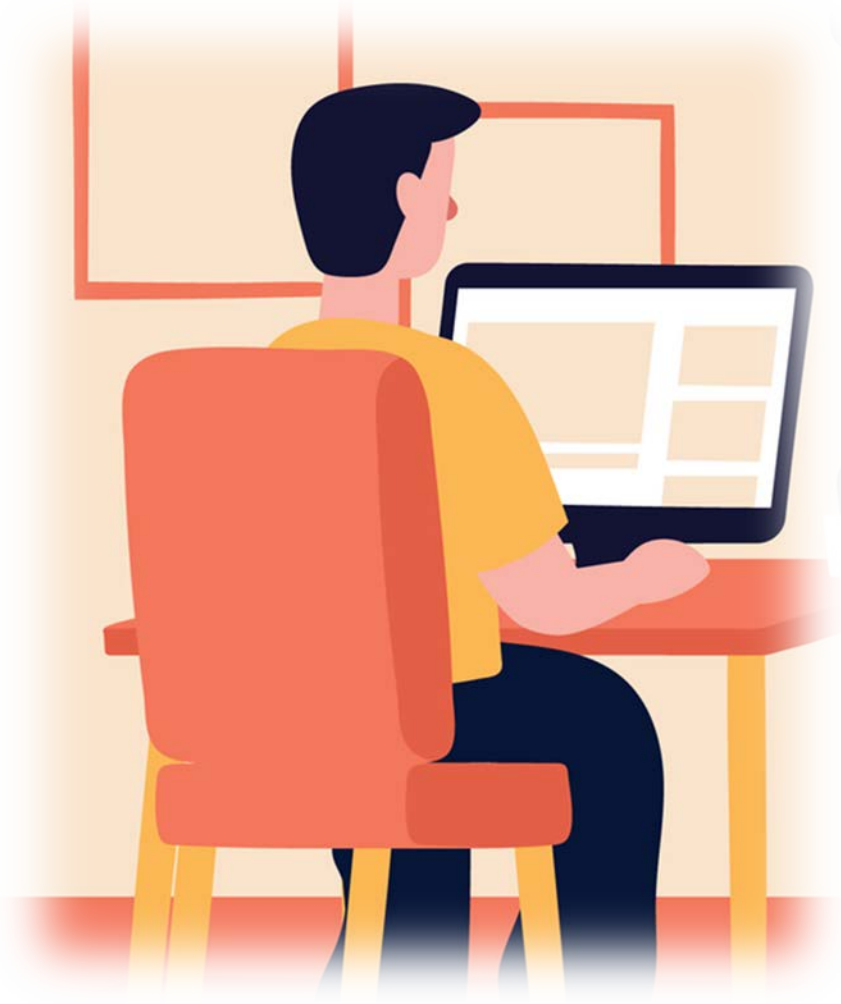
Minimize Distractions

- Smaller chunks of learning
- Get them doing something!
- Shorter activities
- Require students to regularly ask questions and respond to their peers.
- Make a schedule and stick to it.
- Timely assessments

