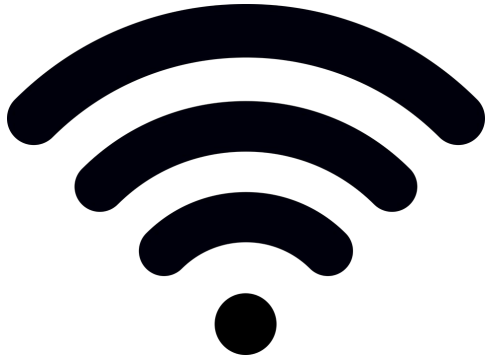
Northland School Division

Leveraging Technology: Removing Barriers to Create Opportunities for Collaboration and Growth



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Our story.....

What does Northland School Division have in common with both Arizona and Italy?

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Northland School Division covers approximately the same amount of physical space as both Arizona and Italy.

Italy: 301,340 Km
Arizona: 295,254 Km
NSD: 288,347 Km

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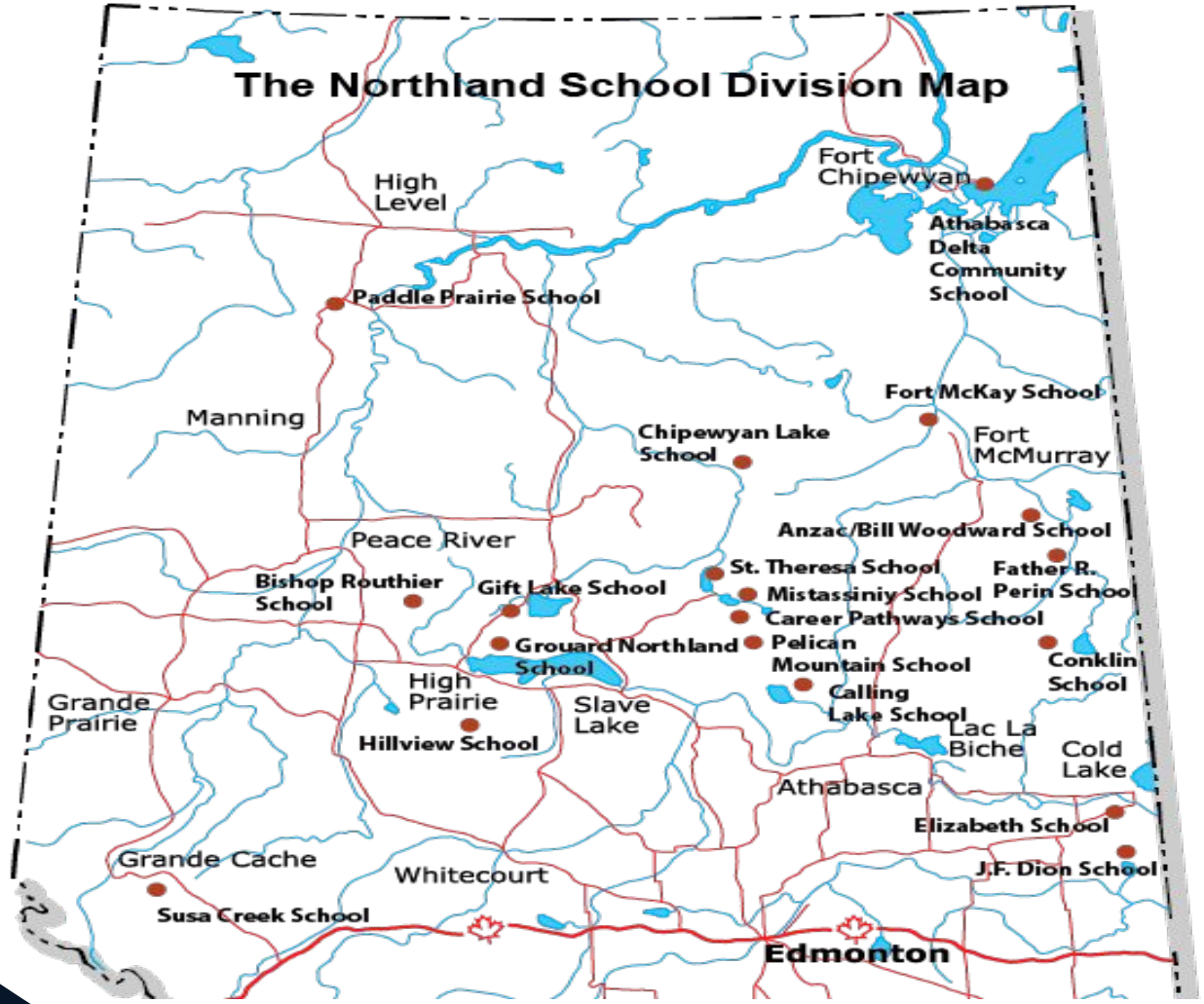

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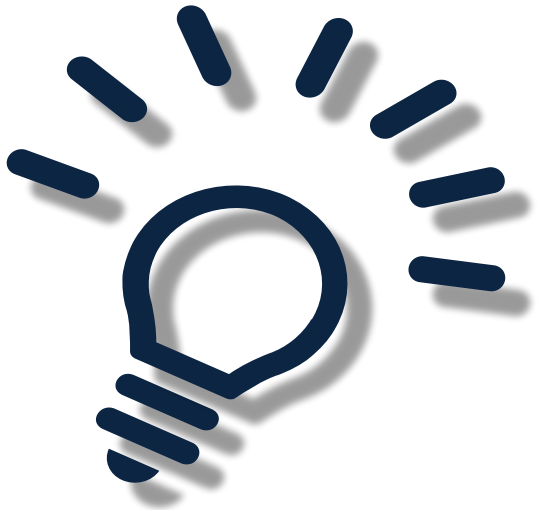
Where we were in 2018...

- Extensive travel time/PL
- Challenges accessing presenters
- Obstacles preventing collaboration between schools
- Extensive windshield time for central office staff
- Distance between teachers led to working in isolation
- Limited access to outside resources and partnerships
- Significant funds spent on travel/accommodations
- Weather and road conditions a factor in planning



How can we remove the distance and time barriers to bring people together to collaborate and connect?

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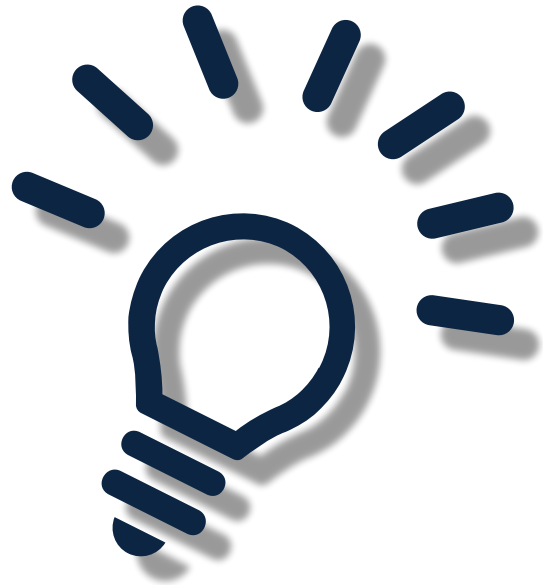
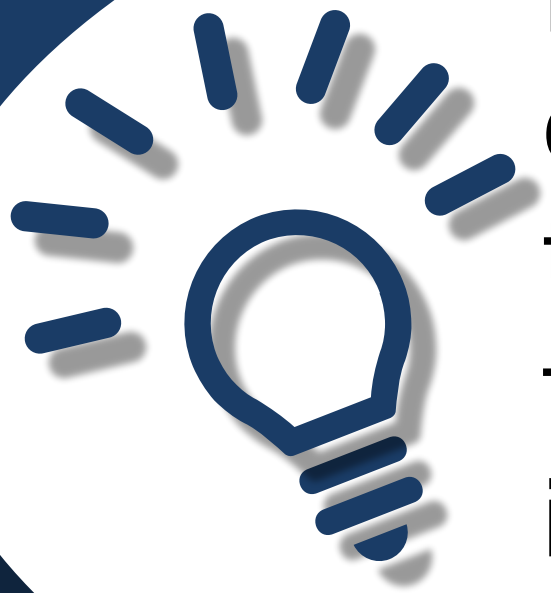
What we noticed...

- Using technology for collaboration was a challenge
- Limited capacity for technology use in classrooms
- Technology used as an add-on rather than to support and elevate learning
- Teachers wanted more opportunities to collaborate
- Teachers wanted support for technology integration
- Teachers wanted to learn how to better engage students with/through technology





How can we build the capacity of our teachers to use technology for engaging our students in deeper and richer learning?

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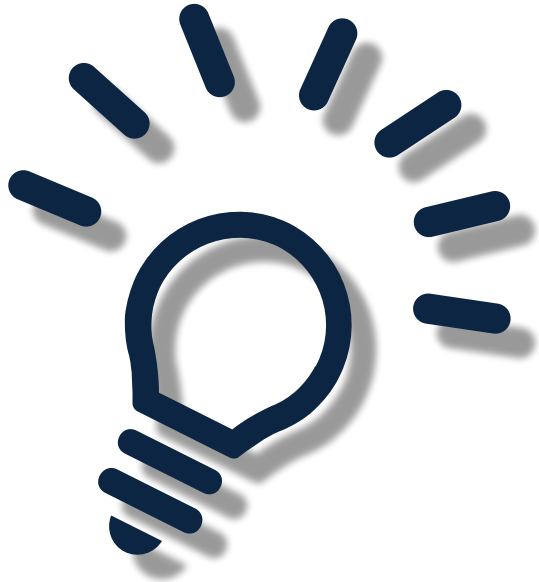
Two focus areas...



1. **Leverage technology to improve communication and collaboration and to reduce distance and time barriers.**

2. **Leverage technology to engage students and enhance teaching and learning.**

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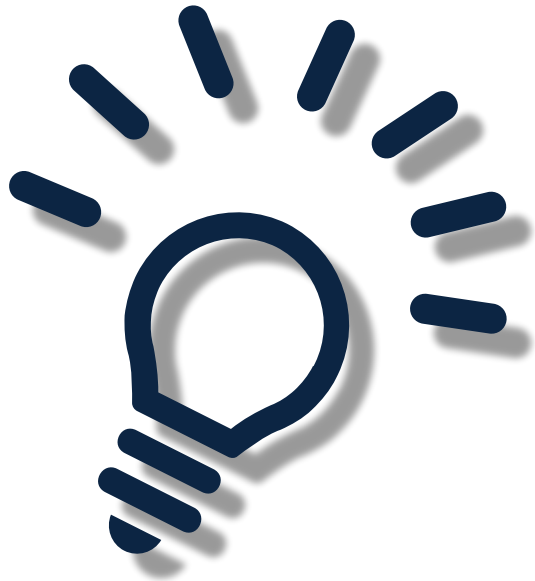
Strategies for focus area 1:

