

How to Effectively Use Zoom to Provide an Interactive and Engaged Learning Experience to Students

Ron Owston, PhD

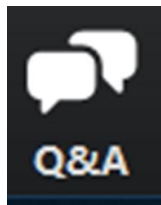
Research Associate, Contact North

Professor Emeritus, York University, Toronto, Canada

Agenda



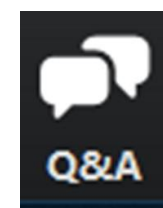
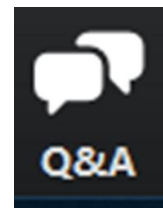
INTERACTION AND
ENGAGEMENT THROUGH ICE-
BREAKING ACTIVITIES



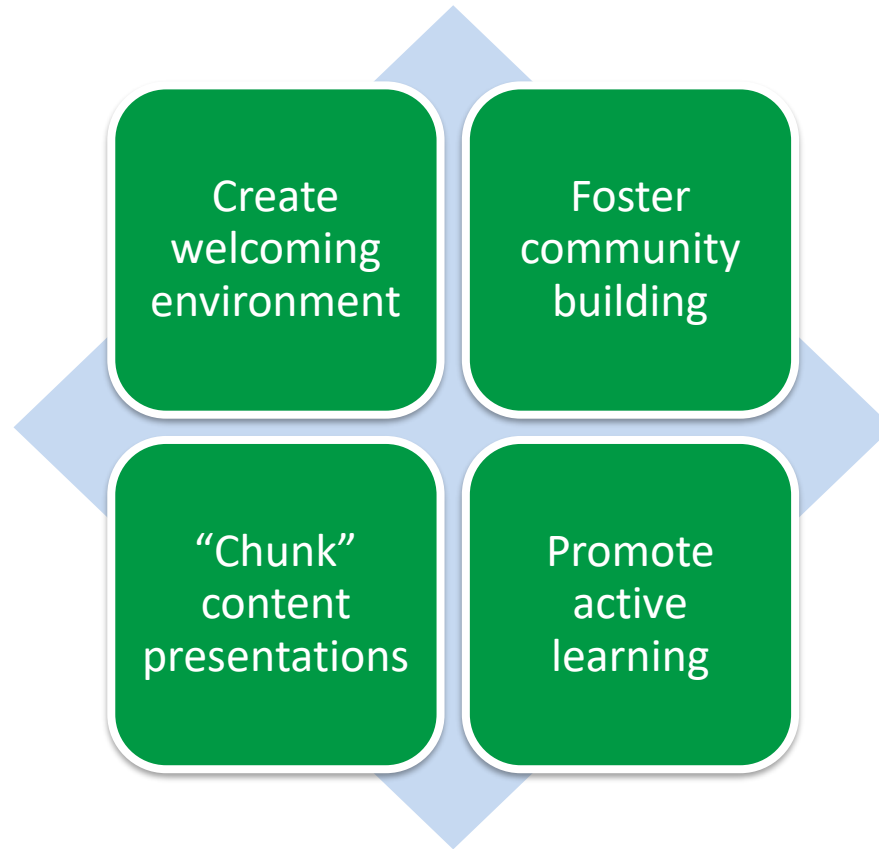
CREATING ENGAGING
PRESENTATIONS



ENGAGEMENT AND
INTERACTION IN BREAKOUT
ROOMS



Basic principles for interactive and engaging sessions

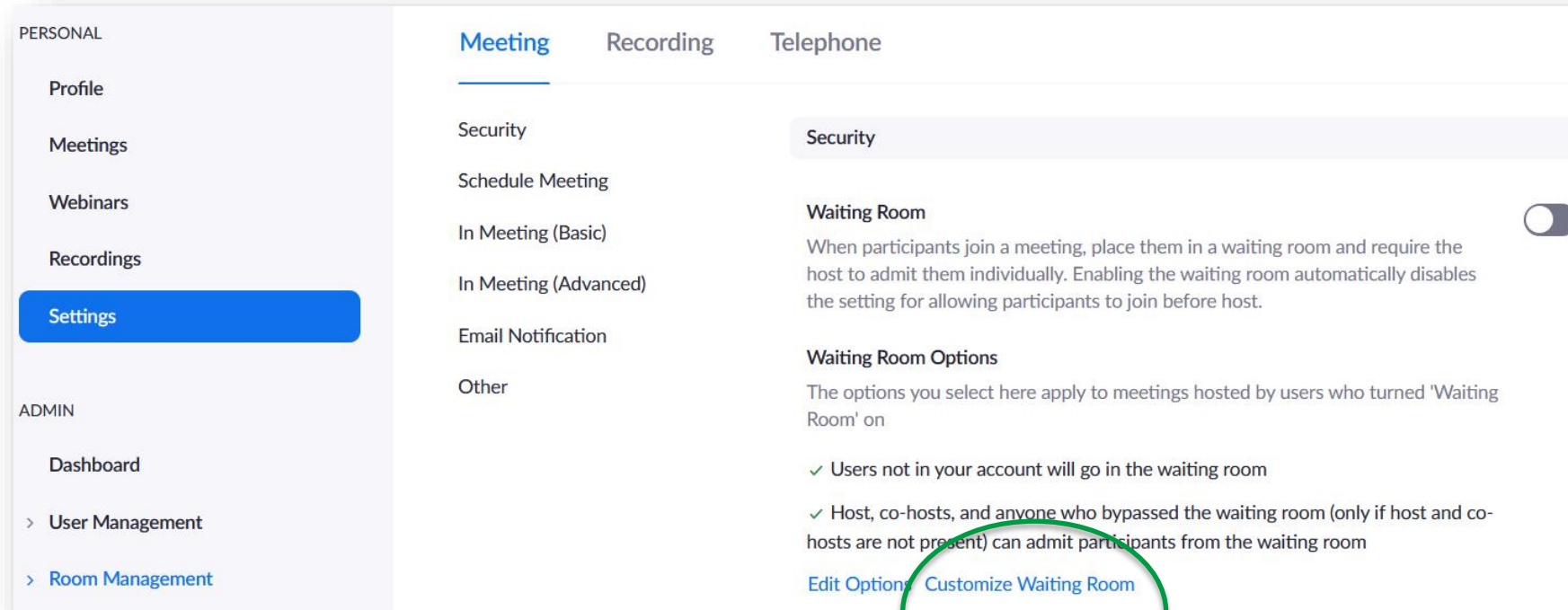


1. Interaction and engagement through ice-breaking activities



credit GovLoop.com

Engagement in Waiting Room



The screenshot displays the Zoom settings interface. On the left is a sidebar with 'PERSONAL' and 'ADMIN' sections. The 'Settings' option under 'PERSONAL' is highlighted in blue. The main content area has tabs for 'Meeting', 'Recording', and 'Telephone', with 'Meeting' selected. Under the 'Meeting' tab, there is a 'Security' section. Within 'Security', the 'Waiting Room' toggle is turned on. Below this, the 'Waiting Room Options' are listed, including a note about users not in the account and a note about hosts and co-hosts. A green circle highlights the 'Customize Waiting Room' link at the bottom of the options.

PERSONAL

- Profile
- Meetings
- Webinars
- Recordings
- Settings**

ADMIN

- Dashboard
- > User Management
- > Room Management

Meeting Recording Telephone

Security

Schedule Meeting

In Meeting (Basic)

In Meeting (Advanced)

Email Notification

Other

Security

Waiting Room ☒

When participants join a meeting, place them in a waiting room and require the host to admit them individually. Enabling the waiting room automatically disables the setting for allowing participants to join before host.

Waiting Room Options


The options you select here apply to meetings hosted by users who turned 'Waiting Room' on

- ✓ Users not in your account will go in the waiting room
- ✓ Host, co-hosts, and anyone who bypassed the waiting room (only if host and co-hosts are not present) can admit participants from the waiting room

[Edit Options](#) [Customize Waiting Room](#)

Customize Waiting Room

Meeting ID : 888-888-888

Please wait, the meeting host will let you in soon. 