Questions to Ask Yourself

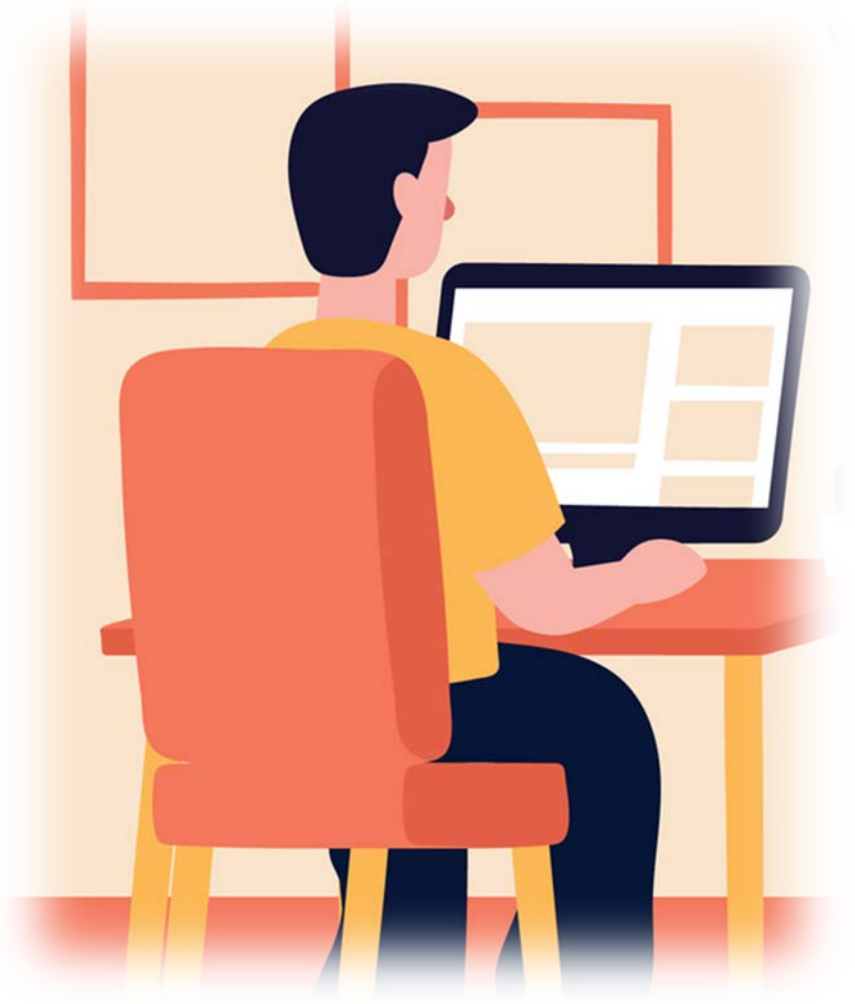
Questions to Ask Yourself

- What new factors must you consider in your course design and teaching and what elements of classroom practice can you maintain?
- What specific strengths and limitations for online delivery are linked to your subject matter?
- What changes to assessment do you need to make?