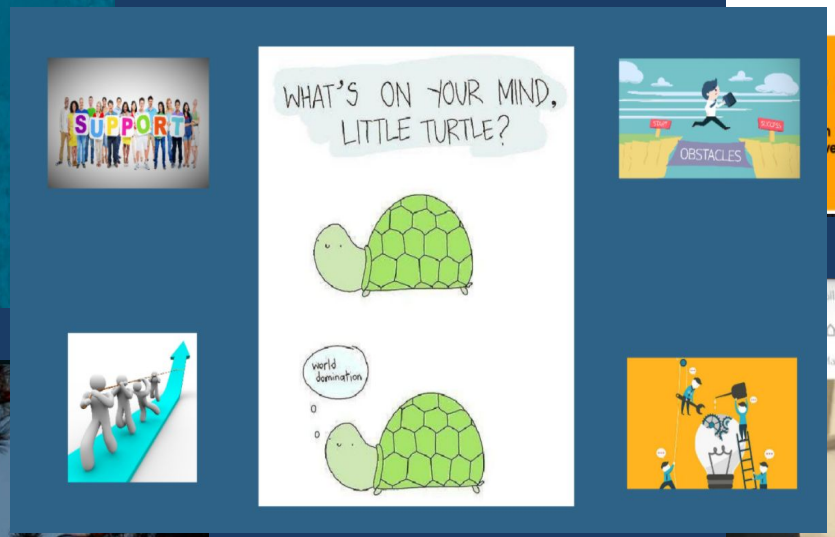
- Changing Culture and Beliefs
- Doing Things Differently
- Focusing on Relationships
- Creating a sense of community
- Creating Spaces and Opportunities for Collaboration
- Facilitating Grade Level Connections and Networking
- Investing in Technology

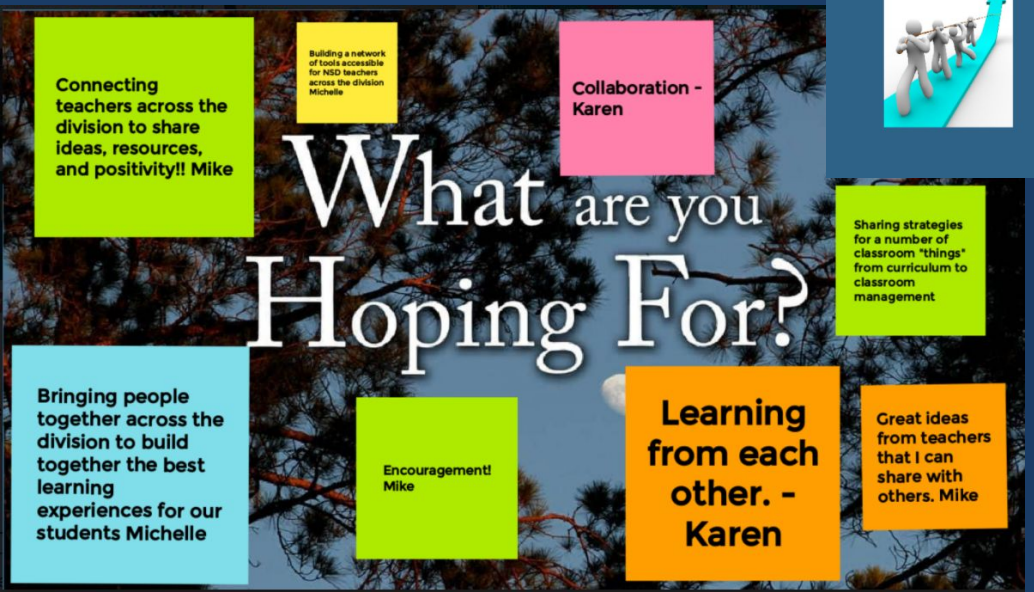
Changing Culture and Beliefs, Doing Things Differently, and Focusing on Relationships

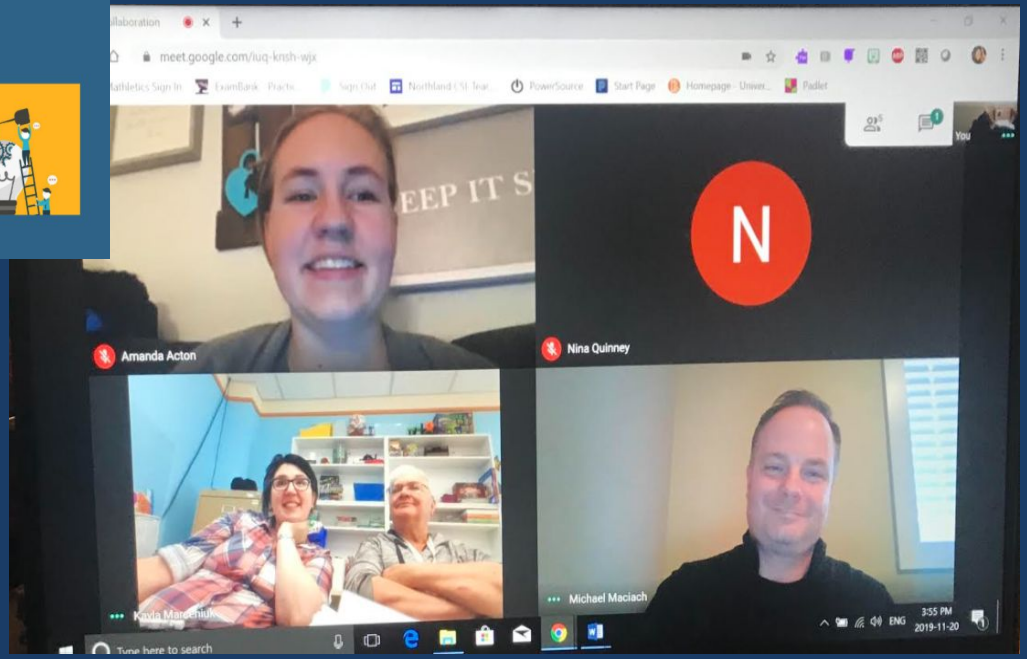
- Alternatives to face to face meetings
- Becoming comfortable with the technology
- Facilitating collaboration in an online environment
- Building connections across the division
- Working collectively regardless of distance
- Relational trust whether online or face to face



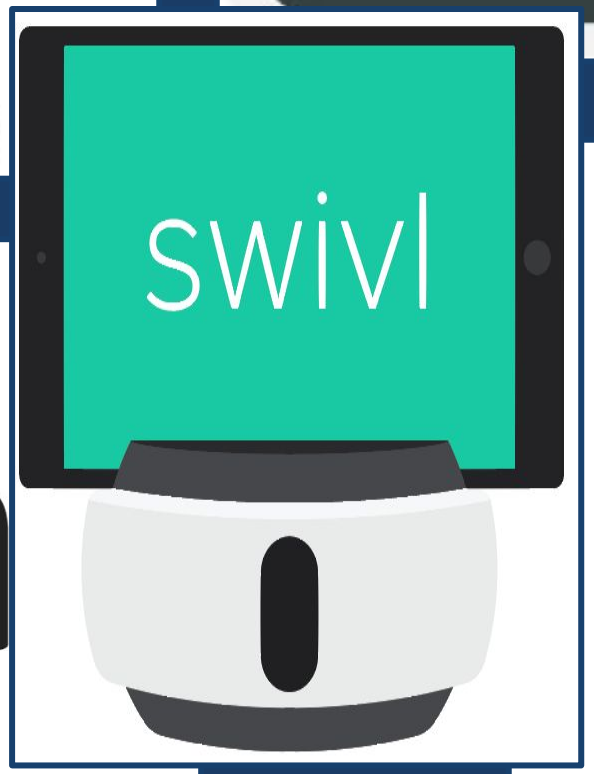
Grade Level Networking





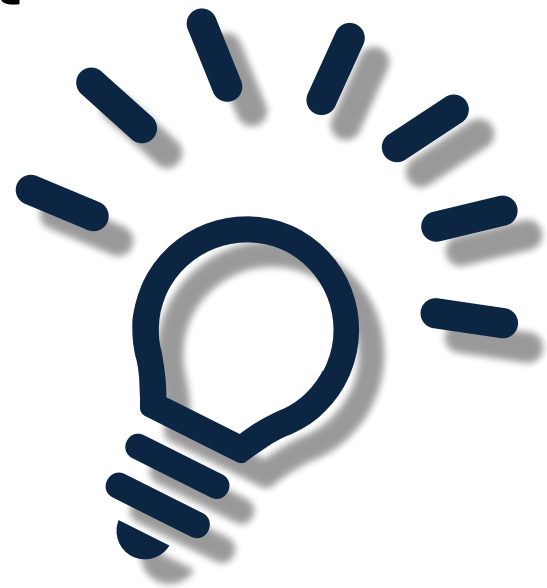


Investing in Technology



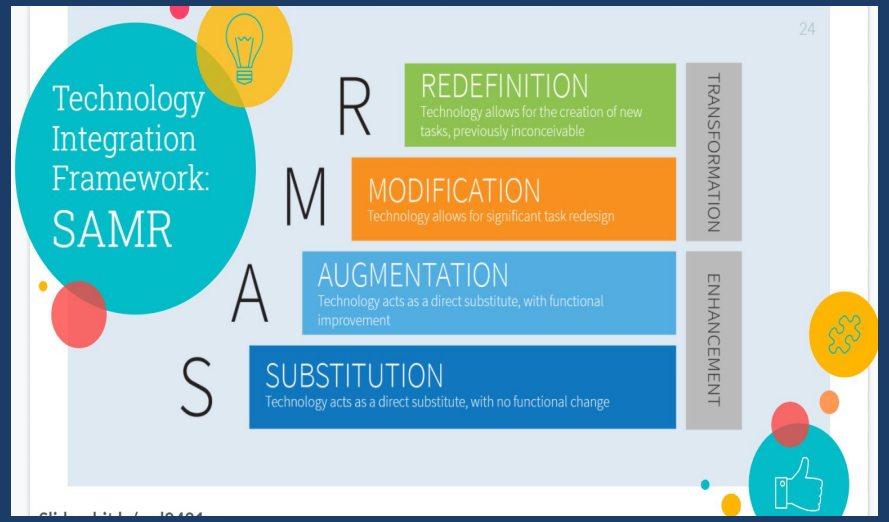
Strategies for focus area 2:

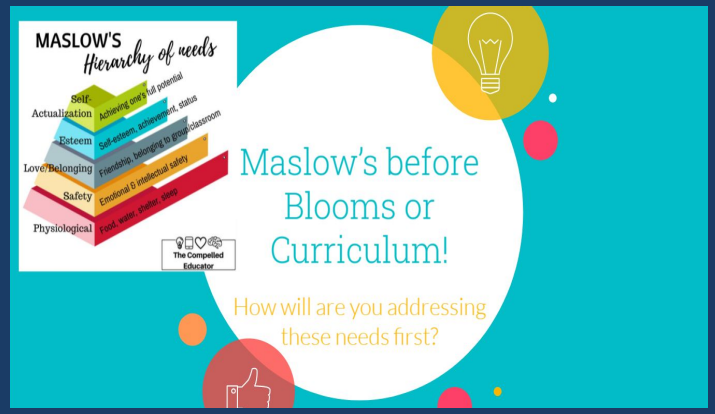
- Changing Culture and Beliefs
- Building Capacity Within
- Teacher Technology Leader Cohorts
- Division Wide Technology Professional Learning
- Professional Learning Online Portal
- Partnering for Teacher Technology Skill Development
- Engaging Students with Technology and Through Technology