{ Your Meeting Topic }

Add waiting room description

**Your meeting name
appears here
automatically**

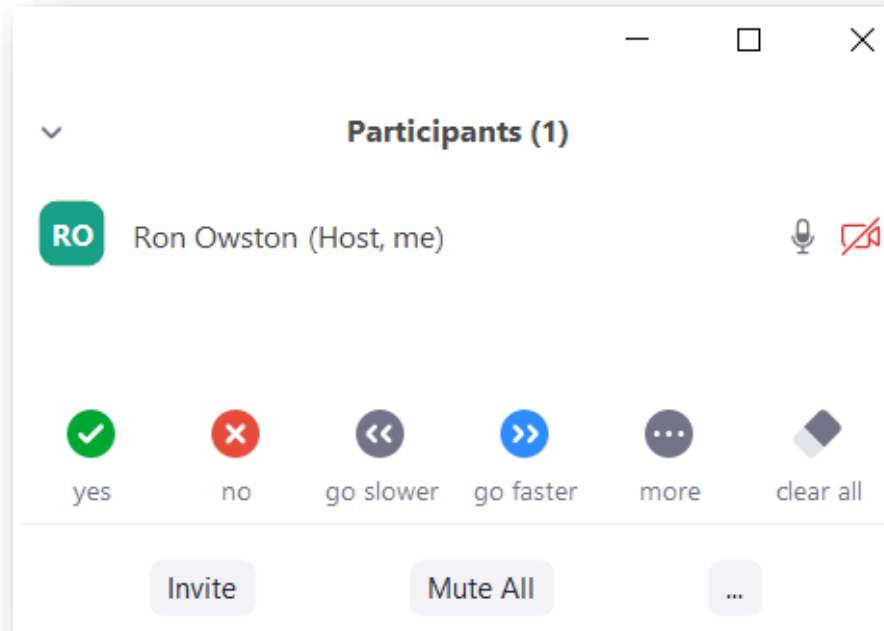
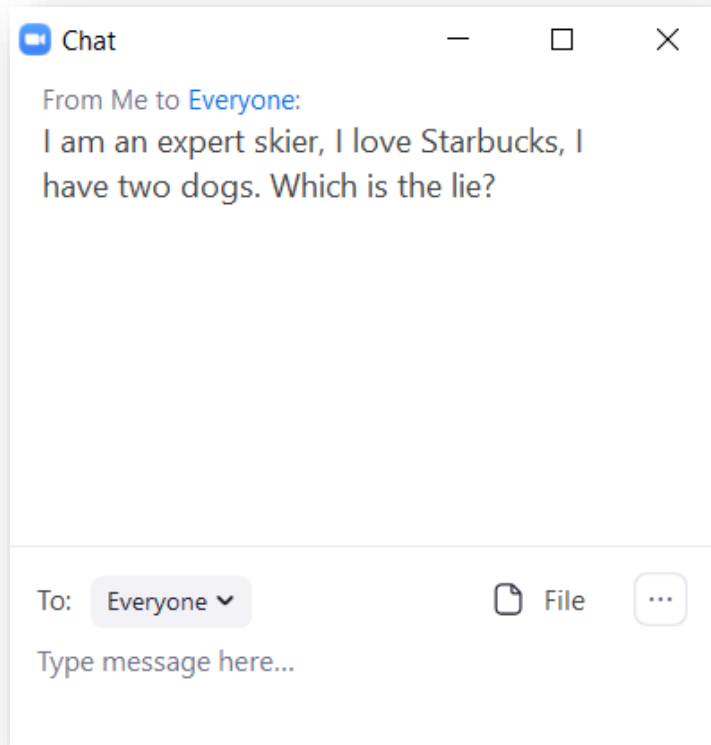
Activity, agenda, link

Logo should be in GIF/JPG/PNG format. The file size cannot exceed 1MB
Logo minimum width or height is 60px and cannot exceed 400px

Close

In-meeting ice-breaker activities

- Student (or you) posts “Two truths, One Lie.” Everyone votes.



In meeting ice-breaker activities

- Instructor posts question, students vote

Windows title bar: Polls

Header: Polling 1: Greeting Edit

Status: Polling is closed 0 voted

Question: 1. How do you feel today?

Excellent	(0) 0%
Good	(0) 0%
Not too great	(0) 0%
Lousy	(0) 0%

Buttons: Share Results Re-launch Polling

Windows title bar: Polls

Header: Sharing Poll Results

Status: Attendees are now viewing the poll results

Question: 1. How do you feel today?

Excellent	(0) 0%
Good	(0) 0%
Not too great	(0) 0%
Lousy	(0) 0%

Buttons: Stop Share Results Re-launch Polling

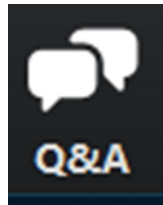
Other in meeting ice-breaker ideas



Ask students to show a virtual background that reflects themselves



Quiz with visual answers

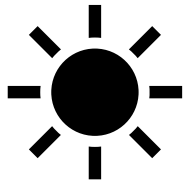


2. Creating engaging presentations



Photo credit: zoom.us

Pay attention to physical setup!





Source <https://er.educause.edu/blogs/2021/2/putting-your-best-self-forward-6-keys-for-filming-quality-videos#fn1>

My physical setup




Screensharing PowerPoint

SHOW TASKBAR DISPLAY SETTINGS END SLIDE SHOW

0:00:39 4:30 PM

You are screen sharing Stop Share

Four pedagogical models



This Photo by Unknown Author is licensed under CC BY

Next slide

Move from "talking head" to active learning

- All models will include active learning elements
- Suggested times for a 60 minute class.
- Not meant to be prescriptive but to stimulate your thinking
- Not suggesting you deliver your course with only Zoom – you may want to supplement a face-to-face course or a fully online course with Zoom

Slide 3 of 27

A⁺ A⁻

Get student feedback directly in PPT/Google Slides – Polleverywhere.com

Choose an activity

Blank activities

Small discussions

Large gatherings

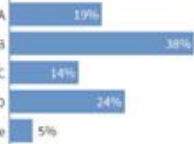
Interesting visuals

WFH icebreakers

When poll is active, respond at Polleverywhere.com/applseed

Test APPLSEED to 22333 once to join

Untitled multiple choice question




Option	Percentage
A	19%
B	38%
C	14%
D	24%
None of the above	5%

Multiple choice

Ask a question and people choose a response from a set list of answers.

When poll is active, respond at Polleverywhere.com/applseed

Untitled word cloud




Word cloud

Visualize words from audience comments, questions, and thoughts as a word cloud.

When poll is active, respond at Polleverywhere.com/applseed

Leaderboard

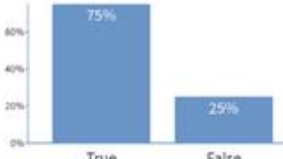


Competition

Ask a series of questions and declare a winner at the end for the person who scores the most points.