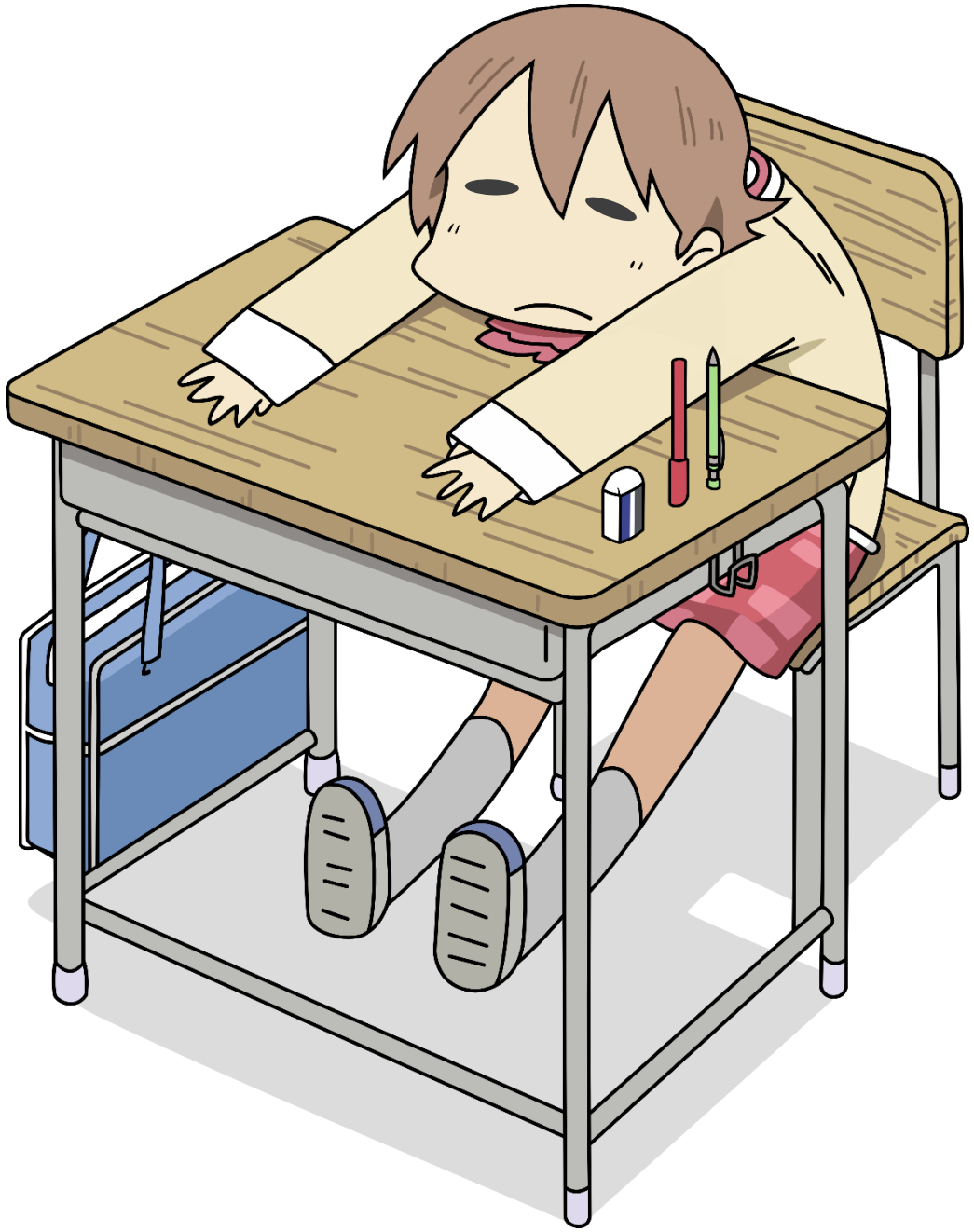
Questions to Ask Yourself

- What technologies will you use?
- Do your learners have limits to access, use of technology, and their technological skills which may impact their learning?
- How will you support your learners?



Don’t be Boring

- Don’t just read slides.
- Use script as a guide.
- Avoid monotone.
- Be conversational.

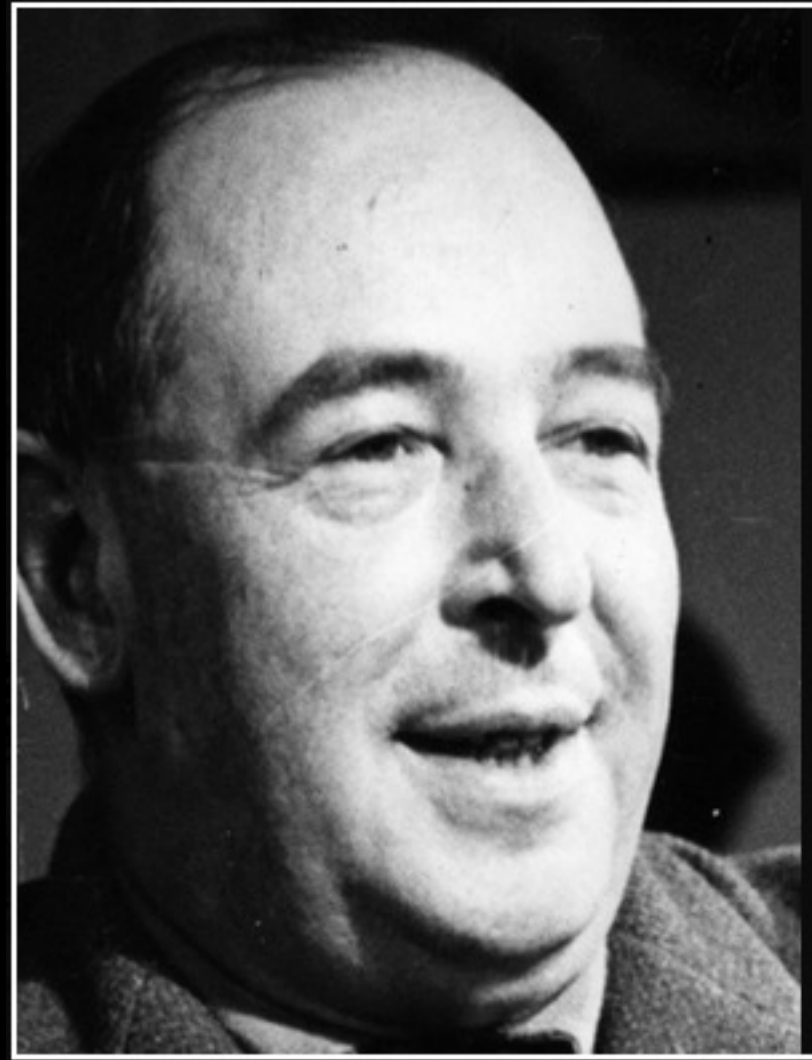


Number 2

Most important thing YOU bring to your students:

Your lectures are unique to YOU!