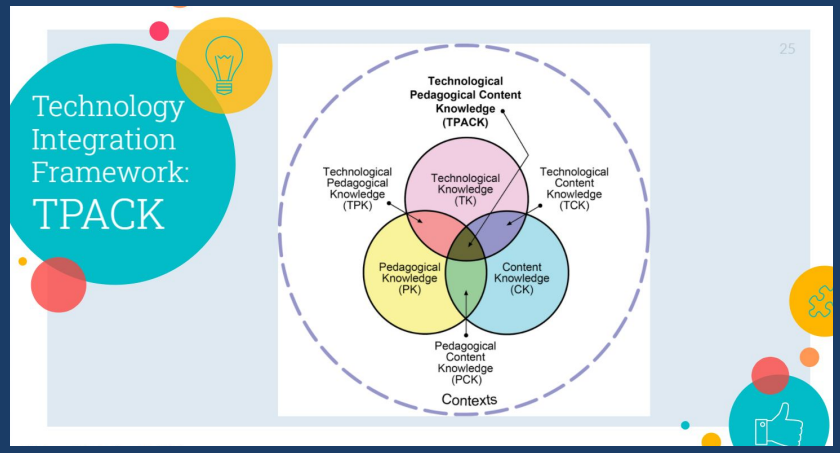


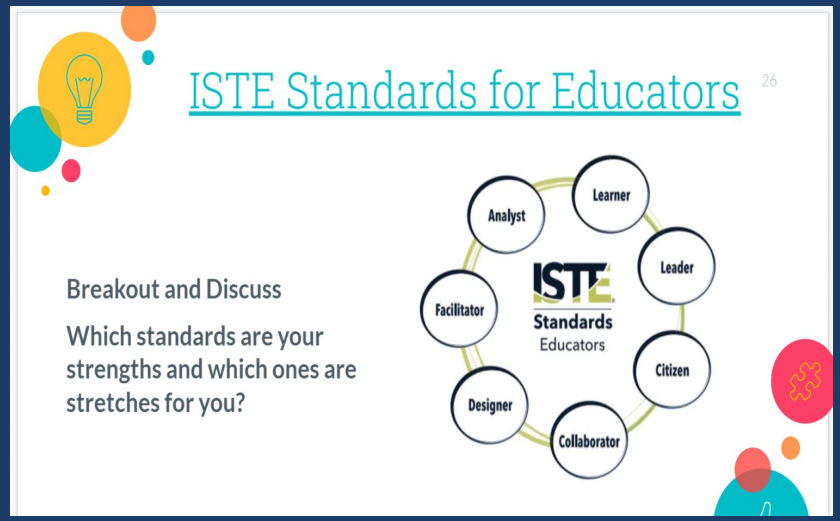
Teacher Technology Leader Cohort

Teacher Technology Leader Cohort

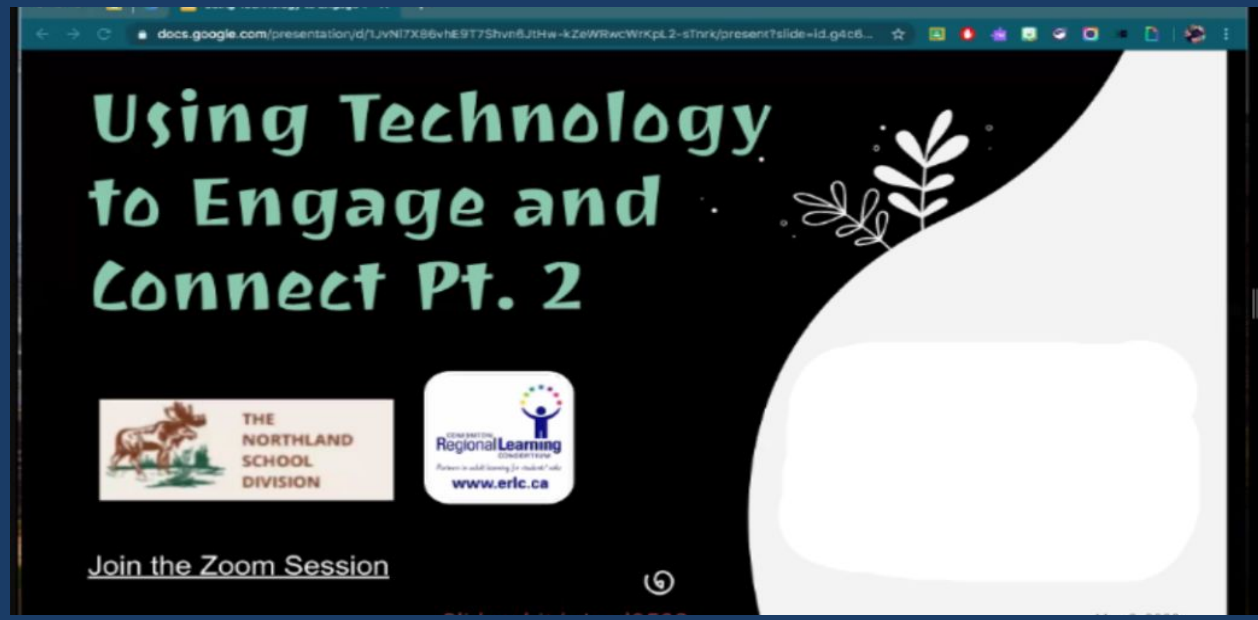




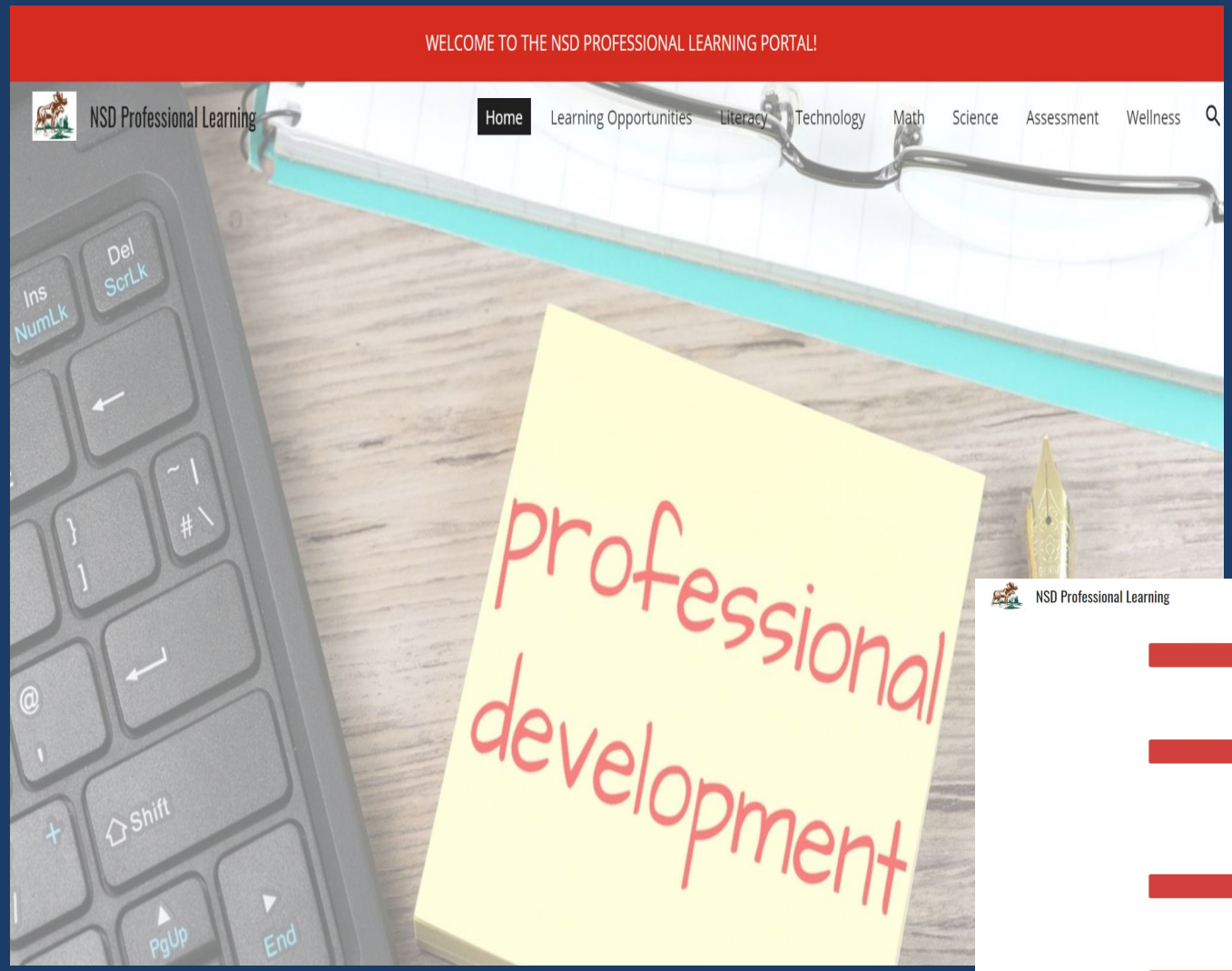


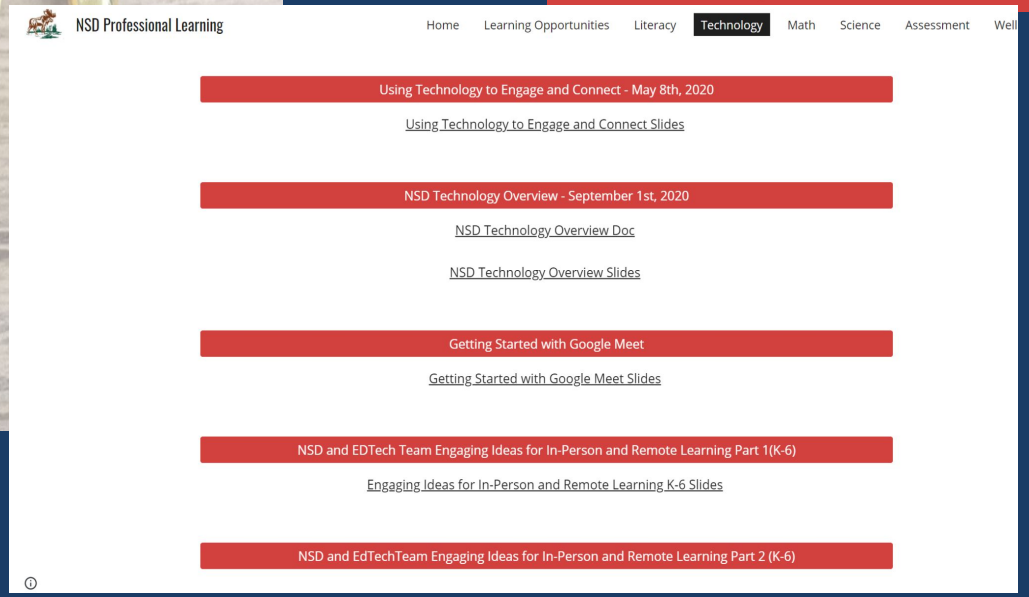


Division Wide Technology Professional Learning

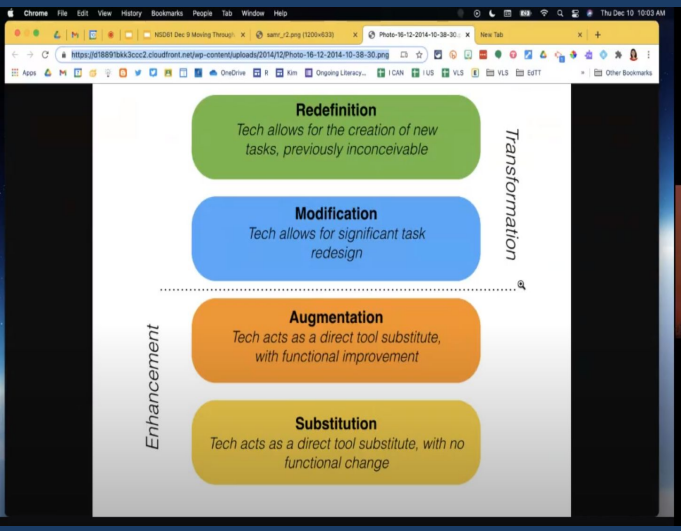


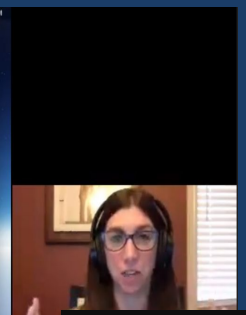
Professional Learning Online Portal

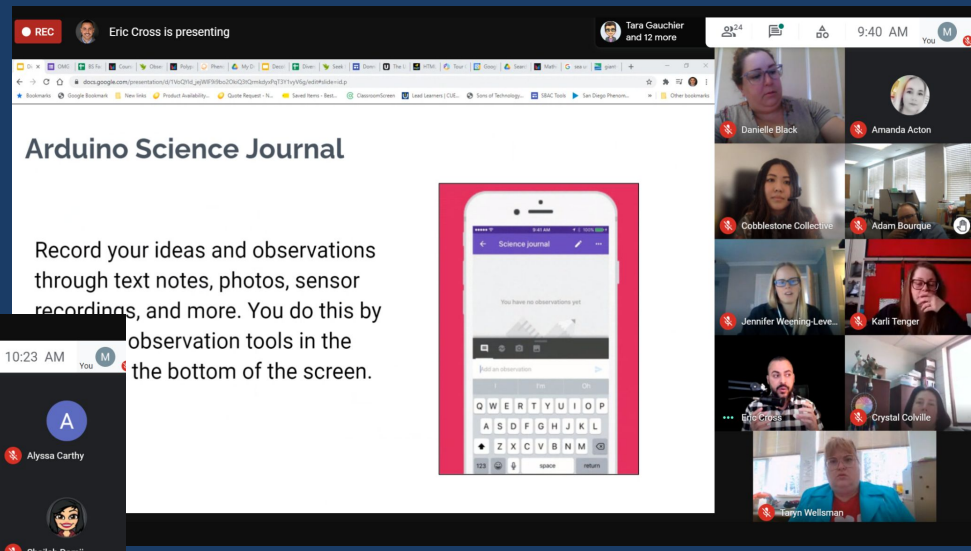


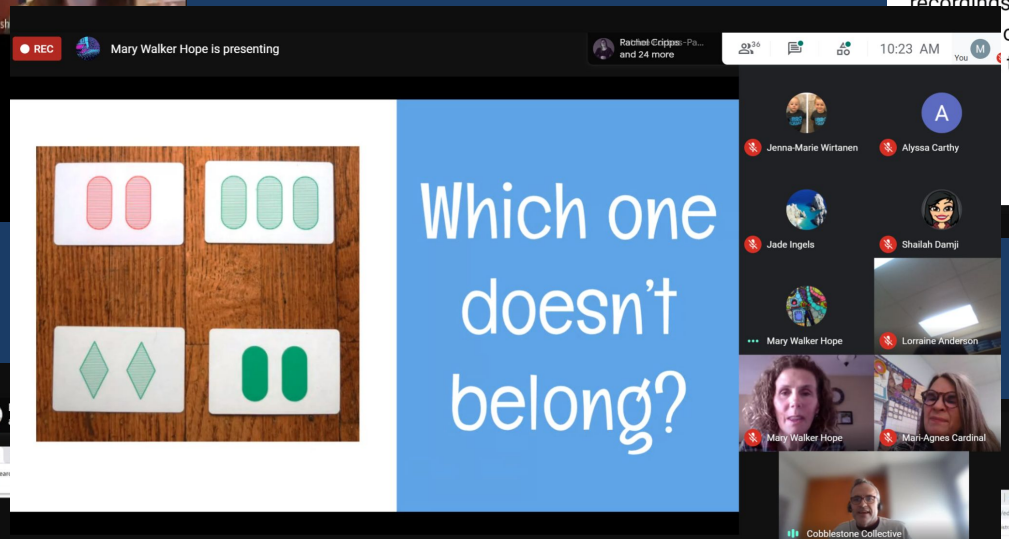


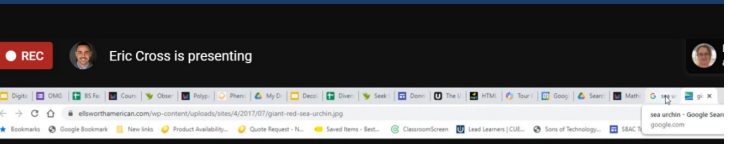
Partnerships for Teacher Technology Skill Development

