

USING ONLINE TECHNOLOGY SAFELY, SECURELY, AND FOR TEACHING AND ASSESSMENT BY VINCENT CHIEW

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(sahla)

Southern Alberta Heritage
Language Association

SAHLA SYMPOSIUM

**‘LANGUAGES LEARNING FOR EDUCATIONAL DEVELOPMENT,
SOCIAL/CULTURAL COHESION AND ECONOMIC/CAREER OPPORTUNITIES’**

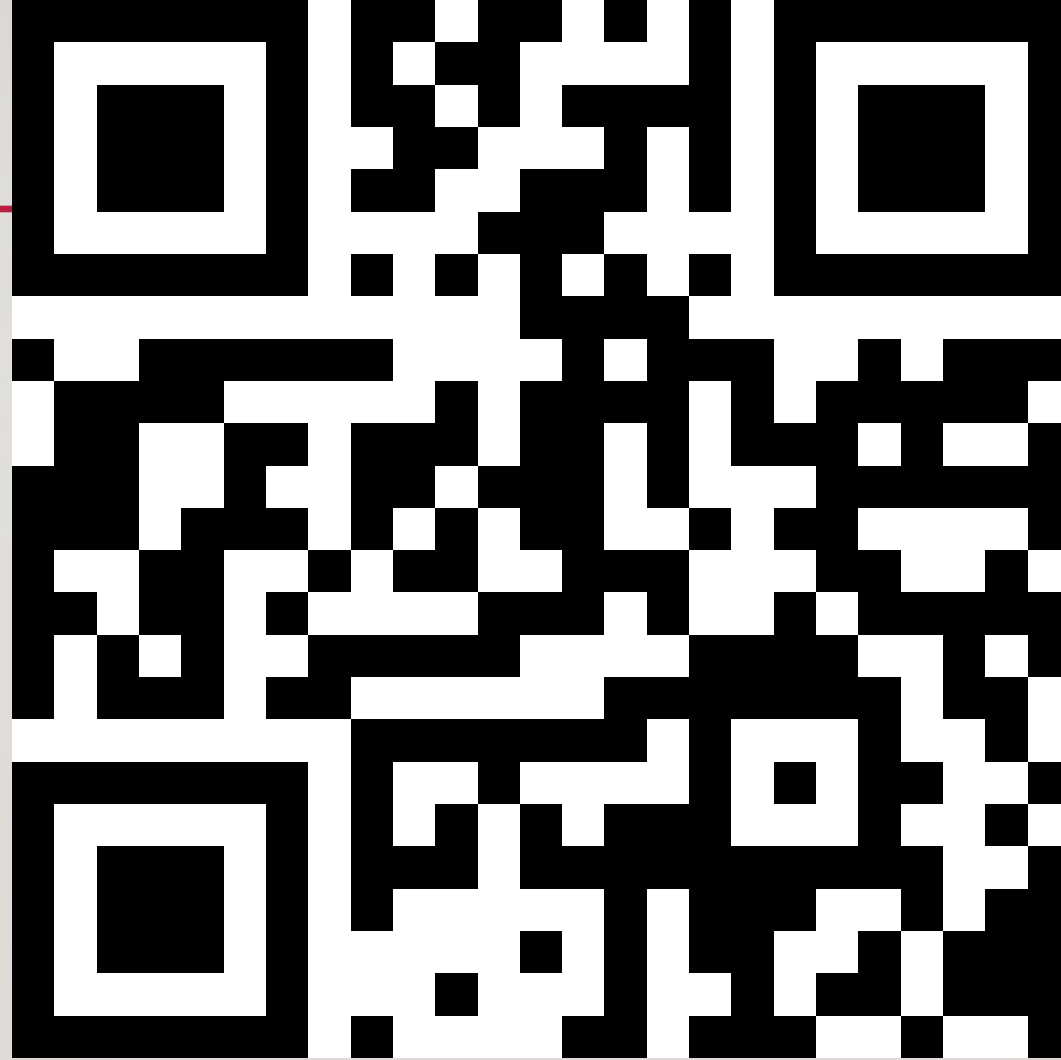
JUNE 18TH, 2022

CLARION HOTEL, 2120 - 16 AVENUE NE

LAND ACKNOWLEDGEMENT

In the spirit of respect, reciprocity and truth, we would like to honour and acknowledge the land we teach and learn on Treaty 7 territory and includes the Blackfoot Confederacy (comprising the Siksika, Piikani, and Kainai First Nations), as well as the Tsuut'ina First Nation, and the Stoney Nakoda (including the Chiniki, Bearspaw, and Wesley First Nations). The City of Calgary is also home to Métis Nation of Alberta, Region 3.

QR CODE TEST



Use your QR code app or just your camera



Technology Song for Kids - The Polkadots

Ref: <https://youtu.be/JElHogpVJlk>



PLAY SONG

- A bit of exercising (mainly for adults)
- A bit of shock factor for alerting
