



It's a **MIRO**-cle!

Using Miro as a Tool to Enhance
Communication and Collaboration
in Online Teaching

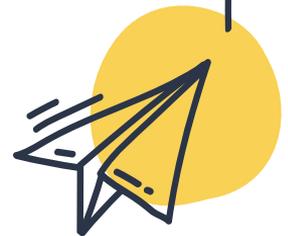
11 Mar (Thu) 12:45pm - 2pm Conducted via **zoom**

Teacher 11 Mar
What do you think?
Type a message



AT THE END OF THIS WORKSHOP...

- x 3 affordances of using technology for collaboration
- x 2 ways of using online whiteboard platform to enhance collaboration



SOME REMINDERS...

- ✗ Don't sit on the fence...
participate!
- ✗ I do not have all the answer... but
collectively, **we can find it.**
- ✗ If you have any questions, **raise
your hand or post it in chat**





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Affordances of Computer-Supported Collaborative Learning

Jeong & Hmelo-Silver (2016)

AFFORDANCES

Building Communities

Learners may experience difficulty with finding and learning about collaborators,

Monitoring and regulation

monitoring and regulating collaborative processes on their own is important

Communication

This is often not a problem in face-to-face collaboration, but become an obstacle when learners are distributed.

Engaging in co-construction

Processing collaborators' contribution is important.

Sharing resources

it is not always easy to share resources with one another. Especially when students are distributed..

Engaging in productive processes

Learner may collaborate, but their interaction may be unproductive



AFFORDANCES

Engaging in productive processes

- Pre-organized input areas and message labels
- Message starters, sentence prompts, and question stems

Engaging in co-construction

- Tangible technologies and shared interfaces
- Joint workspaces (as well as or instead of private workspaces)

Sharing resources

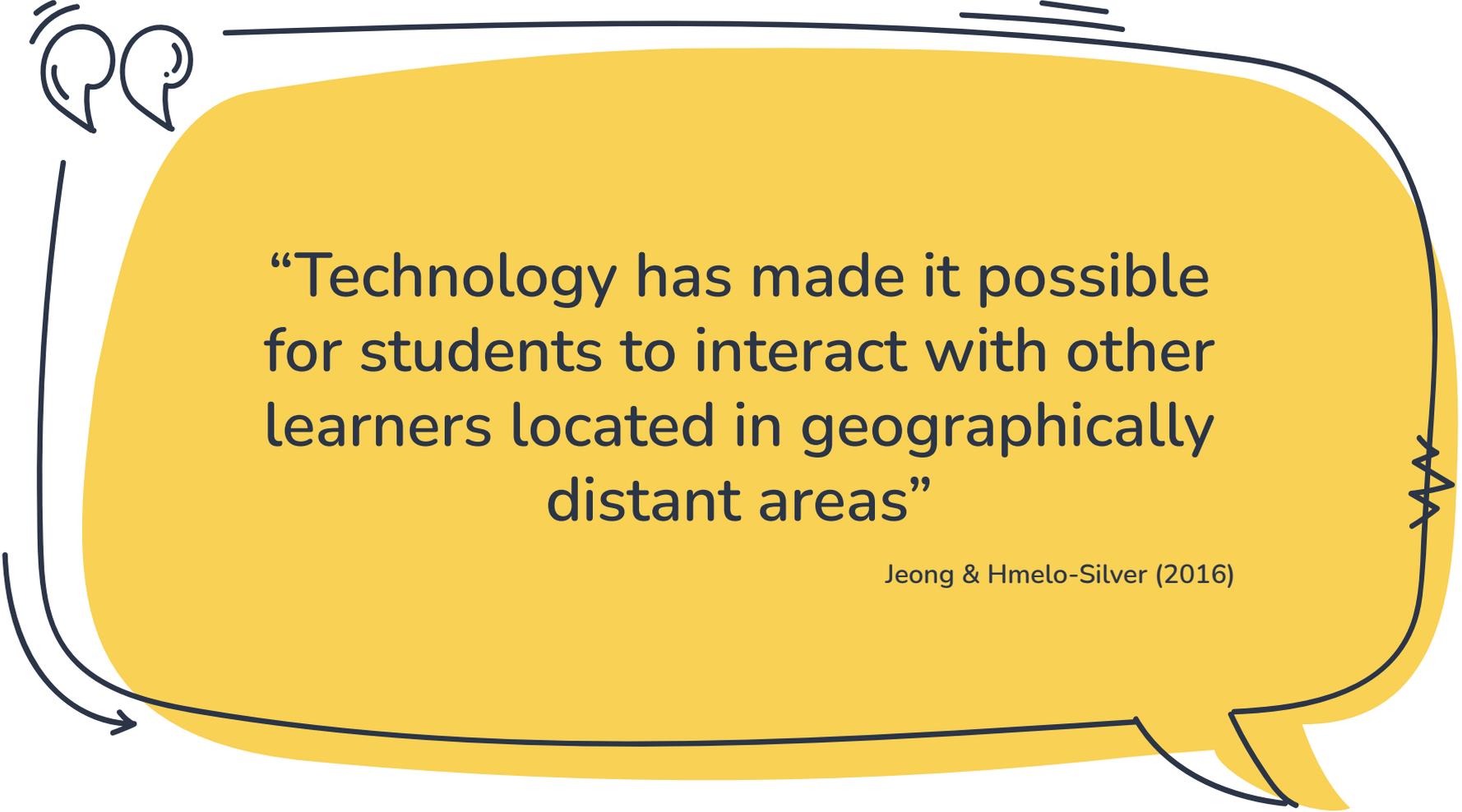
- Communication technology, data repository, websites
- Digital concept map of partner's meta-knowledge
- Annotation tools





