How to use Zoom in the new (blended) normal: Models for student inclusion and engagement

Welcome we will begin shortly. Please answer the brief poll question.

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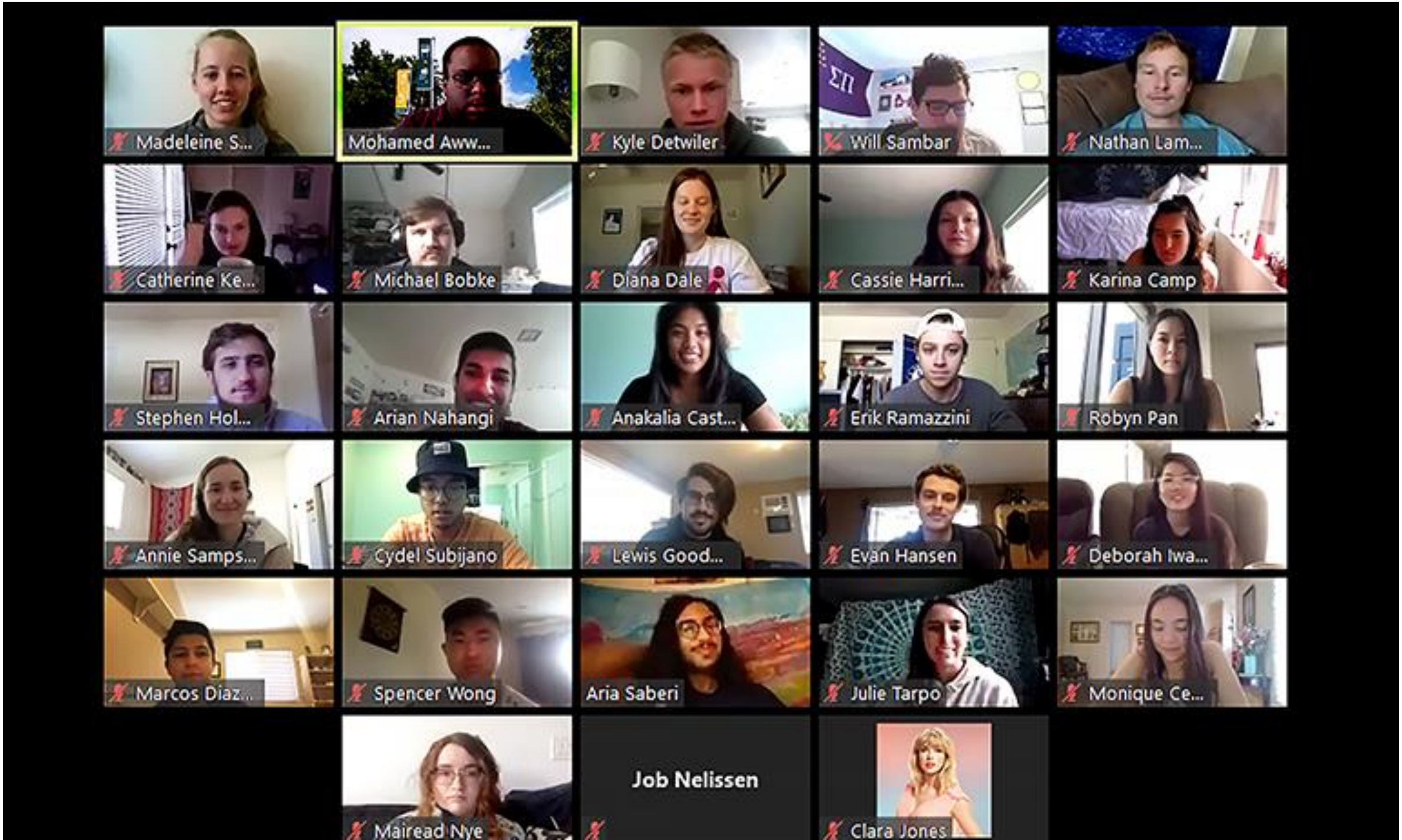
Research Associate, Contact North
Professor Emeritus, York University, Toronto, Canada