- A bit of energy charging
- A bit song and subject correlating
- A bit of topic wondering and questioning
- A bit of chit chatting & networking
- Can play streaming radio or YouTube®
- Ask students for genre / station / songs



CENTER FOR CYBER SAFETY AND EDUCATION

[Center for Cyber Safety and Education | Home \(iamcybersafe.org\)](http://iamcybersafe.org)

1. [Cyberbullying](#)
2. [Safe Shopping](#)
3. [Social Media](#)
4. [Gaming](#)
5. [And More](#)

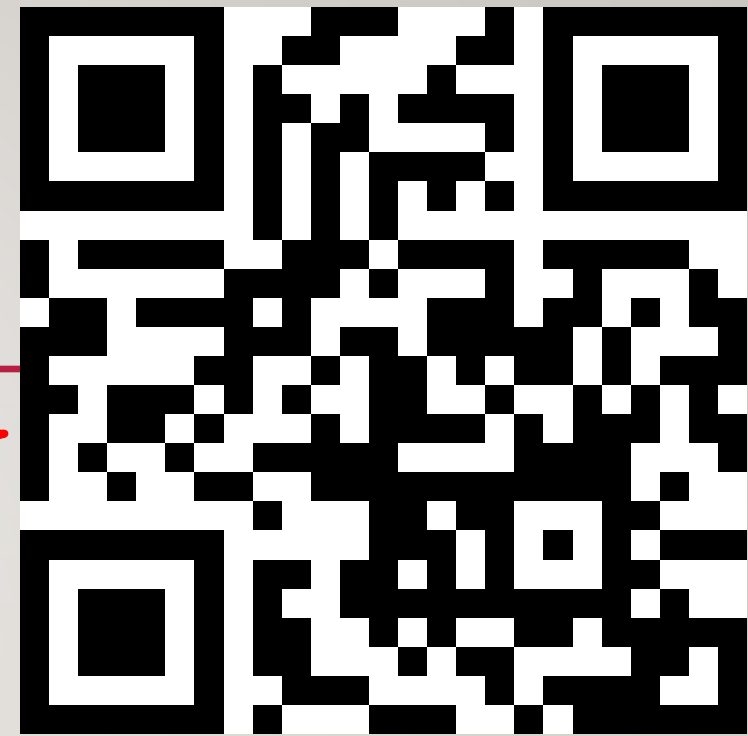
Free
Information

Some items above are available in multiple languages

Email: Vincent.Chiew@IEEE.ORG if you would like me to provide Cyber Safety presentations for your schools, students, and parents.

1. Parents
2. Gaming for Parents
3. Teens
4. Senior Citizens
5. Youth 11-14
6. Special [Garfield's Cyber Safety Adventures](#) 6-10

Free
Presentations



SLIDO + DEMO

- Website: sli.do
- Event Code: **8666542**
- QR Code:



- Link: <https://app.sli.do/event/qAd22dtVqX65jEuVqkZt6P>

ANONYMOUS RESPONSE + DEMO

What do you want to get out this presentation?

QUIZ + DEMO

Are you comfortable using technology for teaching?