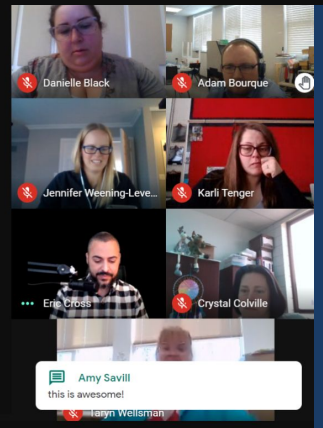


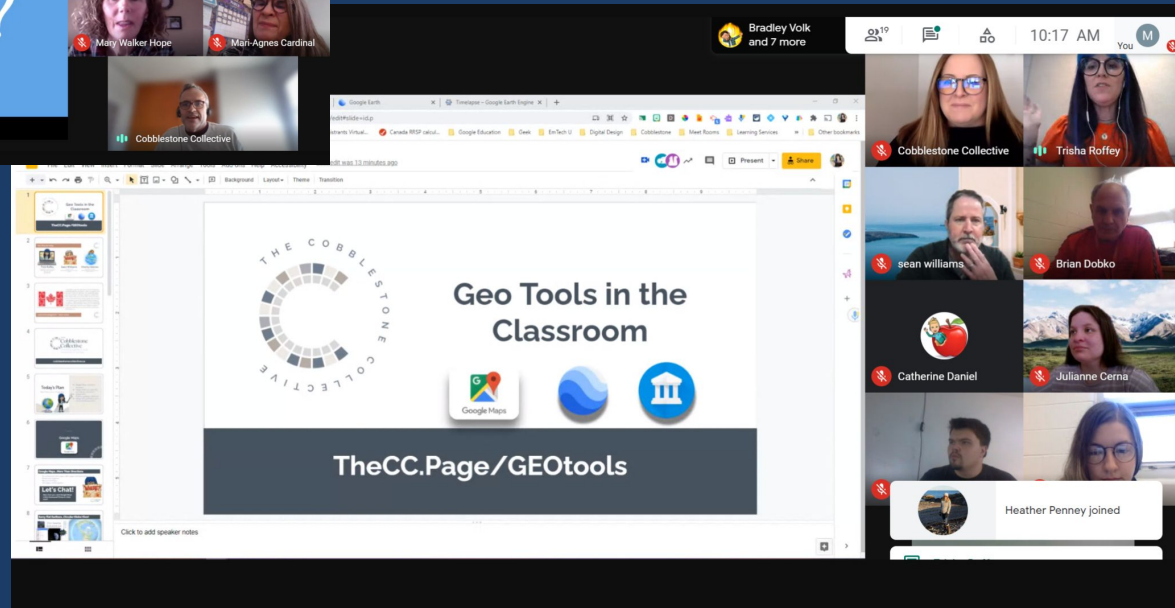




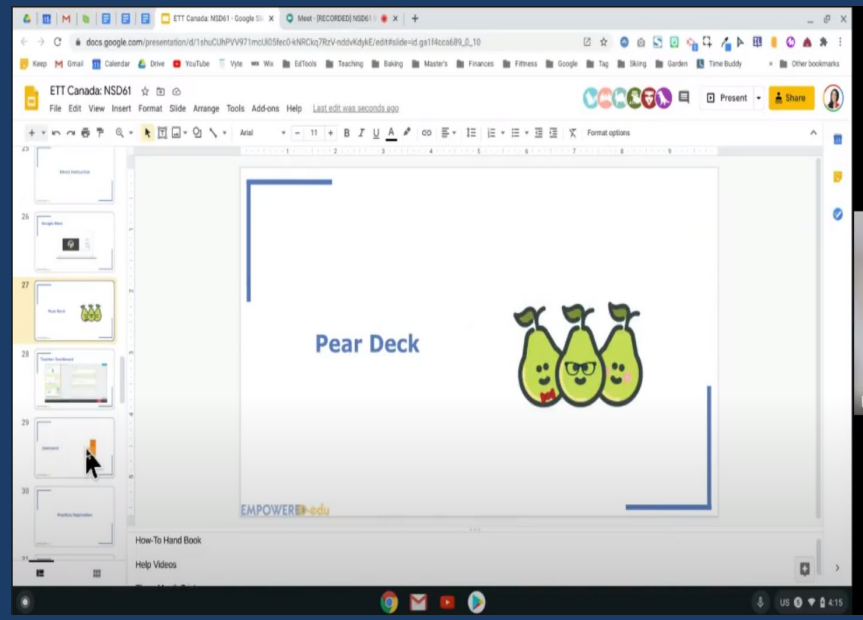


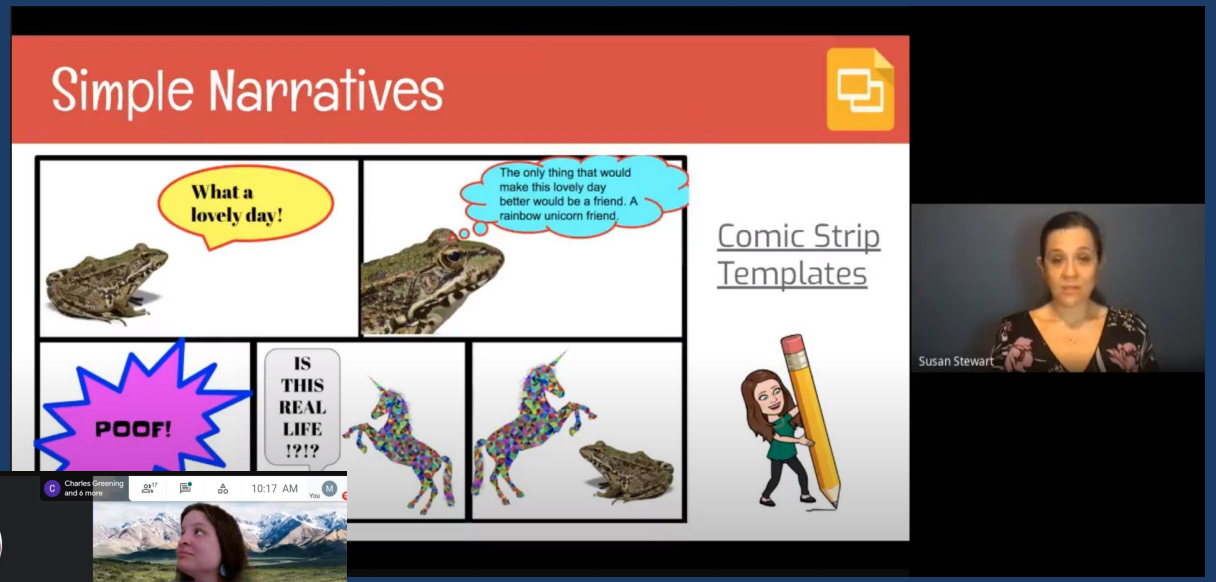


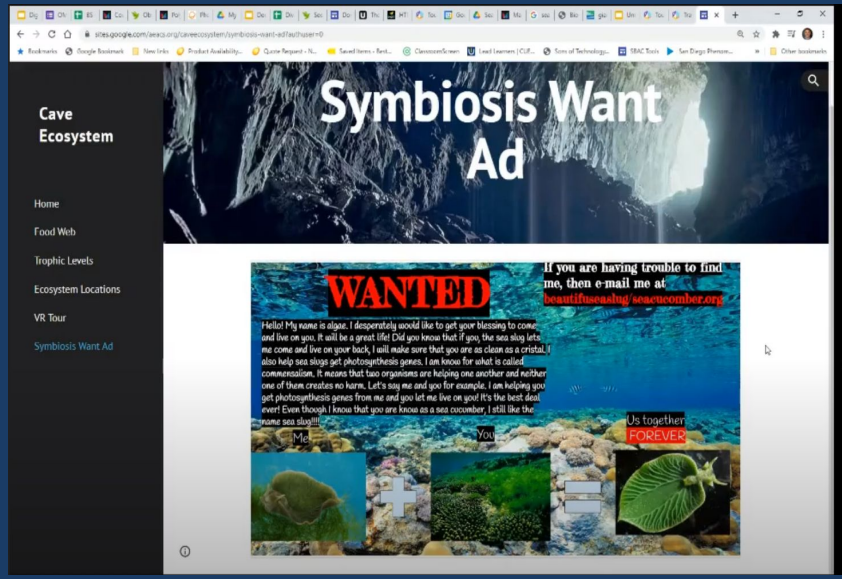


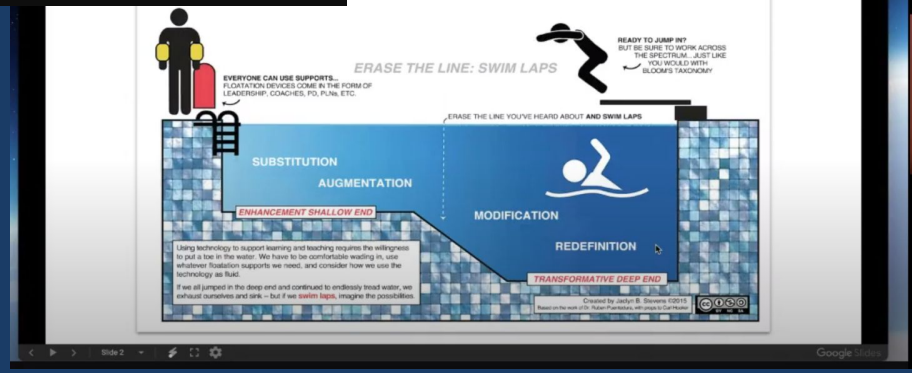


Partnerships for Teacher Technology Skill Development

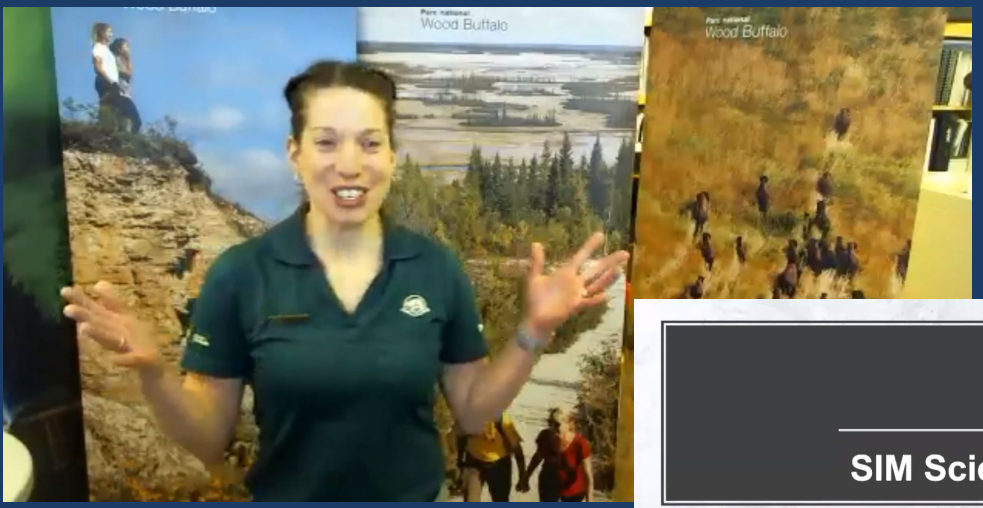


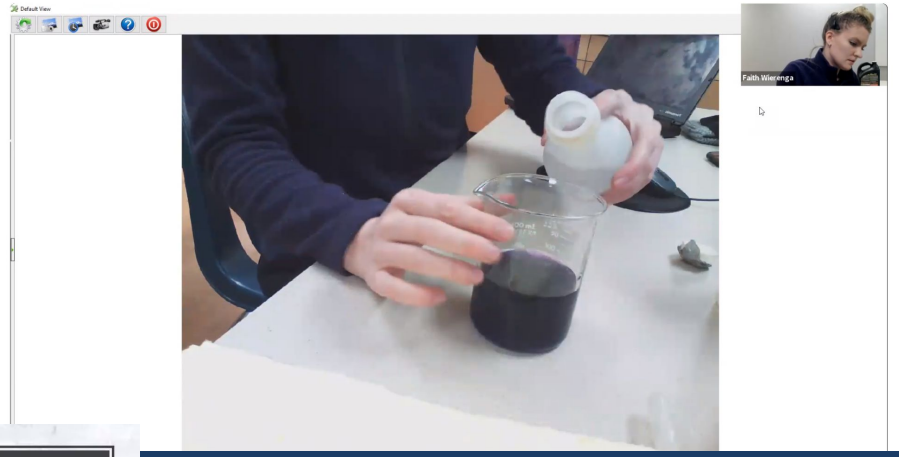






Engaging Students





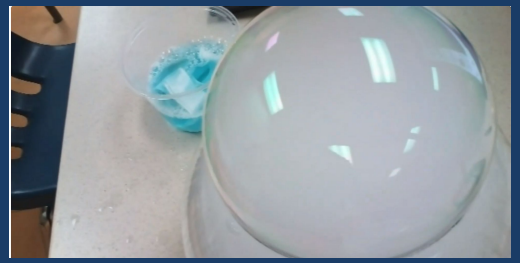
Welcome to

SIM Science Week: The Science of Winter

Presented by:

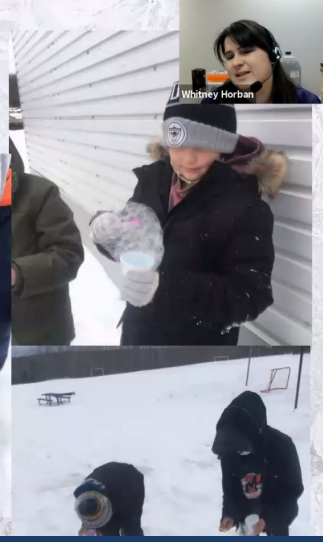
TELUS WORLD of SCIENCE Edmonton

SCIENCE IN MOTION



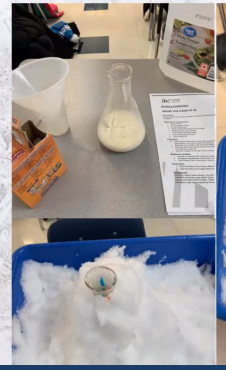
Engaging Students

Ice Bubbles

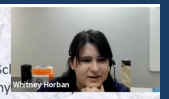


Snow Volcano

St. Theresa School:
Grade 2/3 G
Ms. O'Connor

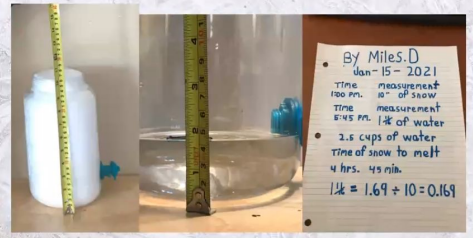


Elizabeth Sc
Noseworthy