- Share your experiences
- Real-life stories
- Multiple examples and non-examples
- Show your personality
- Be enthusiastic
- Current events
- Use humor



The love of knowledge is a kind of madness.

— C. S. Lewis —

AZ QUOTES

Engagement

ENGAGE

MAKING IT SO

Engagement is a key predictor of student success.

Try to engage students every 7 to 10 minutes

Cisco
webex

zoom

Things That Learners Pay Attention To…

Technology Tools for Engagement

PowerPoint

kaltura

vt

Jamboard

Kahoot!

voicethread

PANOPTO

canvas

D2L
Brightspace

nearpod

Flipgrid

iSpring®

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Thank you
for attending!

References

- https://www.edweek.org/technology/opinion-how-effective-is-online-learning-what-the-research-does-and-doesnt-tell-us/2020/03
- https://www.chalkbeat.org/2020/10/1/21497795/teaching-in-person-and-virtual-students-at-once-is-an-instructional-nightmare-some-educators-say
- https://www.seanmichaelmorris.com/instructional-design-vs-online-pedagogy/
- https://www.coursearc.com/how-gagnes-nine-events-of-instruction-can-make-your-online-courses-better/
- https://www.capdm.com/index.php/program-and-course-design/
- https://blog.commlabindia.com/elearning-design/effective-elearning-design-gagne-events
- https://teachonline.ca/tools-trends/how-teach-online-student-success/new-pedagogy-emerging-and-online-learning-key-contributing-factor
- https://www.elmhurst.edu/blog/virtual-learning/
- https://www.verywellfamily.com/back-to-school-in-a-pandemic-5070538
- The Learning Guild. Learner Engagement and Instructional Outcomes. Available online: https://www.learningguild.com/content/6713/research-learner-engagement-and-instructional-outcomes/
- http://elisabeth-fm-schlegel.weebly.com/elearning-bites/conduct-your-orchestra-teaching-presence-not-only-in-the-days-of-zoom
- https://thephysicaleducator.com/shop/what-why-how-graphics/
- https://reachinghighernh.org/2017/04/14/active-self-reflection-promotes-meaningful-learning/
- https://documenting4learning.com/blogging-challenge/challenge-17-amplify-your-reflection/
- https://www.acoe.org/Page/1176
- https://newblogstudio.com/tag/actual-classroom-vs-virtual-classroom/
- https://aplusala.org/best-practices-center/2018/03/08/regie-routman-students-learn-best-when-we-frontload-lessons/
- https://www.shiftelearning.com/blog/attention-grabbing-elearning-design
- Darby, F. and Lang, J.M. (2019). *Small teaching online: Applying learning science in online classes*. San Francisco: John Wiley & Sons.
- Miner, A., Mallow, J., Theeke, L., & Barnes, E. (2015). Using Gagne's 9 Events of Instruction to Enhance Student Performance and Course Evaluations in Undergraduate Nursing Course. *Nurse Educator, 40*(3), 152-154. https://doi.org/10.1097/nne.0000000000000138
- Amour, M. (2020, September 16). *The Moment Is Primed for Asynchronous Learning*. Inside Higher Ed. https://www.insidehighered.com/news/2020/09/16/dont-dismiss-asynchronous-learning-experts-say-improve-it
- https://www.insidehighered.com/news/2020/04/29/synchronous-instruction-hot-right-now-it-sustainable
- https://educational-innovation.sydney.edu.au/teaching@sydney/lectures-in-the-time-of-covid-19-synchronous-or-asynchronous/
- https://marketoonist.com/2016/10/engagement-2.html
- https://www.ncat.edu/provost/academic-affairs/aggiesteach/teaching-strategies/flipped-teaching-strategies.php
- https://www.clipartkey.com/
- https://www.classicfm.com/discover-music/latest/great-conductors/
- https://www.laphil.com/events/performances/31/2017-11-01/mariinsky-orchestra
- https://www.nytimes.com/2014/07/14/arts/music/lorin-maazel-brilliant-intense-and-enigmatic-conductor-dies-at-84.html
- https://www.wrti.org/post/impact-leonard-bernstein-reflections-his-centennial-classical-stars-today
- https://www.bbc.com/news/entertainment-arts-34206638
- https://www.pressdemocrat.com/article/ent