Energy Policy
• Bloc loyalty
• Free market loyalty


Madeleine S...
Mohamed Aww...
Kyle Detwiler
Will Sambar
Nathan Lam...
Catherine Ke...
Michael Bobke
Diana Dale
Cassie Harri...
Karina Camp
Stephen Hol...
Arian Nahangi
Anakalia Cast...
Erik Ramazzini
Robyn Pan
Annie Samps...
Cydel Subijano
Lewis Good...
Evan Hansen
Deborah Iwa...
Marcos Diaz...
Spencer Wong
Aria Saberi
Julie Tarpo
Monique Ce...
Mairead Nye
Job Nelissen
Clara Jones

Zoom Meeting

Recording

Vasisht Ishwar | Justin Greenzaid | Bernard Jin | Mariam Coulibaly

Cameron Tanner Pd.2 | Laura Bruno | Carly Casten | Jonathan Kim | Nadine Twombly

1/2

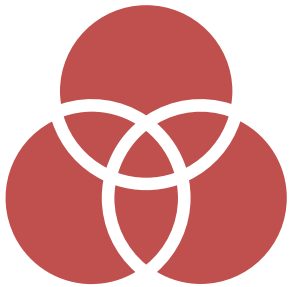
Bella Zoll | Caroline Derringer | Irene Haramis | Dylan Rosen | Kaiden Youssefieh

1/2

Avery Max | Casey Meretta | Jake Rood | Jaden Selby | Jordyn Feldman

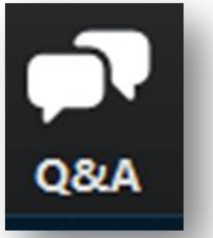
Jenna Bergman | Shiv Puri | Camila Ton | Collin Chen | Winston Zhang