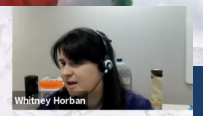


How Much Water Is In Snow?

Conklin Community School: Ms. Dirsa



Grouard School: Miles Desjarlais



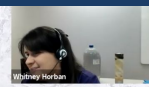
Cardboard Snowshoe Races

Calling Lake School: Grade 8, Ms. Young

Elizabeth School: Ms. O'Connor's Class

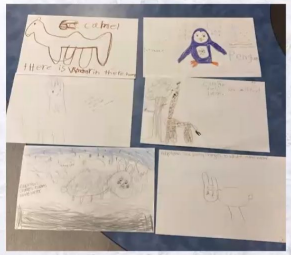
"50% of the class predicted more water in snow, 50% predicted

Snow Walk



Engaging Students

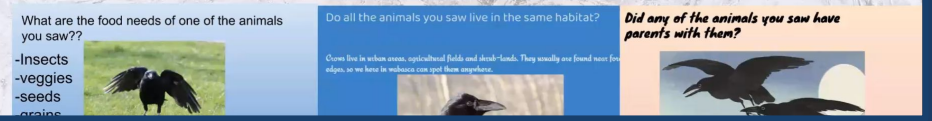
Animal Adaptations

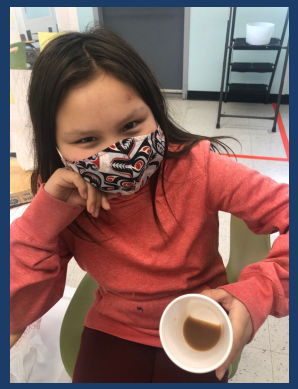


Conklin Community School: Ms. Dirsa's Class

St. Theresa School: Alarik Bouvier

St. Theresa School: Akili Merrier





Snow Walk

Grouard School: Mrs. Deering's K-3 Class

Kevin Toraville

"Using his sense of touch on his snow walk"

Olivia Calahasen

"Using her sense of sight to find ice around the

Koda Willier

"Using his sense of taste to explore his environment.