When poll is active, respond at Polleverywhere.com/applseed

Untitled true or false question



Response	Percentage
True	75%
False	25%

True or false

Quickly determine from your audience if a statement is true or false.

When poll is active, respond at Polleverywhere.com/applseed

Untitled open-ended question

"I really enjoyed this! Looking forward to the next session."

"I would like to dive more into the third chapter"

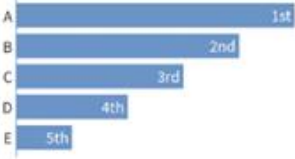
"Could you repeat the first part?"

Open-ended

Gather individual questions, ideas, and thoughts from the audience.

When poll is active, respond at Polleverywhere.com/applseed

Untitled ranking activity




Option	Rank
A	1st
B	2nd
C	3rd
D	4th
E	5th

Ranking

Rank a set of items and see what comes out on top.

When poll is active, respond at Polleverywhere.com/applseed

Untitled clickable image activity




Clickable image

Click anywhere on any image to drop a pin.

When poll is active, respond at Polleverywhere.com/applseed

Untitled Q&A




Question & answer

Audience submits and up/down votes each other's responses.

When poll is active, respond at Polleverywhere.com/applseed

Untitled self-paced survey

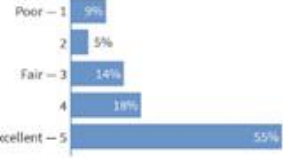


Self-paced survey

Ask questions before or after an event that people can answer at their own pace.

When poll is active, respond at Polleverywhere.com/applseed

Untitled numeric rating

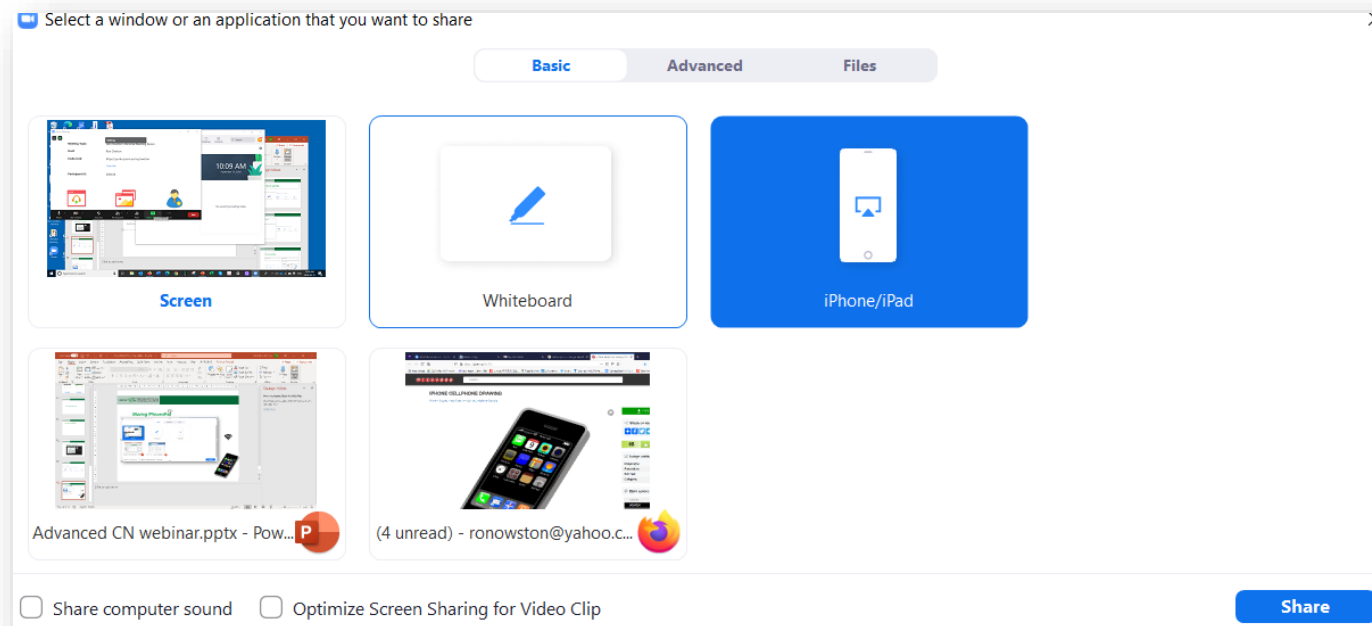


Rating	Percentage
Poor — 1	9%
2	5%
Fair — 3	14%
4	18%
Excellent — 5	55%

Numeric rating

Quantify how people feel about an issue on a scale from 1 to 5.