2

Why use an online
collaboration platform?
And why **Miro**?



“Technology has made it possible for students to interact with other learners located in geographically distant areas”

Jeong & Hmelo-Silver (2016)

What are the
collaboration
tools that you
use?



COMMON COLLABORATION TOOLS

	Text	Video	Feedback	Presentation
Google Docs		as a hyperlink	mostly text	linear (per page)
PowerPoint (Cloud)	limited		mostly text	linear (per slide)
Discussion Forum (Moodle)			both text and multimedia	linear (per thread)



MIRO EXAMPLE...

The screenshot shows a Miro board titled "MITE 6311 Activities [Jan 2021]". The board is organized into five main sessions, each with a title and a grid of activity cards:

- Session 0: Onboarding**
 - Human Bingo!
 - In-class Ac...
- Session 1: Instructional Design - Part 1**
 - Factual Learning
 - Conceptual Learning
- Session 2: Instructional Design - Part 2**
 - Principle Learning
 - Procedural Learning (Pre-c...
 - Procedural Learning (In-cla...
 - CPR Activity
- Session 3: Instructional Design - Part 3**
 - Attitude Learning (Part 1)
 - Attitude Learning (Part 2)
- Session 4: E-learning Design**
 - 5E Model

The board interface includes a top navigation bar with "Share", "Help", "Search", and "List" icons. A left-hand toolbar contains various drawing and editing tools. A bottom toolbar shows navigation and zoom controls, with a zoom level of 1%.



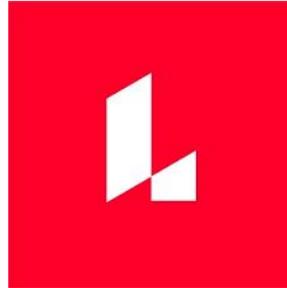
OTHER COLLABORATION TOOLS LIKE MIRO



Mural



Concept
board



Lucid
spark



Aww
boards





}

How can **Miro** support
collaboration?



Familiar with this tool?

THE WHITEBOARD...