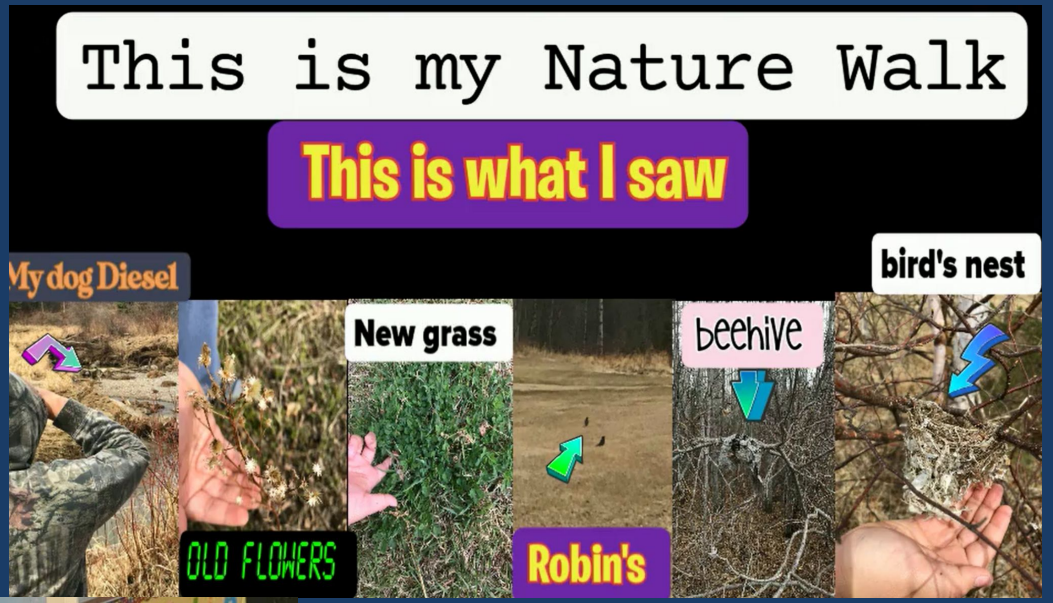
Hillview School: Sebastian and Nevaeh

Snow Volcano

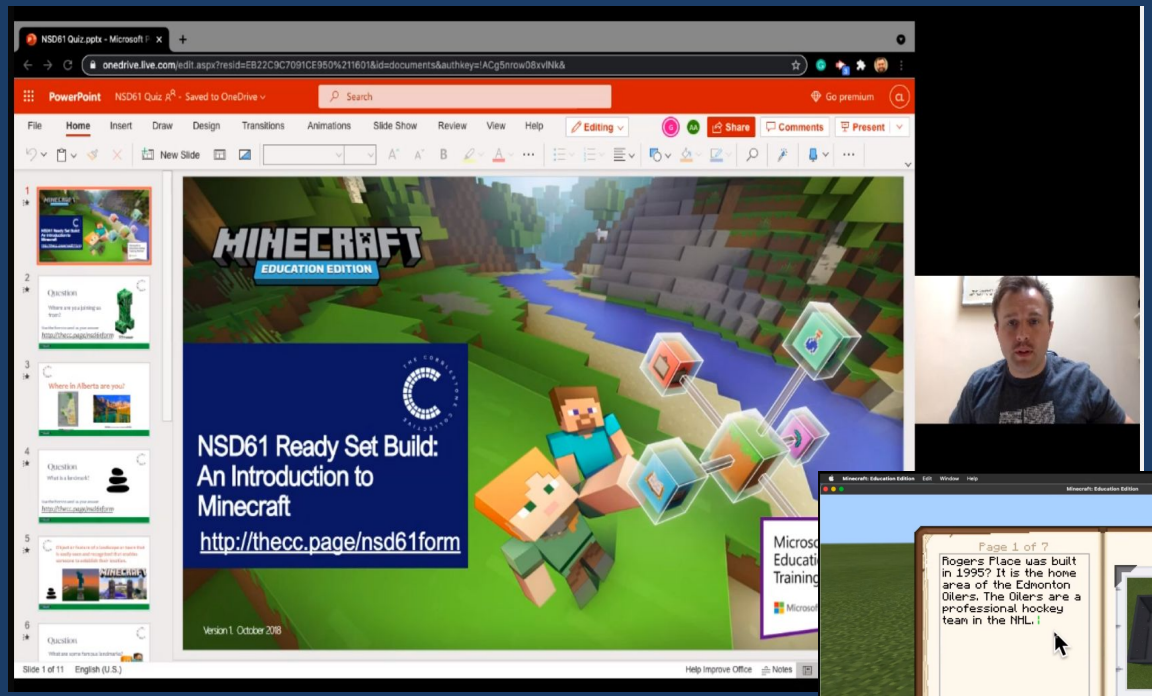
Conklin Community School: Ms. Dirsa's Class

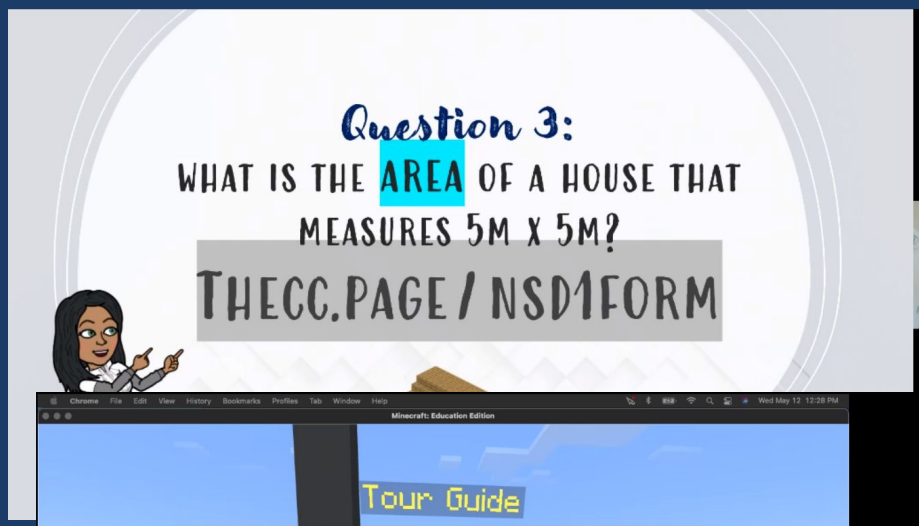
Calling Lake School:

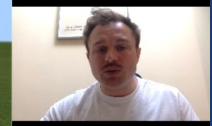
Engaging Students

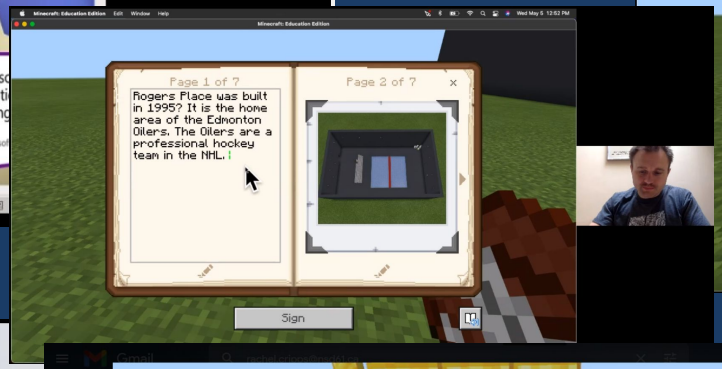


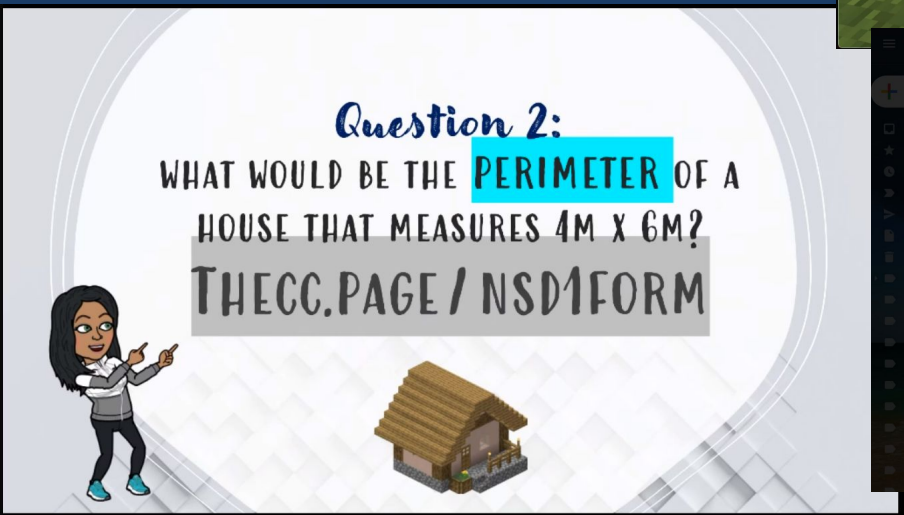
Engaging Students

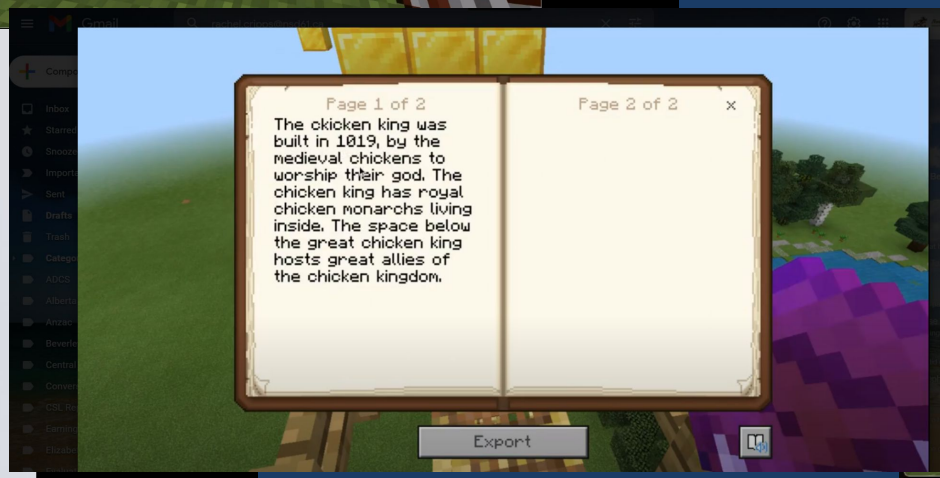


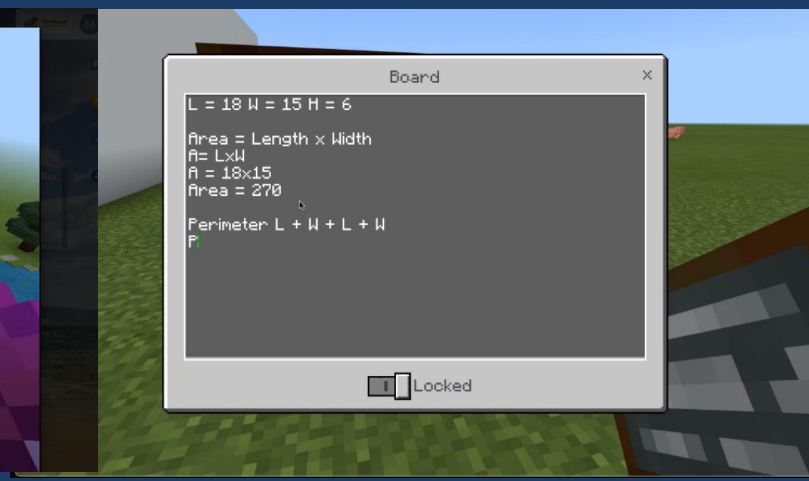




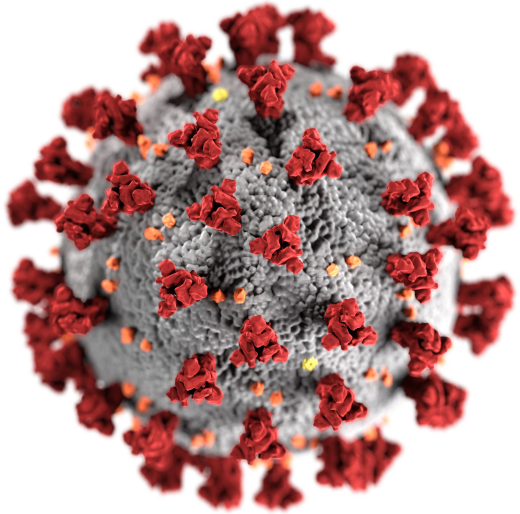








Covid 19

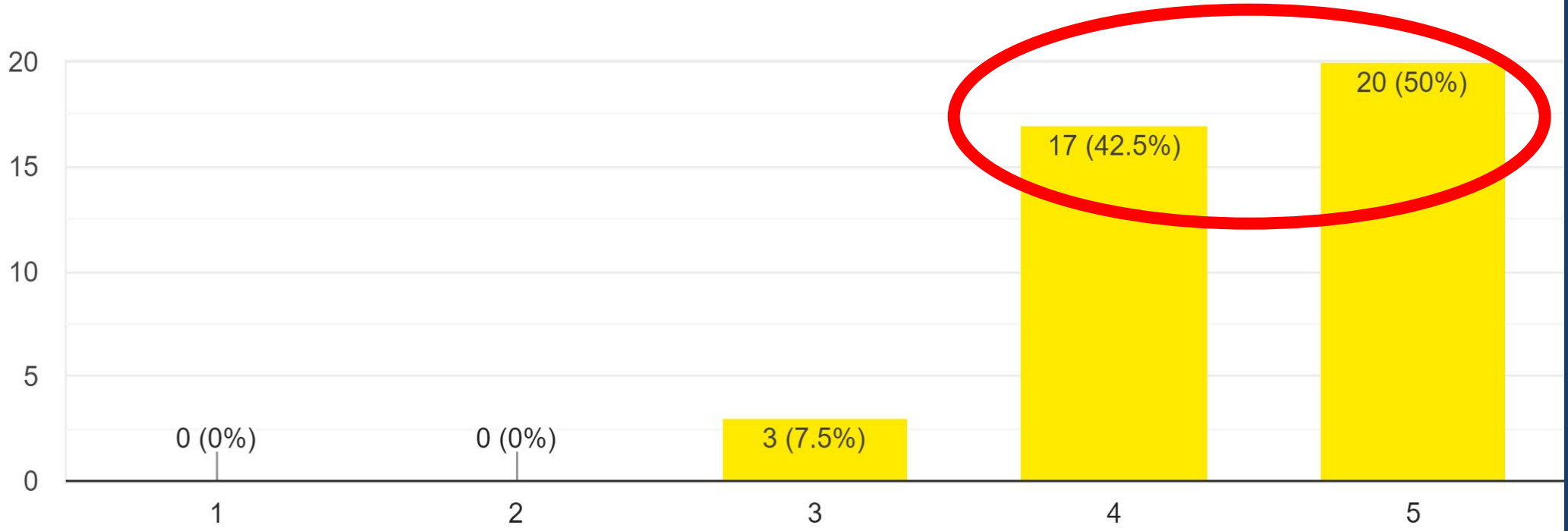


We were well on our way to using technology to engage and connect prior to Covid 19 but the pandemic moved us along faster.