Sharing - iPhone/iPad



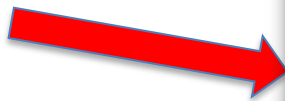
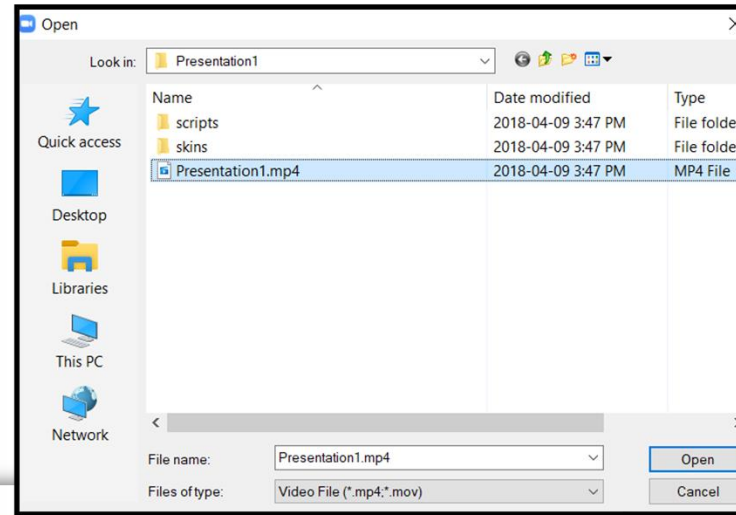
Advanced sharing

CONTACT NORTH Online Learning
Apprentissage en ligne

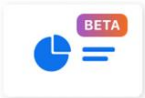
How to Teach Online Effectively Using Zoom




Ron Owston, PhD
Research Associate, Contact North
Professor Emeritus, York University, Toronto, Canada