- A) 1) Yes
- B) 2) No
- C) 3) So-so, somewhat, a little
- D) 4) What is technology?

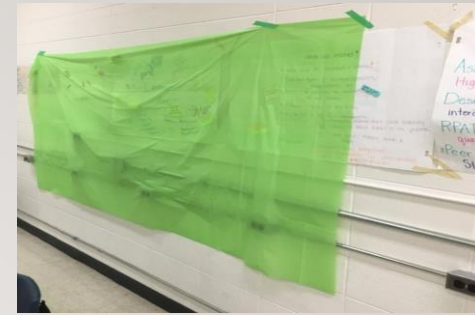
CLOUD WORDS + DEMO

What is your favourite flavour of ice-cream?

TECHNOLOGY SETUP + DEMO



+



Basic setup.
Need newer powerful machine

~\$100, great quality 4K video & audio, wide screen, and excellent in low light. Can use regular SLR camera too

A few dollars green table cloth from loonie store

Enable Multi-Screen Share



<\$50 USB 3.1/C and up to add more toys



Fine hand writing and drawing illustration



<\$50 tripod hold phone, webcam, etc. Can be use for hand writing projection

TEACHING MODALITIES AND ASSESSMENT TYPES

1. Modality: Virtual (Online)
2. Modality: In-person
3. Modality: Synchronous (Realtime)
4. Modality: Asynchronous (Pre-recorded)
 1. Self study
 2. Engagement via email, discussion, office hours, phone, video, etc.
5. Assessment: Formative (e.g. teaching efficiency)
6. Assessment: Summative (e.g. teaching effectiveness)
7. Hybrid
 1. 1 & 4, 2 & 4 – Great additional offline support, and absentee learner (e.g. sick, work, vacation, etc.)
 2. 2 & 3 – Sick at home and remote learners
 3. Pedagogy for K-12 learners like 3 from experience
 4. Andragogy for mature learners like 4 from experience

ZOOM

- Join Zoom Meeting
 - <https://us06web.zoom.us/j/85787584088?pwd=L0FKR2VIbUI5TXV0M09IbnImU0dBQT09>
-

• Meeting ID: **857 8758 4088**

• Passcode: **6 | 8**



EASY POINTS TO ENCOURAGE THE USE OF TECHNOLOGY TO HELP YOU

- Points for picture
 - screen capture
 - can better associate names with students.
- Points for proper name
 - Get alignment with official name in the registration
 - Attendance
 - Participation
 - Respectful and use of proper names.

SCREEN SHARING

- Instructor can use it to show diagrams, handouts, pages, etc.
- Instructor can also use it to illustrate writing and drawing
- Learners can also use screen sharing to show how to write
- Can use it for pop quizzes, etc. for formative assessments
- Note that zoom can record so learners can use it to demonstrate skills such as writings.
 - Use Zoom as an all-in-one tool.

IMMERSIVE ENVIRONMENTS + DEMO



CHAT + VIDEO + DEMO

- All chat can be recorded manually or automatically just for the instructor.
- Instructor can see all private and anonymous feedback for marking.
- Demo chat segregation by:
 - Separating chat section with lines
 - Add questions and notes to each section
 - Tell students to type but only press enter on your command
 - Close your chat section with “line” separator to cut off timer
 - Can use the “Do not show video” for similar surprise illustration.
 - Example, ask student to write an answer or find an object then everyone turn on their video at the same time to show their work.

ONLINE-STOPWATCH

[Online Stopwatch \(online-stopwatch.com\)](https://www.online-stopwatch.com/)

<https://www.online-stopwatch.com/>

I. [Candle Timer - Candle Clock - Online Stopwatch \(online-stopwatch.com\)](https://www.online-stopwatch.com/)

BREAKOUT ROOM + DEMO

- Group work
- Can request instructor to come to the room.
- Instructor can broadcast into every rooms
- With Teaching Assistant (TA), divide and conquer the rooms to help students

- During teaching, struggling students can go to each breakroom with TA to get a more personalized help
- Room can be pre-assigned, random, or self-assigned
- Can use for office hours just like visiting a doctor

DISTRACTIONS + DEMO

- Mood enhancement
 - Bad weather – Use virtual background
- Pets
 - Ask students to mute
 - Some students find comfort with pets with them
 - Stress relieve. That is why universities in Calgary sometimes do have pets on campus for students to pet, cuddle, hug, etc. during final exam period
- Kids
 - Engage kids so learners at still in tune and still in the learning state.
 - Normally, kids will get bored then leave.
 - When a learner break the learning moment, the learner may miss a teachable moment. That moment may have critical learning points.