Between March and June of 2020, Northland hosted and participated in close to 600 online professional learning opportunities to grow our technology skills even more!

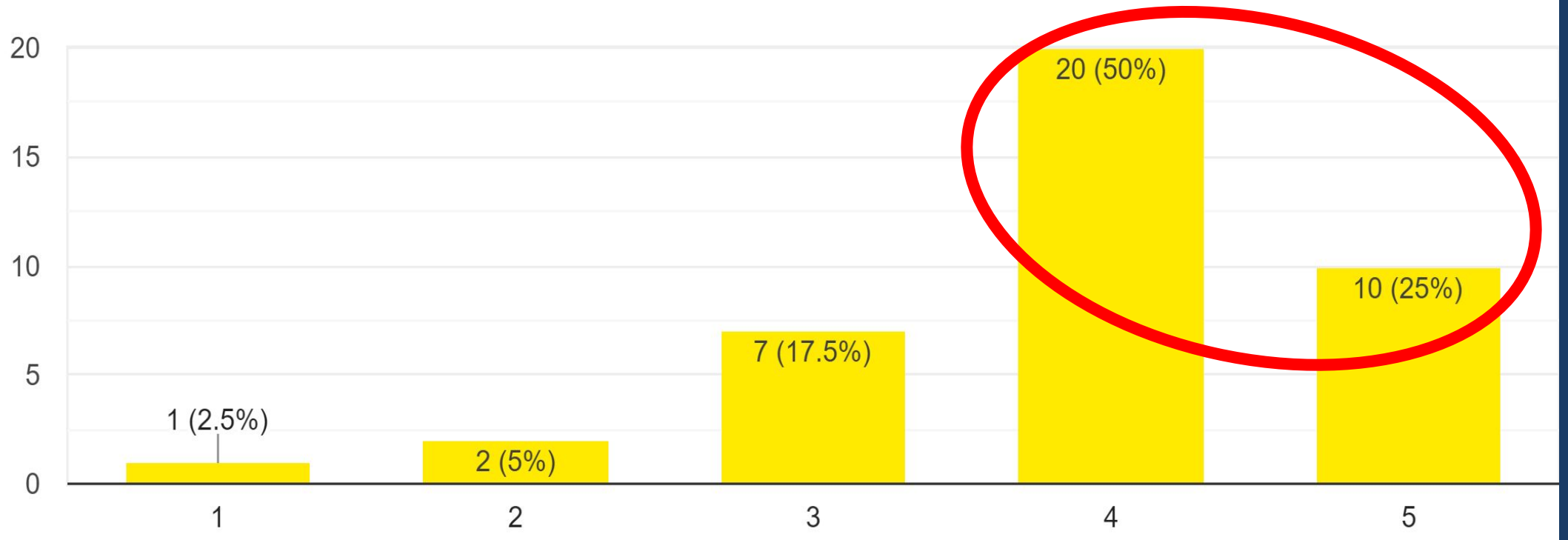
Rate your level of comfort with ONLINE professional development NOW.

40 responses



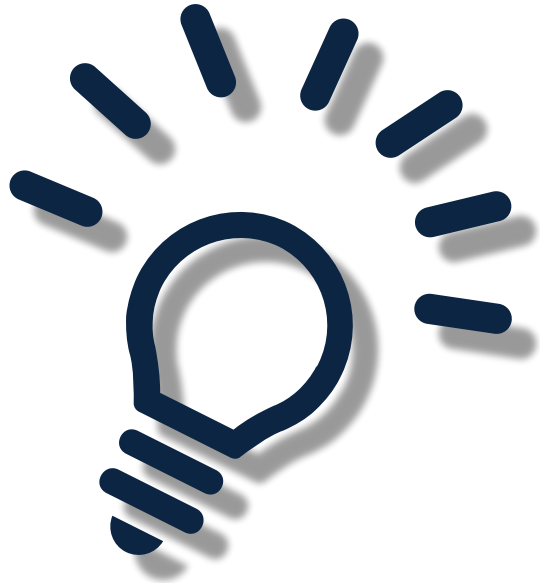
Rate your level of comfort using technology to teach remotely NOW.

40 responses



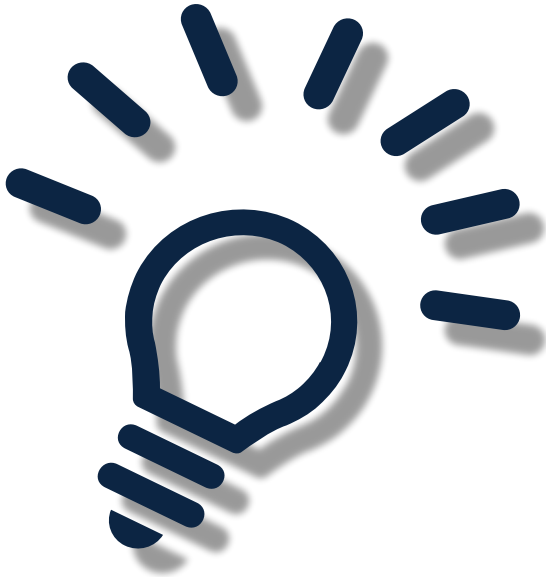
Where are we now?

- Distance between schools no longer a barrier
- Travel time is less and working more efficiently
- Connecting more often and more meaningfully
- Endless possibilities for how/when we work together
- Individuals no longer feel isolated and alone
- Relationships and networks of support beyond school/community boundaries



Where are we now?

- Teachers have the capacity to engage students with technology
- Technology plays a seamless role in enhancing and elevating learning
- Partnerships through technology have created deeper learning experiences for students
- Collaboration between classrooms has created opportunities for improved student learning
- Teacher professional practice has improved
- The knowledge building comes from inside - our teachers have the capacity and collective efficacy to support and model for each other



Thanks for attending this NSD Professional Learning Day!

March 12th Professional Learning Day

Home | Session #1 | Session #2 | Session #3 | Teacher Talks | Meet and Eat | Discussion Board | Session Recordings

Professional Learning Day

Connecting the Dots with Technology: Creating Community and Continuity in the Classroom

NORTHLAND SCHOOL DIVISION NO.61

8:30-9:00

Opening Remarks

Click here to join!

Teacher Talks

11:30-12:00 and 12:30-1:00

(Sessions Repeat)

👉 Reading the Room and Building Bonds: Strategies and Tools to Engage Online learners - Hosted by Taryn Wellsman

Click here to join!

👉 Elementary Digital Tools for ELA and Math: Two Teachers Share Their Successes - Hosted by Karli Tenger and Rachel Cripps

Click here to join!

👉 Building Community in an Online Learning Environment: What We Have Learned - Hosted by Aiden Grimes, Tara Johnston, and Bev Barca

Click here to join!

👉 Maintaining Continuity During a Pandemic for Principals: Communication, Teaching, and Learning - Hosted by Mark Burke

Click here to join!

👉 Two Teachers - Google Classroom - Teaching Synchronously and Asynchronously to Create Harmony and Engagement- Hosted by Leo West, Sarah DeGiacomo and Rebecca Ning

Click here to join!

👉 Be Creative! Be Flexible! Look for Success! Teachers Sharing Experiences of Creativity and Success in a Covid World: A Facilitated Discussion - Hosted by Lucas Whittle

Click here to join!

👉 Game Based Learning Using Technology Tools - Hosted by Adam Bourque

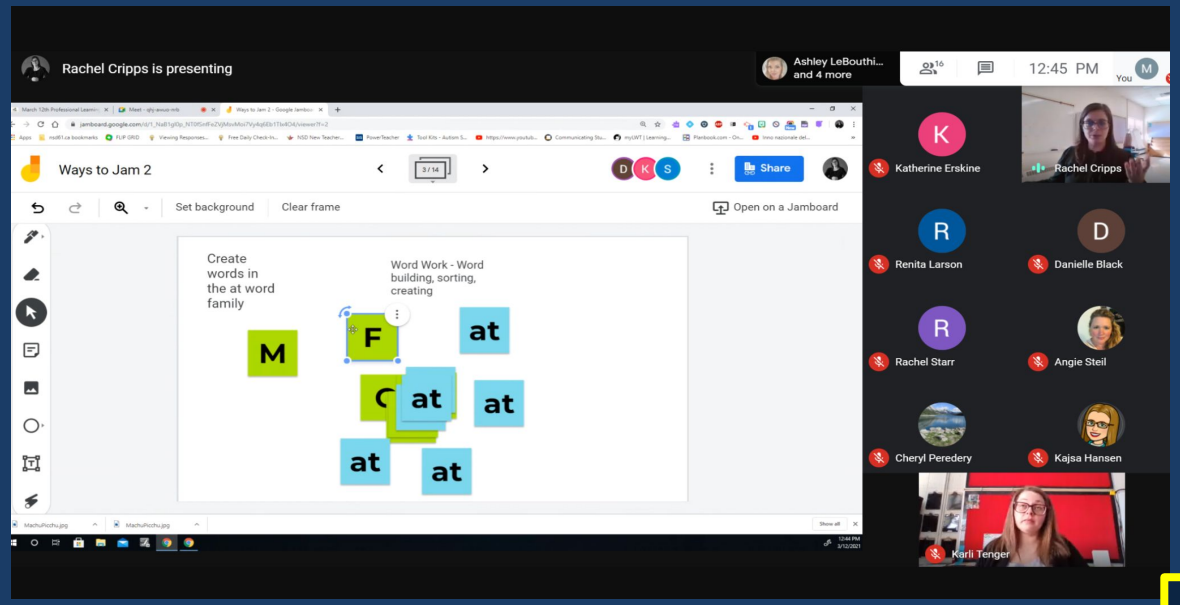
Click here to join!