Basic Advanced



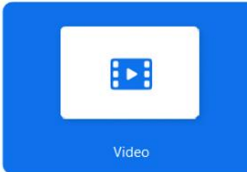
PowerPoint as Virtual Background




Portion of Screen



Computer Audio



Video

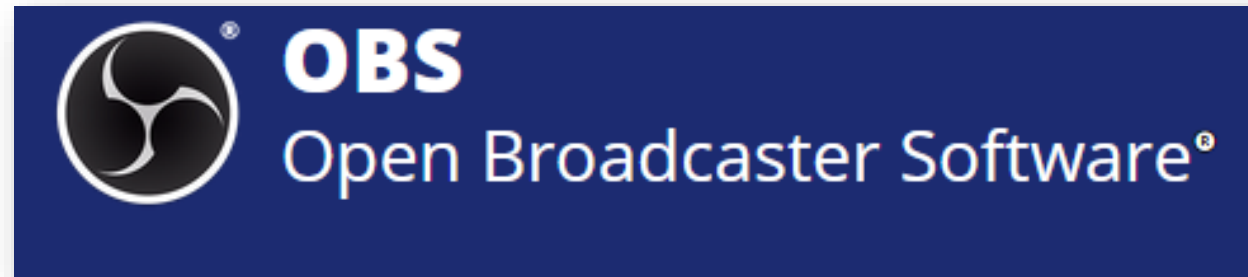


Content from 2nd Camera

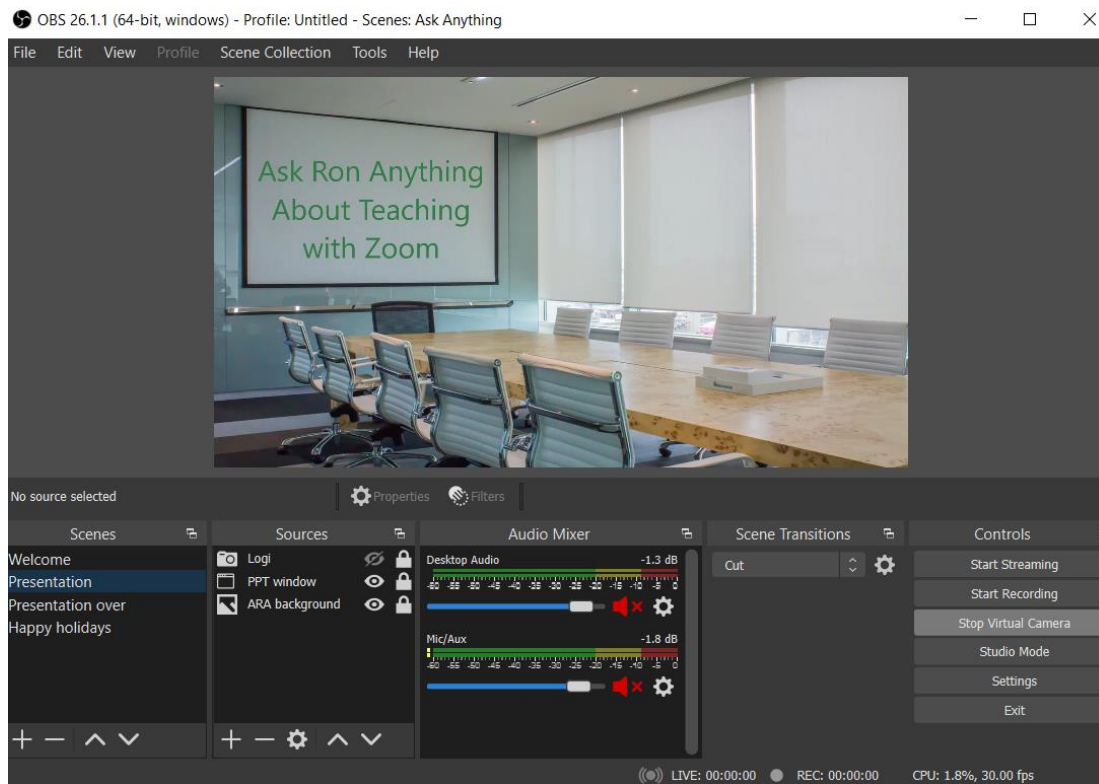
☒ Share sound ☒ Optimize for video clip

Share

Creating engaging presentations with OBS Studio!

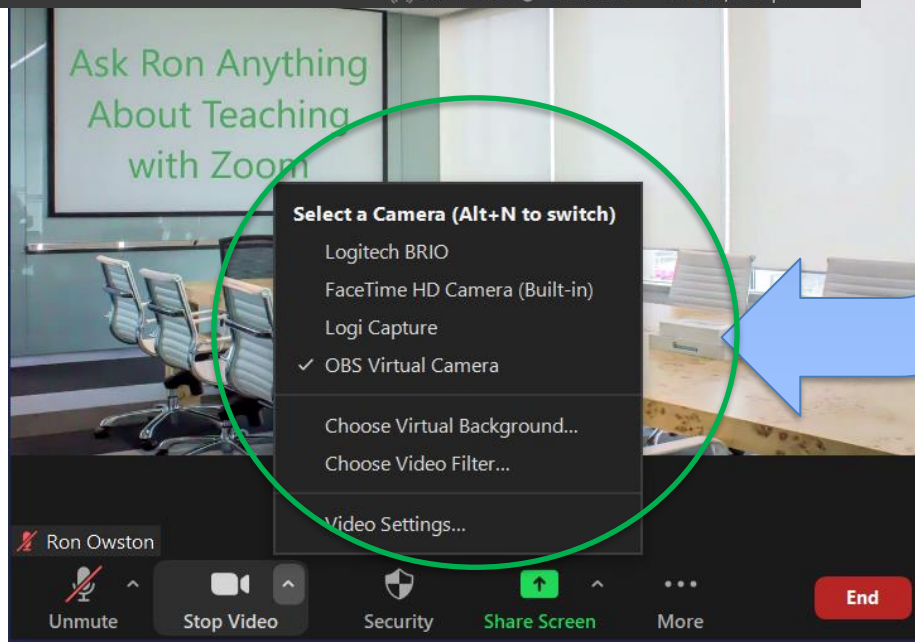


<https://obsproject.com>



**OBS
Studio**

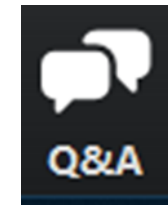
Zoom



3. Engagement and interaction in breakout rooms



credit Business Insider



Guiding principles...

Equitable
distribution of
labour

Sustained work
may be better

Get rid of grade
competition
within group?

Assign prework

Define activity
boundaries

Create Breakout Rooms

Breakout Rooms - Not Started

- | | |
|-------------------|--------|
| ▼ Breakout Room 1 | Assign |
| ▼ Breakout Room 2 | Assign |
| ▼ Breakout Room 3 | Assign |
| ▼ Breakout Room 4 | Assign |

- ☐ Allow participants to choose room
- ☒ Allow participants to return to the main session at any time
- ☒ Automatically move all assigned participants into breakout rooms

Recreate

- ☒ Breakout rooms close automatically after: 30 minutes