Solve for x

$$4x^2 - 3x + 1 = 0$$

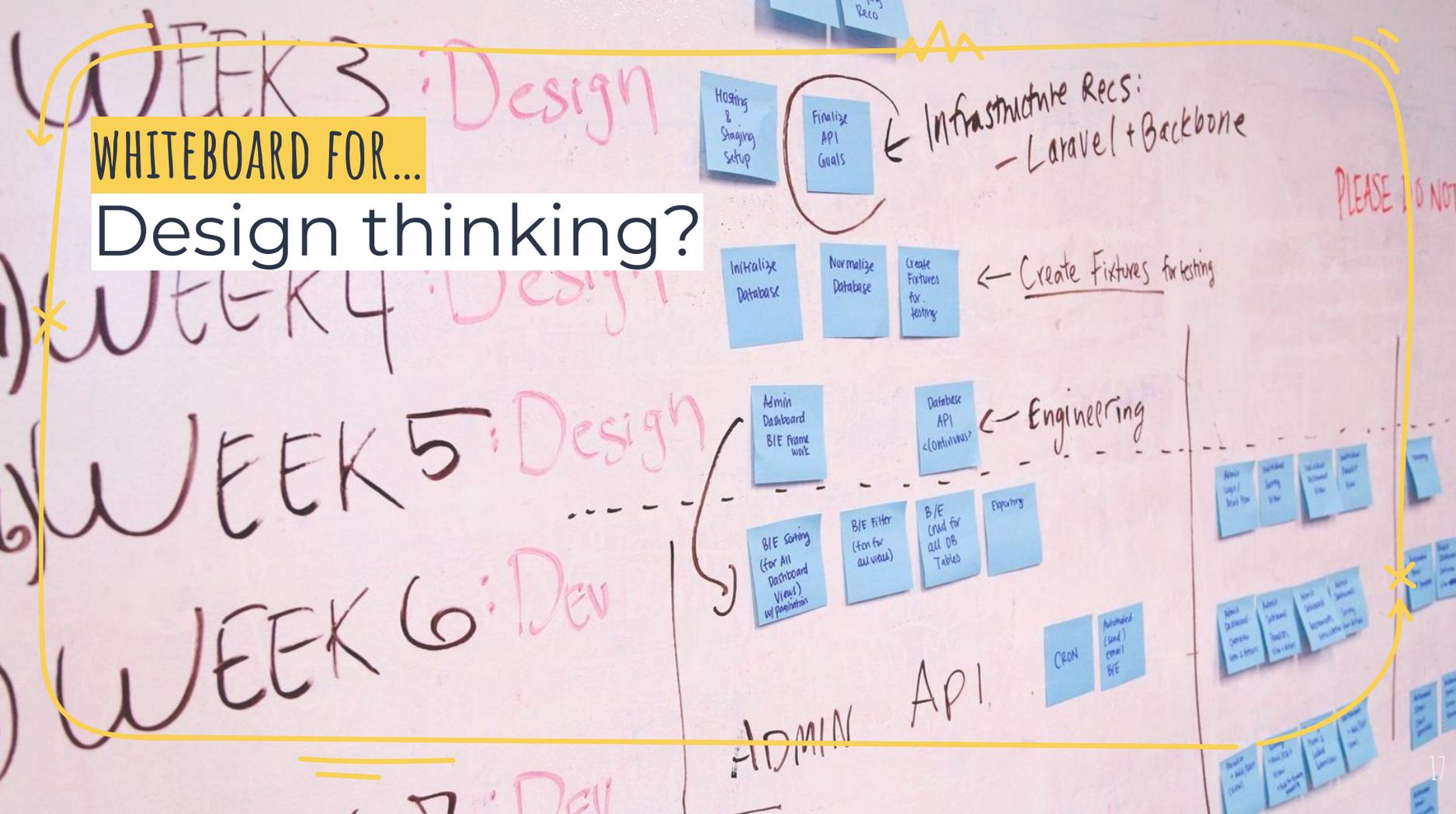
WHITEBOARD FOR...

Solving equation?

Solve for x
 $4x^2 - 3x + 1 = 0$
Quadratic formula:
 $(4x^2 - 3x + 1) = 0$

WHITEBOARD FOR...

Design thinking?



SCENARIO

Let say you have a common core course about science and health, and at the end of the semester you will ask your students to make a poster regarding COVID vaccination