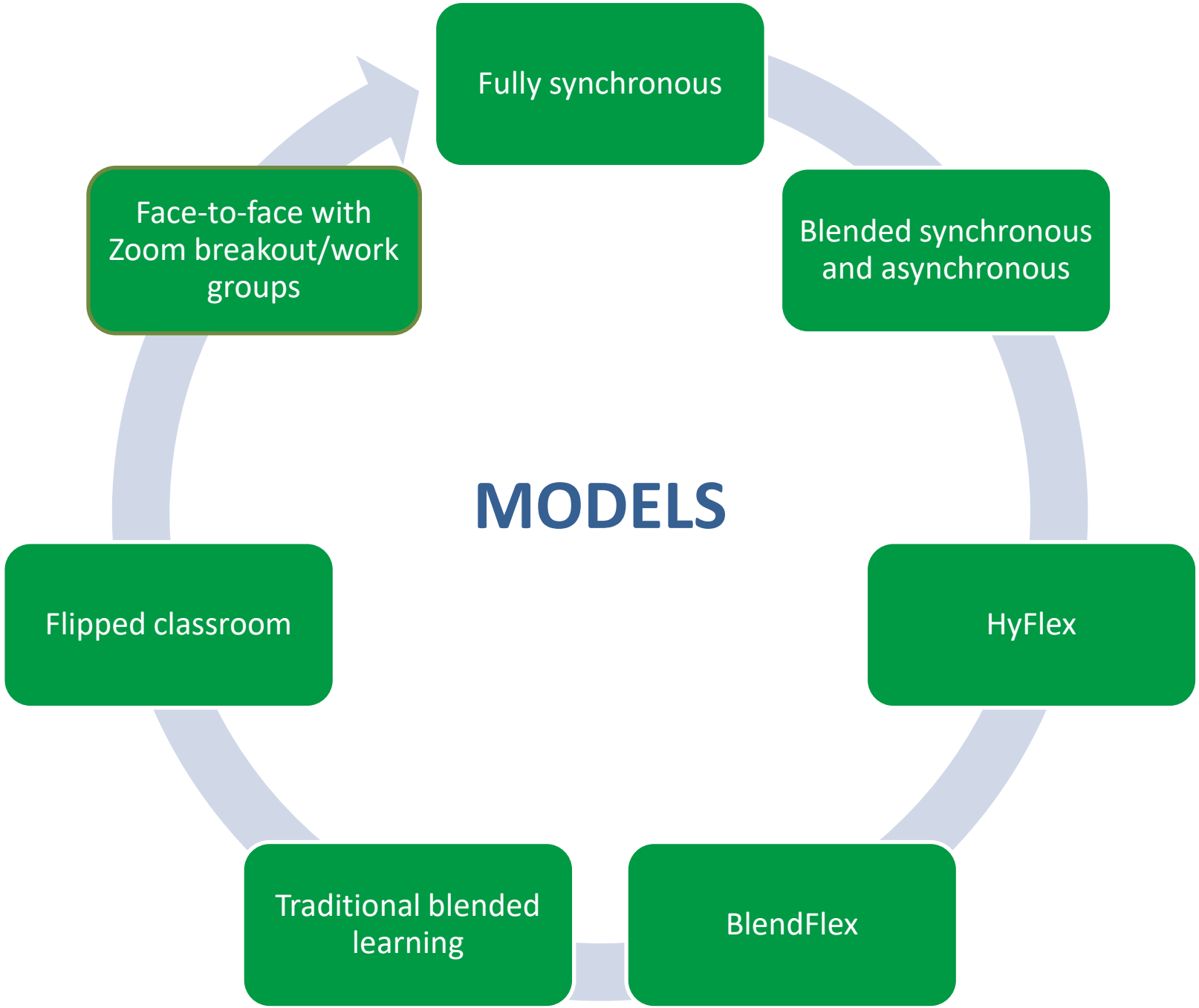
Agenda



7 models – challenges & strategies

Zoom tools for inclusion and engagement




Fully synchronous
Blended synchronous and asynchronous
HyFlex
BlendFlex
Traditional blended learning
Flipped classroom
Face-to-face with Zoom breakout/work groups
MODELS

Fully synchronous

*Main advantage

- Physical safety/accessibility

Challenge

- Avoid talking head

Strategies

- Vary the pace of classes e.g. mini lectures, video, whole group Q&A, breakout rooms, student presentations
- See 4 models at https://teachonline.ca/webinars

*During COVID

Blended asynchronous-synchronous

Main advantage

- Enhances community

Challenge

- Choosing best activities for each mode

Strategies

- Async (LMS) best suited for content, resources, reflective discussion, quizzes
- Sync (Zoom) best suited for spontaneous discussion, reinforces community, social cohesion, instructor presence

HyFlex model

https://info.ehl.edu/hubfs/Blog-EHL-Insights/Blog-Header-EHL-Insights/hyflex.jpeg

Main advantage

- Flexibility for students

Challenge

- Ensure equivalent outcomes both modes and equitable access

Strategies

- All resources online, record classes, don’t ignore Zoom students, polling, chat
- https://www.hyflexlearning.org/

BlendFlex

Mode	Mon (Week 1)	Wed (Week 2)	Fri (Week 3)
Face-to-face in class	Cohort A	Cohort B	Cohort C
Remote via Zoom	Cohort B Cohort C	Cohort A Cohort C	Cohort B Cohort A