- ☒ Notify me when the time is up
- ☒ Countdown after closing breakout room

Set countdown timer: 60 seconds

Share Screen



Chat



Record



Closed Caption



Breakout Rooms



Reactions

Pre-assigned breakout rooms

Meeting Options

☒ Enable join before host

☐ Mute participants upon entry 

☐ Only authenticated users can join

☒ Breakout Room pre-assign

[+ Create Rooms](#)

[Import from CSV](#)

After scheduling this meeting, the settings you change here will apply to all scheduled meetings with the

	A	B	C
	Pre-assign Rooms	Email Address	
1	room1	test1@xxx.com	
2	room1	test2@xxx.com	
3	room2	test3@xxx.com	
4	room2	test4@xxx.com	
5	room3	test5@xxx.com	
6	room3	test6@xxx.com	
7			
8			

Enable desired tools before moving to rooms

Lock Meeting


Enable Waiting Room

Allow participants to:


- ✓ Share Screen
- ✓ Chat
- ✓ Rename Themselves
- ✓ Unmute Themselves

Remove Participant...

Report...



Security



 2

Participants

Participants (2)

RO

Ron Owston (Host, me)



SA

Student A (Guest)

Chat

Ask to Start Video

Make Host

Make Co-Host

Allow to Record


Assign to type Closed Caption

Rename

Put in Waiting Room

Remove

Report...