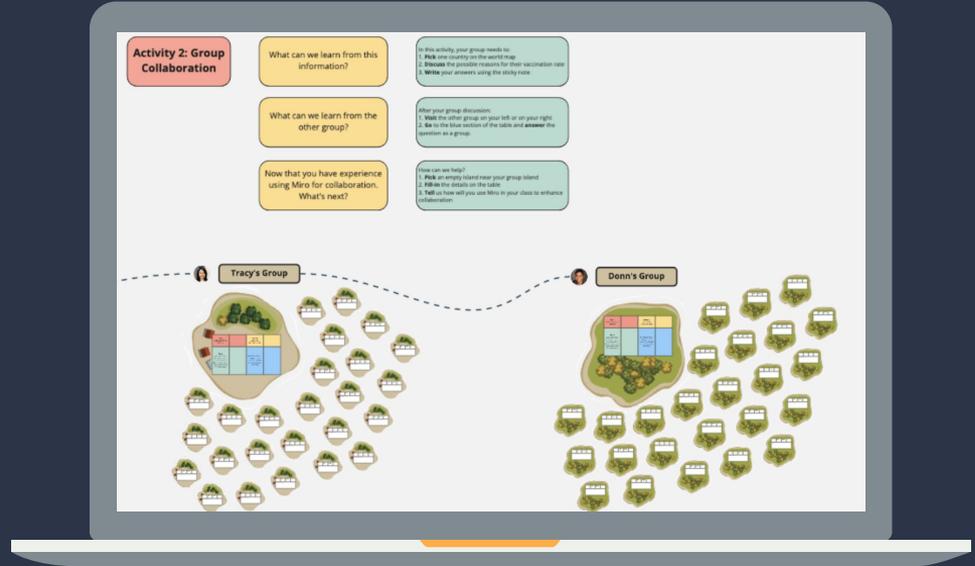
CLASS * COLLABORATION

Where do you want to travel?



GROUP * COLLABORATION

How can we reach herd immunity?



FACILITATORS



Donn



Michelle



Simon



Tracy



4

Other use cases for
collaborative whiteboard
platform?

FOR AN ACTIVITY...

The screenshot displays the Miro collaborative workspace interface. At the top, the Miro logo and the text "It's a MIRO-cle!" are visible. The interface includes a toolbar on the left with various drawing tools and a top navigation bar with options like "Share", "Help", "Notifications", "Search", and "View".

The main workspace contains two primary activity diagrams:

- Class Collaboration:** Titled "Activity 1: Class Collaboration", it features a world map with various icons representing different countries and regions. Text boxes around the map provide instructions and questions for class members.
- Group Collaboration:** Titled "Activity 2: Group Collaboration", it consists of four circular diagrams arranged in a 2x2 grid. Each diagram is surrounded by numerous small icons representing group members. Text boxes above and below the diagrams provide instructions and questions for group members.

Both diagrams are interconnected by dashed lines, suggesting a flow or relationship between the activities. A smaller diagram with blue icons is visible in the bottom right corner of the workspace.



FOR A SERIES OF CLASS WORK...

The screenshot shows a Miro board titled "MITE 6311 Activities [Jan 2021]". The board is organized into several sessions and activities:

- Session 0: Onboarding**
 - Human Bingo!
 - In-class Ac...
- Session 1: Instructional Design - Part 1**
 - Factual Learning
 - Conceptual Learning
- Session 2: Instructional Design - Part 2**
 - Principle Learning
 - Procedural Learning (Pre-c...
 - Procedural Learning (In-cla...)
 - CPR Activity
- Session 3: Instructional Design - Part 3**
 - Attitude Learning (Part 1)
 - Attitude Learning (Part 2)
- Session 5: E-learning Design**
 - 5E Model

The board also features a toolbar on the left with various drawing and editing tools, and a search bar at the top right. A magnifying glass icon is visible in the bottom right corner of the board.

FOR CLASS PORTFOLIO (WITH 2 INSTRUCTORS)...

The image shows a Miro digital workspace titled "New ES4L Course Board". At the center is a large green square labeled "ES4L" with a red compass rose indicating North (N), South (S), East (E), and West (W). Surrounding this central board are various task cards and notes organized into columns and rows. The cards are color-coded and include details such as "Task 1: Course Information", "Task 2: Business Cards", "Task 3: Leadership Walk", and "Task 4: Kahoot!". There are also sections for "TEAM MARTY" and "TEAM HELEN" with their respective profiles. A sidebar on the left contains Miro's tool palette. At the bottom, a status bar indicates "Hide highlighting on changes".



AFFORDANCES

Engaging in productive processes

- Pre-organized input areas and message labels
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Engaging in co-construction

- Tangible technologies and shared interfaces
- Joint workspaces (as well as or instead of private workspaces)