Main advantage

- Better space utilization

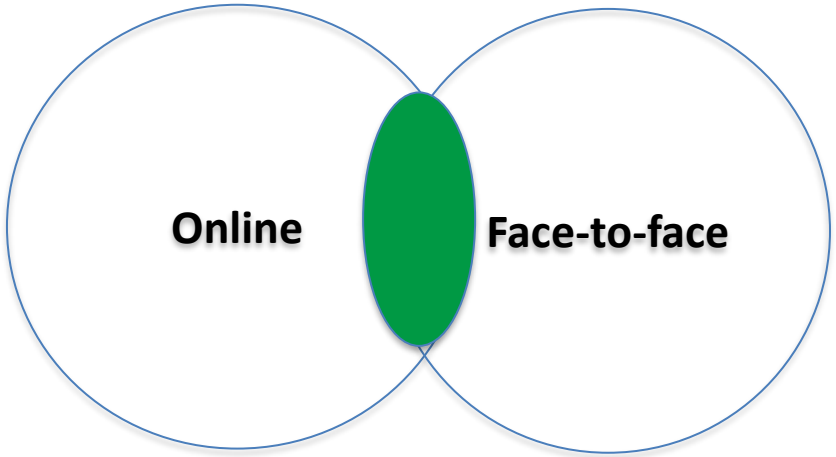
Challenge

- How to optimize F2F time

Strategies

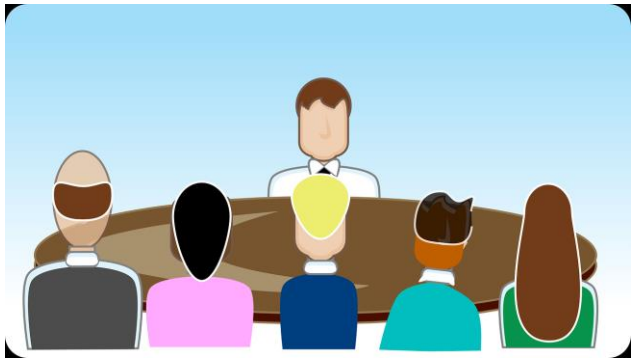
- Record classes, async discussions
- https://digitallearning.ucf.edu

“Traditional” blended learning



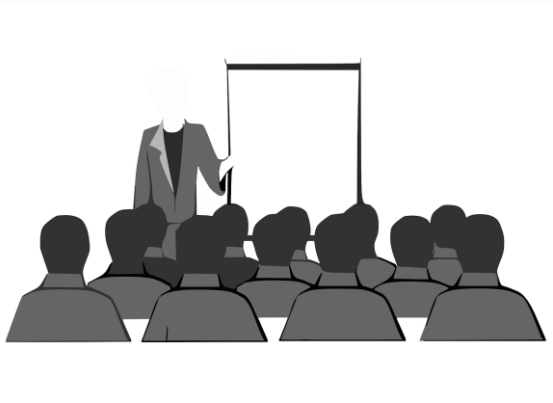
Main advantage	• Better space utilization/learning
Challenge	• How to optimize both modes
Strategies	• Analyze course content to decide what’s best F2F and online

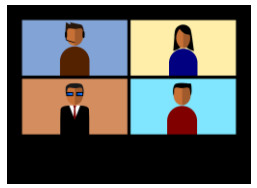
Flipped classroom

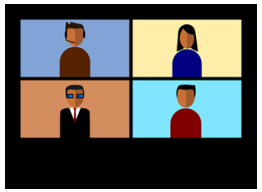


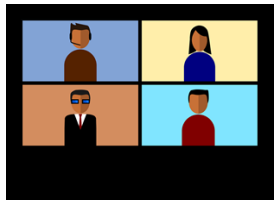
Main advantage	• Space utilization??
Challenge	• How to facilitate active learning in class and get students to do online work
Strategies	• Creating engaging online content/discussions/problem sets and prepare students for class