Ideas for interactive/engaging activities in breakout rooms



Discussions



Whiteboard



Wiki

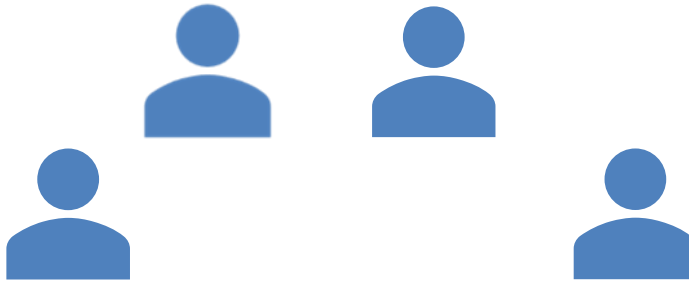


Google docs

Discussion groups

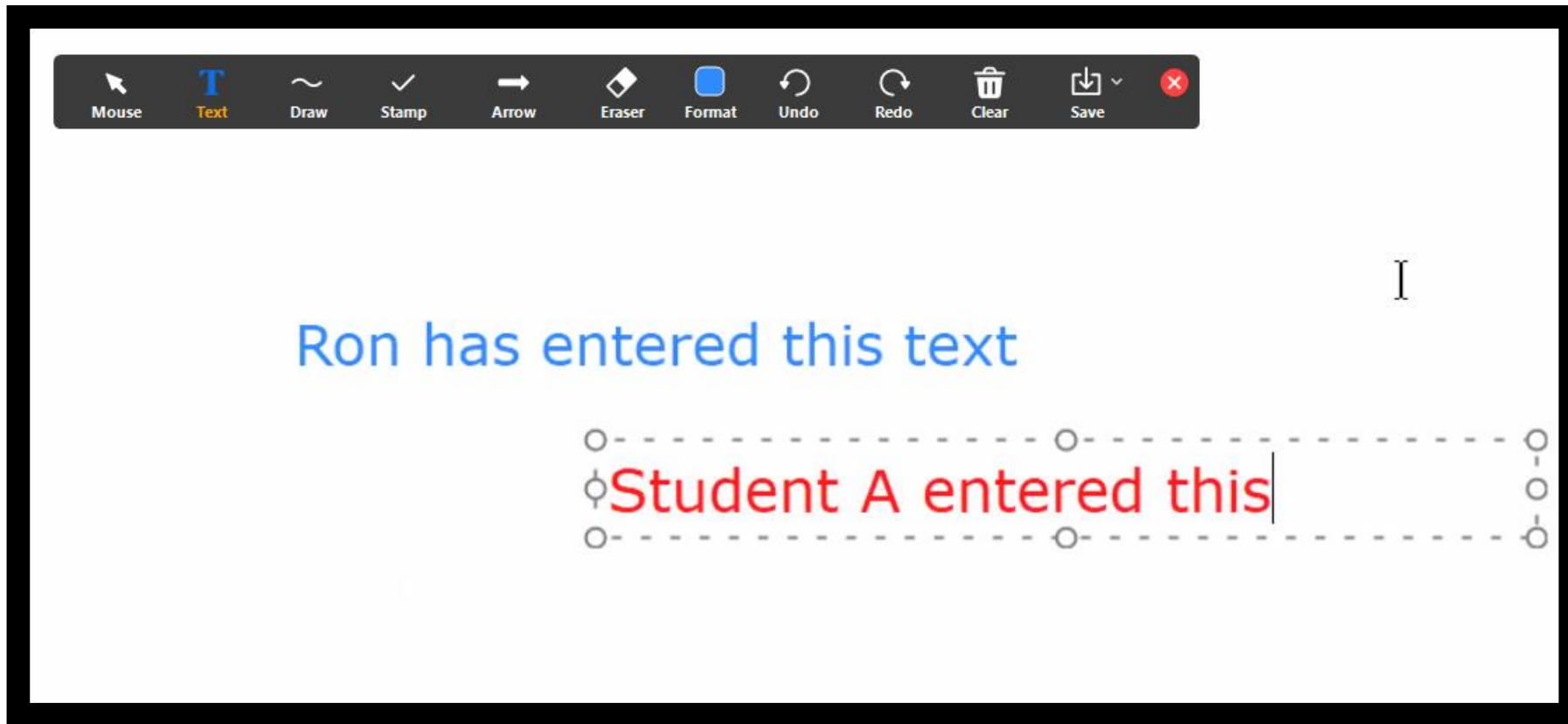


Make sure to structure task



**Assign student responsibilities
eg facilitator, recorder,
researchers, reporter**

Whiteboard collaboration



Wiki ideas

My PBworks

rowston@edu.yorku.ca · Log out

PBWORKS

Rowston

5

1

My discussion

Sandbox

Preferences

Beta

Watchlist

Contributions

Log out

Book

Discussion

Read

Edit

View history

☆

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Donations

Random book

Using Wikibooks

< Issues in Digital Technology in Education

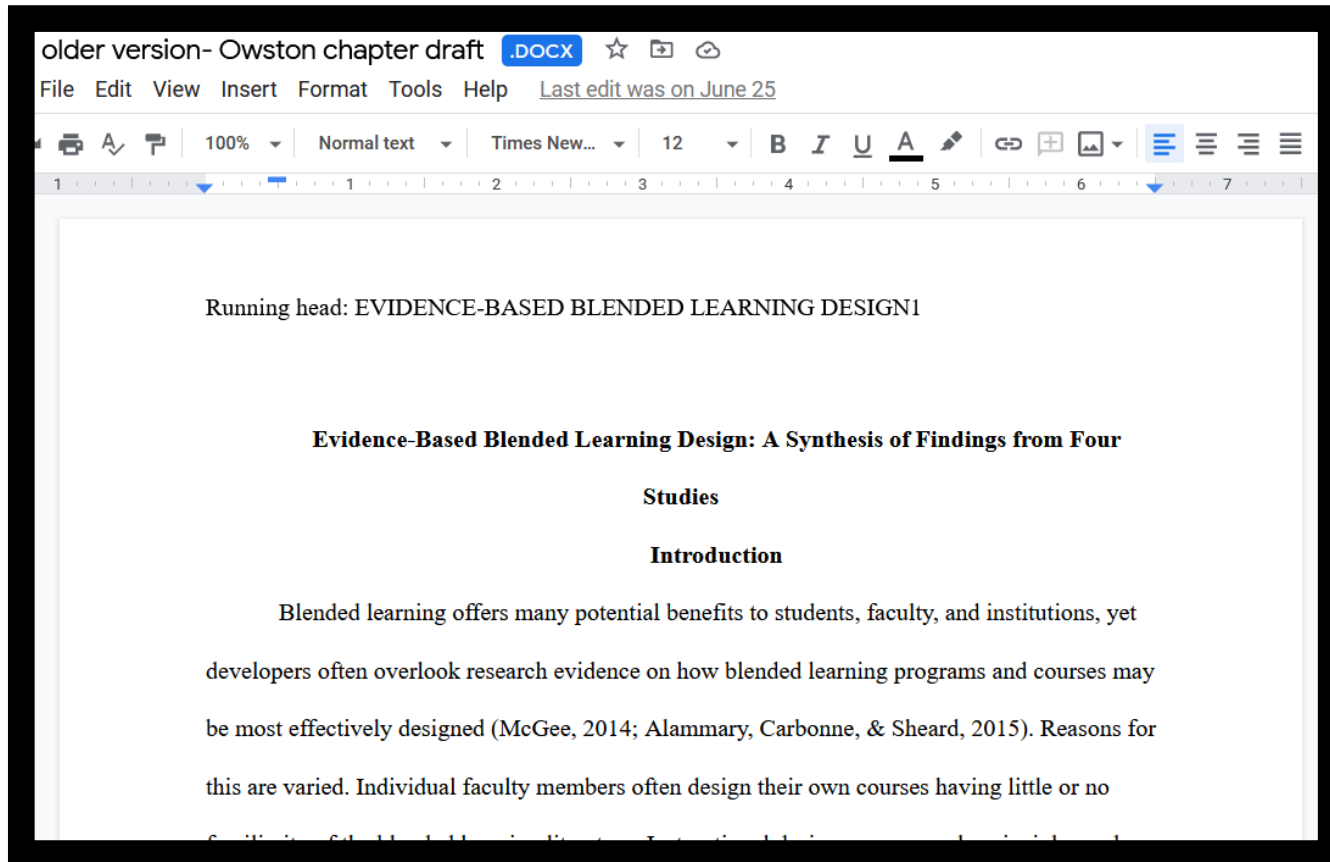
Issues in Digital Technology in Education/Accessibility and Usability

What is Web Accessibility?

Web accessibility is an extension of the inclusion movement whereby all components within society and the environment in which we live are available and readily accessible to everyone, including people with a disability. "It is essential that the Web be accessible in order to provide equal access and equal opportunity to people with disabilities." (WAI, p.2)

"The potential of the Internet is access for anyone to anything from anywhere at anytime." (Wall & Sarver, 2003, p. 1) In the age of technology, the internet has opened up the world to everyone, in

Collaboration on Google Docs

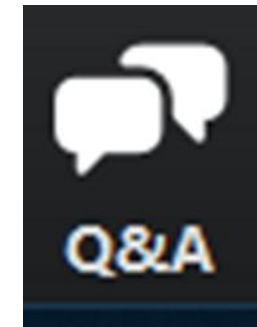


Reporting back to full class

- Oral presentation
- Google Slides using instructor prepared template
- Teach mini-lesson
- Video played and/or posted with follow-up activity



**Challenge – before your
next class try out a
something new you
learned today**



April 9 OBS Studio

Thank you!

<http://ronowston.ca>