STUDENT ACCOMMODATIONS

(PLEASE PARDON MY POLITICAL CORRECTNESS) (PART 1/2)

- Instructor's challenges
 - Accent, tone, volume
- Foreign learners
 - Attend synchronously on-line for most time zones or setup an additional time to cover the remainder time zones.
 - Pre-recorded for off-line asynchronous learning
 - Close captioned for translation
 - Can use chat for feedback because most foreign learners can type better than they can speak.
 - Can provide feedback directly to the instructor
 - Can use Teaching Assistant (TA) to help with monitoring and response

STUDENT ACCOMMODATIONS

(PLEASE PARDON MY POLITICAL CORRECTNESS) (PART 2/2)

- Slower learners
 - Ability to record teaching
 - Remind Learners about privacy and recording retention (normally 2 weeks only)
- Deaf
 - Sharing screen with sign interpreter
 - Real-time close captioning
- Mute
 - Can type and read correspondence
- Vision Impaired
 - Can zoom and perform read out loud

DICE ROLLER

- <http://a.teall.info/dice/>
- <https://www.elversonpuzzle.com/dice-roller.html>

NAME PICKER

- [Wheel of Names | Random name picker](#)

SUMMARY

- Sandwich methods
 - Fun + energy + knowledge + activities
 - Knowledge + fun + theory + application
 - Anecdote (knowledge + fun)
- Can be used in conjunction with experiential learning

CONCLUSION



- Augmenting technology can improve teaching efficiency and effectiveness at the right time and place. Do not force technology use.
- Can technology replace instructors? Depends.
- Try one feature a few times before you learn and add more features to your teaching

Thank you.

Now time for Answers and Jokes

Email: Vincent.Chiew@ieee.org for a copy of the slides



Metaverse Education

BONUS



MS OFFICE QR CODE GENERATOR PLUG-IN

The image shows a screenshot of the Microsoft Office ribbon and the Office Add-ins pane. The ribbon is at the top, with the **Insert** tab selected. The **Get Add-ins** button is circled in red. Below the ribbon, the Office Add-ins pane is open, displaying the search results for "qr". The search bar contains "qr" and is circled in red. The results are sorted by **Popularity**. The first result is **QR4Office**, which is highlighted with a blue background and circled in red. The description for QR4Office is "A first-of-its-kind QR-generator that integrates seamlessly into your Office documents." and it has a rating of 4.5 stars (121 reviews). The **Add** button for this plug-in is also circled in red. Red arrows indicate the flow from the **Get Add-ins** button to the search bar, then to the QR4Office result, and finally to the **Add** button.

Insert Draw Design Transitions Animations Slide Show Record Review View Help Picture Format

Pictures Screenshot Photo Album Shapes Icons 3D Models SmartArt Chart Get Add-ins My Add-ins Zoom Link Action Comment Text Box Header & Footer WordArt

Office Add-ins

MY ADD-INS | STORE

Add-ins may access personal and document information. By using an add-in, you agree to its Permissions, License Terms and Privacy Policy.

qr Sort by: Popularity

Category

All

Best Apps of the Year

Document Review

QR4Office
A first-of-its-kind QR-generator that integrates seamlessly into your Office documents.
★★★★☆ (121)

Add

MONITORING THE INTERNET

- [Google Alerts - Monitor the Web for interesting new content](#)
 - <https://www.google.ca/alerts>
-



- [Have I Been Pwned: Check if your email has been compromised in a data breach](#)
- <https://haveibeenpwned.com/>