Face-to-face with Zoom breakout









Main advantage

- Social contact

Challenge

- How to engage students in class lectures

Strategies

- Structuring meaningful breakout room activities

Engagement and inclusion with Zoom tools

Polling

Chat

Screen sharing

Immersive view

Breakout rooms

Basic principles for engagement and inclusion

Create welcoming environment

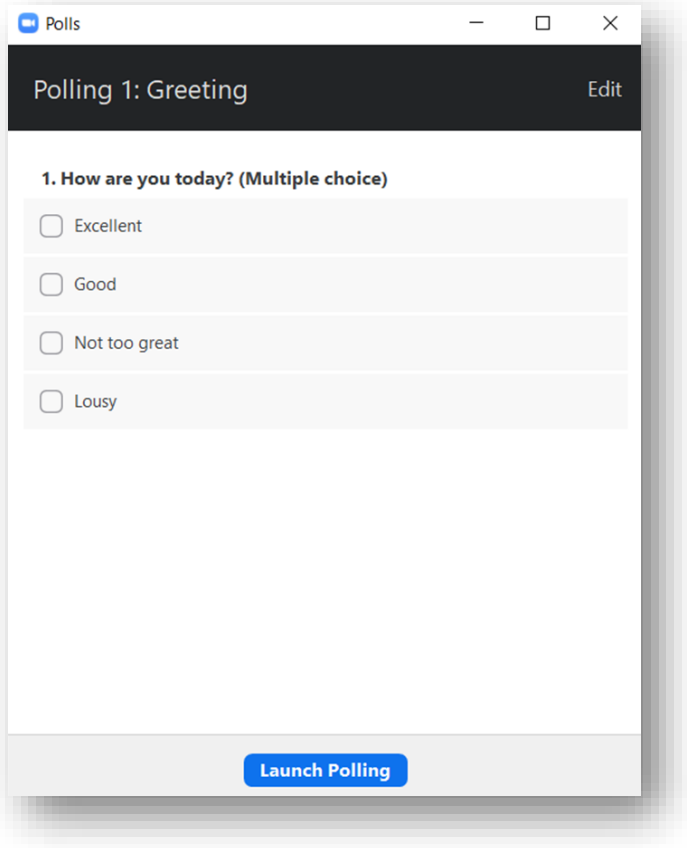
“Chunk” content presentations

Foster community building

Promote active learning

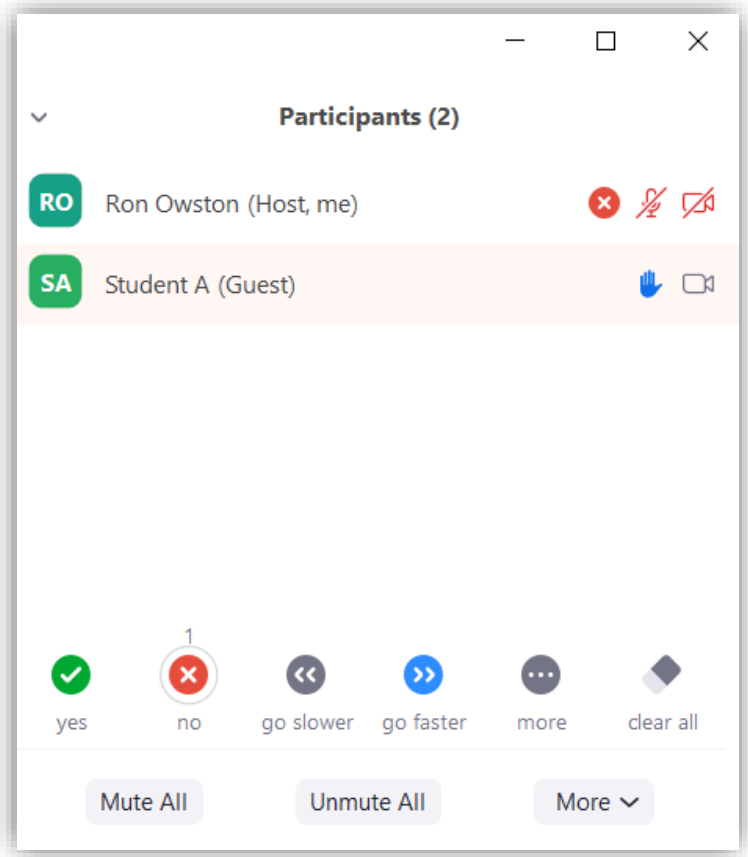
Harvard Study on active learning
https://www.pnas.org/content/116/39/19251