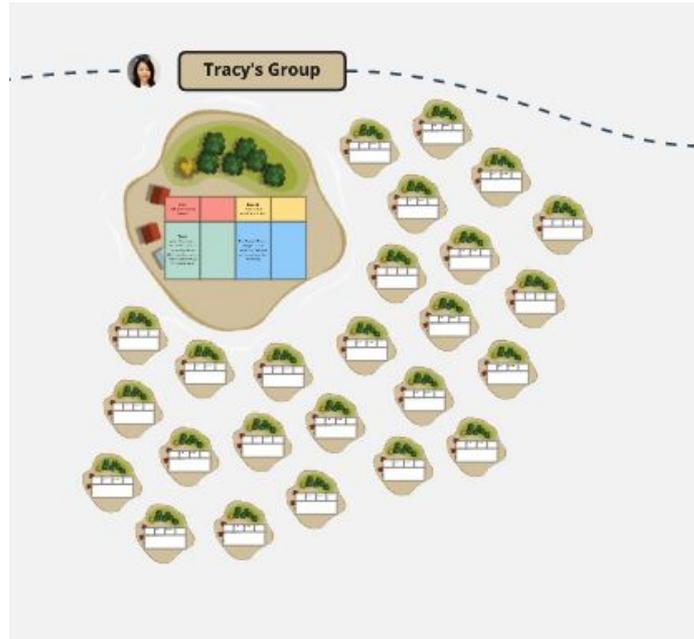
Sharing resources

- Communication technology, data repository, websites
- Digital concept map of partner's meta-knowledge
- Annotation tools



ENGAGING IN CO-CONSTRUCTION

- Tangible technologies and shared interfaces
- Joint workspaces (as well as or instead of private workspaces)



Sharing resources

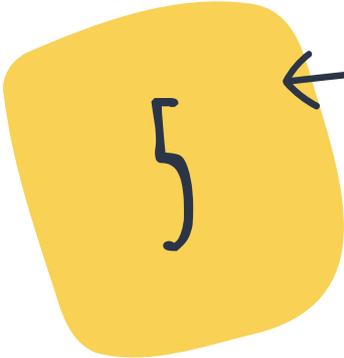
- Communication technology, data repository, websites
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The screenshot displays a digital interface titled "Notes and Resources" with a blue header. Below the header, the text "One more thing..." is visible. The interface is divided into several sections:

- What are the four CIC Literacies?**: A section containing four small cards with icons and text, likely representing different literacy types.
- COVID: When might we achieve herd immunity?**: A video thumbnail showing a person speaking, with a play button overlay.
- Workshop Slides**: A large grey rectangular area with a play button, suggesting a video or presentation.
- Feedback**: A smaller video thumbnail with a play button.
- Seven Affordances of Computer-Supported Collaborative Learning**: A document or slide thumbnail with a play button.

A yellow callout box labeled "Simon Boynton" points to the "Seven Affordances..." document thumbnail.





One last thing...

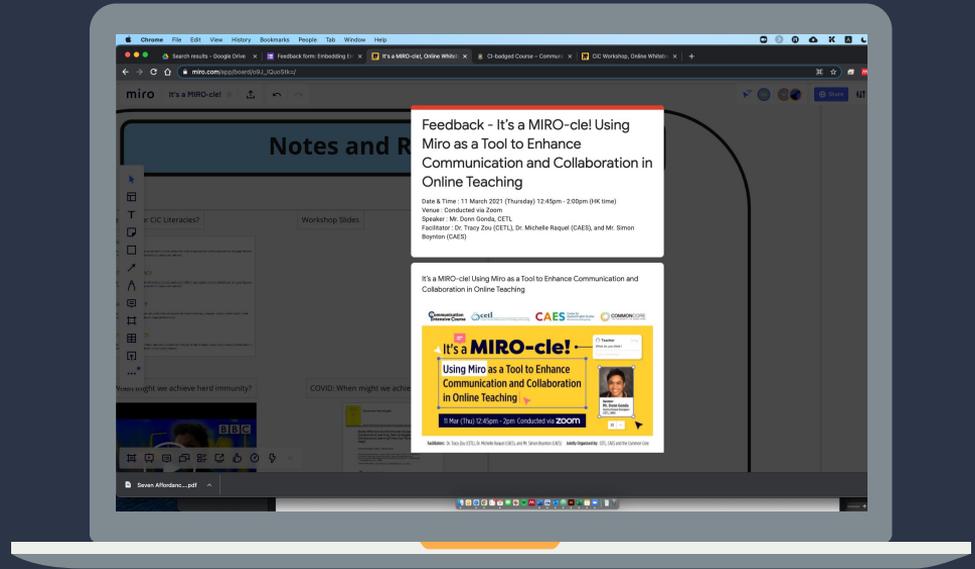




“One thing I personally like about Miro is the ability to embed resources through `<iframe>`”

FEEDBACK AND SURVEY

You can embed surveys in Miro for private peer feedback



THANKS!

Any questions?

You can find me at:

X dgonda@hku.hk