Polling students



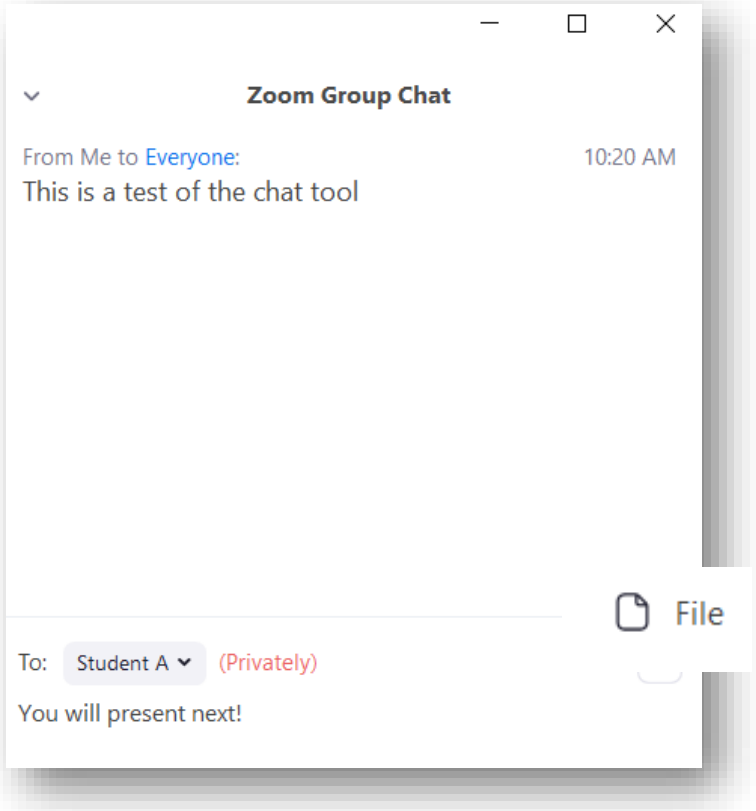
- Ice-breaking activities
- Quick checks on understanding
- 1 minute evaluations

Polling by hand raising/voting



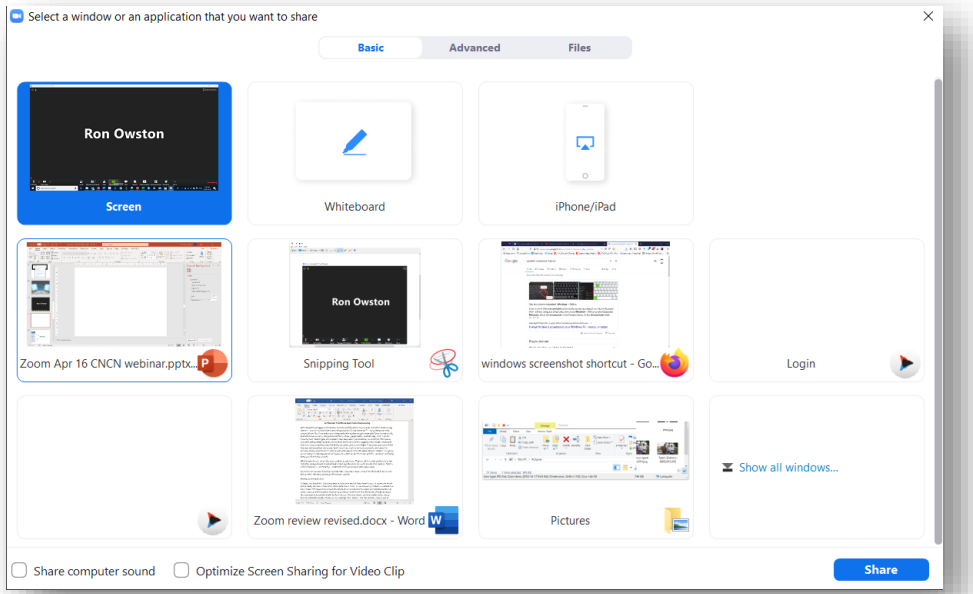
- Ask quick yes/no questions
- Call on a few students to explain their answer
- Do several times during class

Chat tool



- Back channel questions/discussion
- Pause to check several times during class
- Ask all students to post answer at same time

Screen sharing

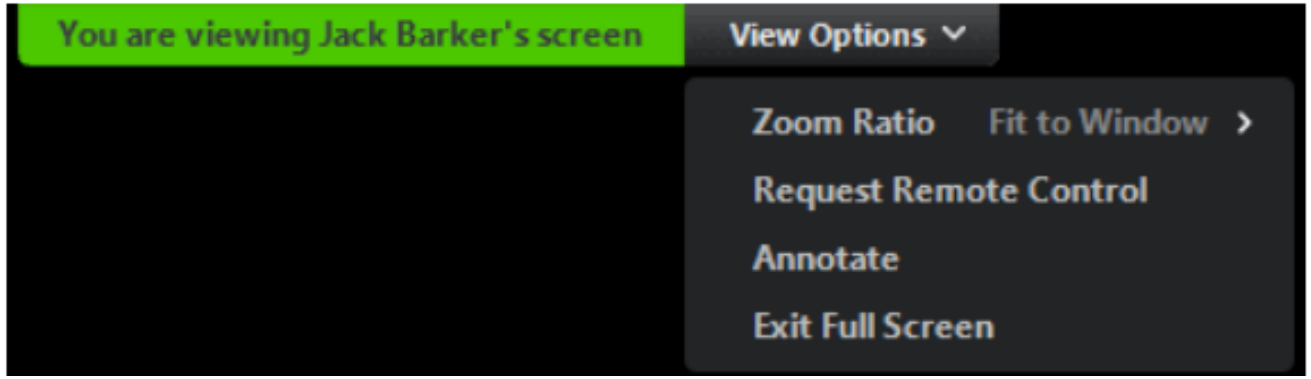


- Ask students/groups to share
- Model your work (see Khan Academy)
- Live demos
- Share brief videos

Student takes remote control

Actively engages students

Student to student or student to instructor

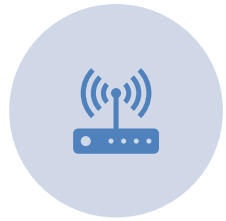


Breakout room ideas (*whole class)

*DISCUSSIONS – STRUCTURED, THINK-PAIR-SHARE, 3-2-1

*WHITEBOARD – ZOOM AND EXTERNAL CLOUD

*SPECIALIZED TOOLS



*WIKIS/ MINDMAPS

DIFFERENTIATED ROOMS

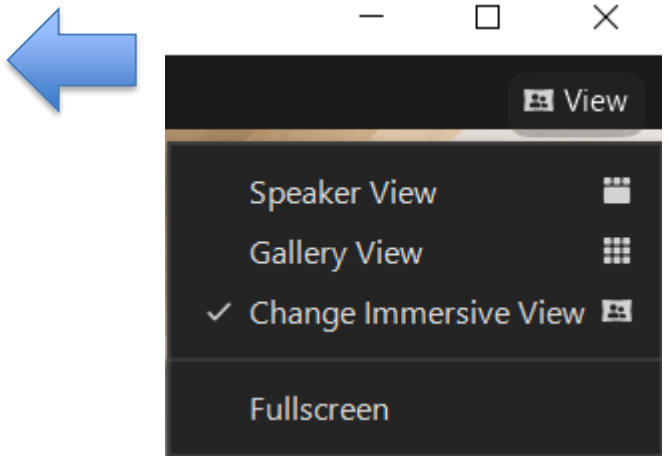
*GOOGLE – DOCS, SLIDES, JAMBOARDS

MEMES

ESCAPE ROOMS

*SIMULATIONS
EG. HTTPS://PHET.COLORADO.EDU

Reporting back in immersive view

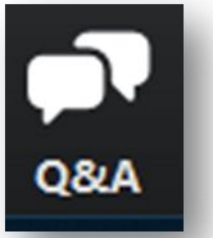


Challenge – look for ways you can make classes more engaging and inclusive

How to Use OBS Studio to Energize Your Zoom Presentations - Sept 17

How to Create Active and Engaging Learning Experiences with Zoom Breakout Rooms – Oct 13

https://teachonline.ca/webinars

Thank you!

http://ronowston.ca