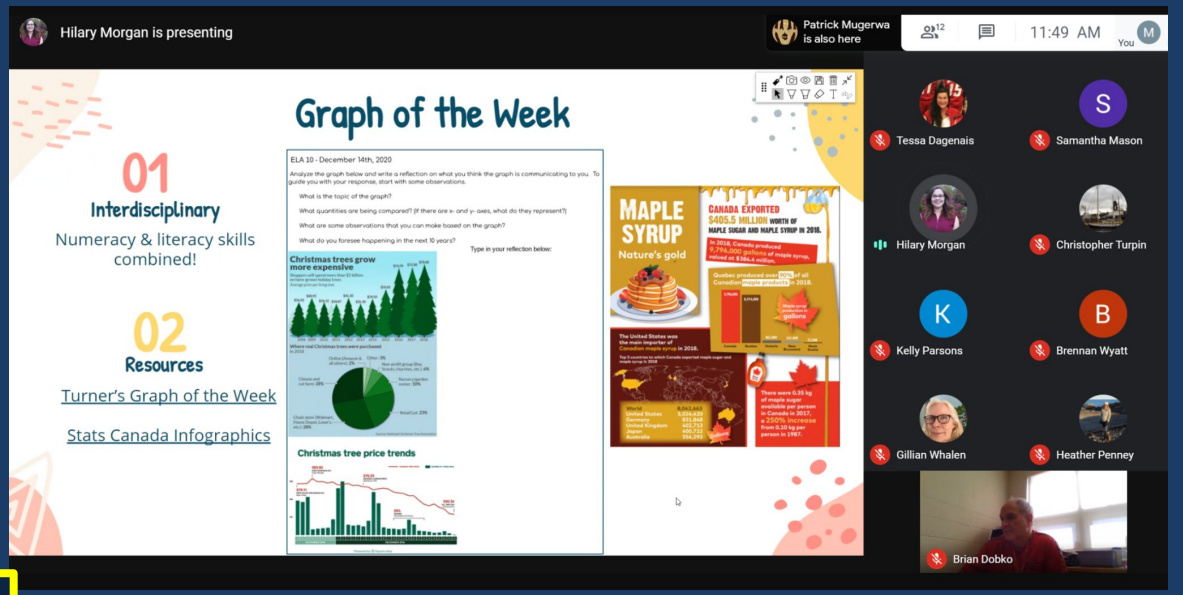
👉 Building a Virtual Classroom with Bitmoji - Hosted by Miranda Goldsworthy

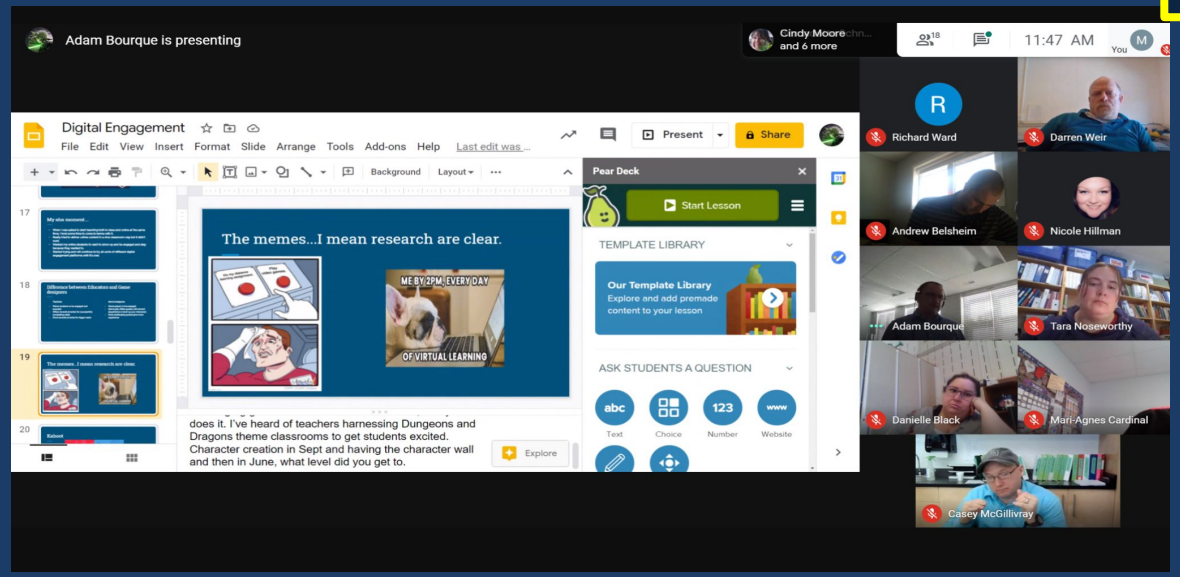
Click here to join!

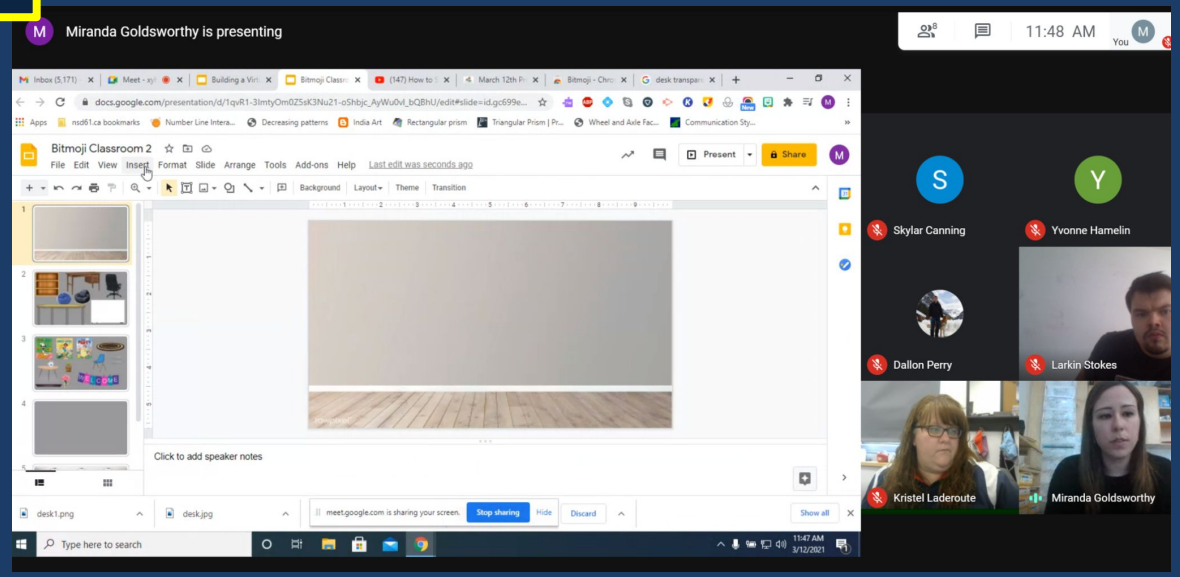
👉 Creative Writing in a COVID-Friendly Class: Grade 7-12 ELA Ideas Using Physical Writer's Notebooks As Well As Digital Platforms! - Hosted by Hilary Morgan

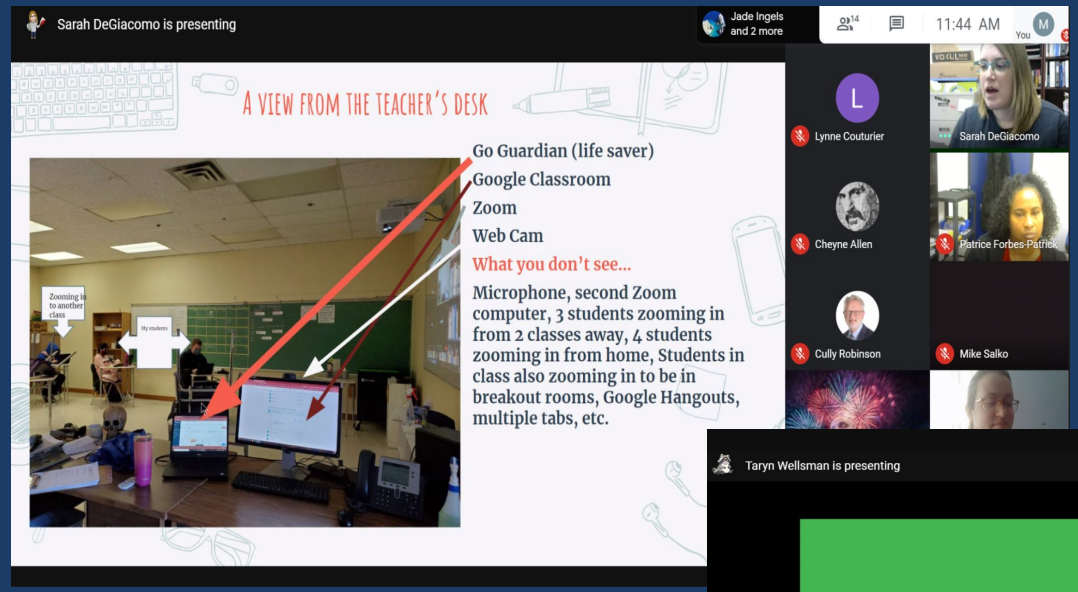
Click here to join!

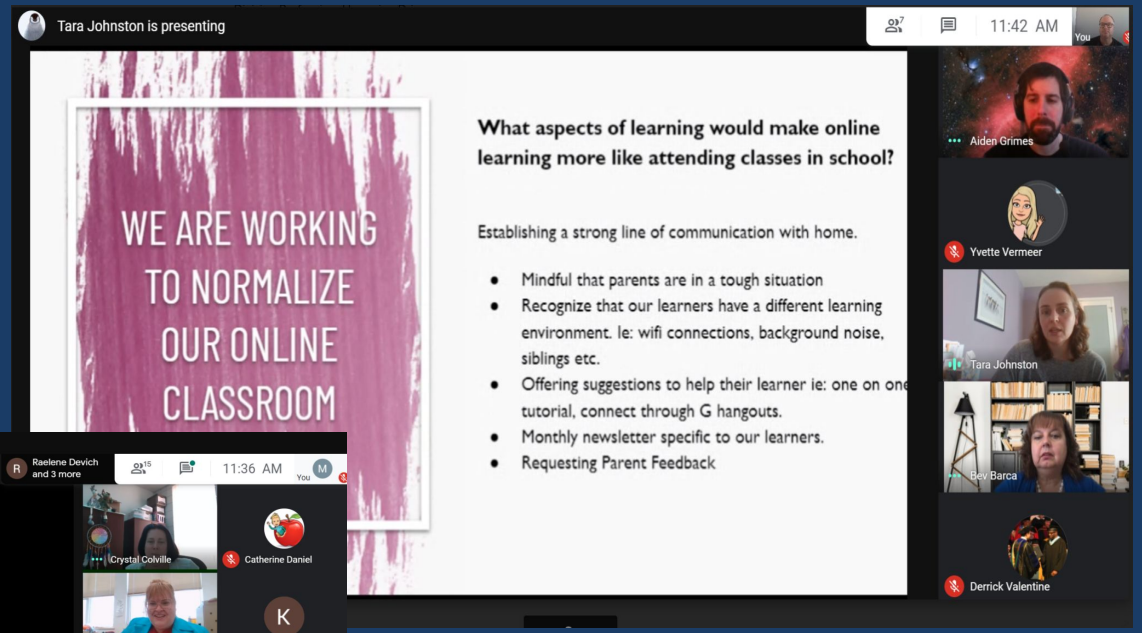

Rachel Cripps is presenting
Ashley LeBouthi... and 4 more
12:45 PM
Ways to Jam 2
Set background
Clear frame
Open on a Jamboard
Create words in the at word family
Word Work - Word building, sorting, creating
M
F
at
Katherine Erskine
Rachel Cripps
Renita Larson
Danielle Black
Rachel Starr
Angie Steil
Cheryl Peredery
Kajsa Hansen
Karli Tenger

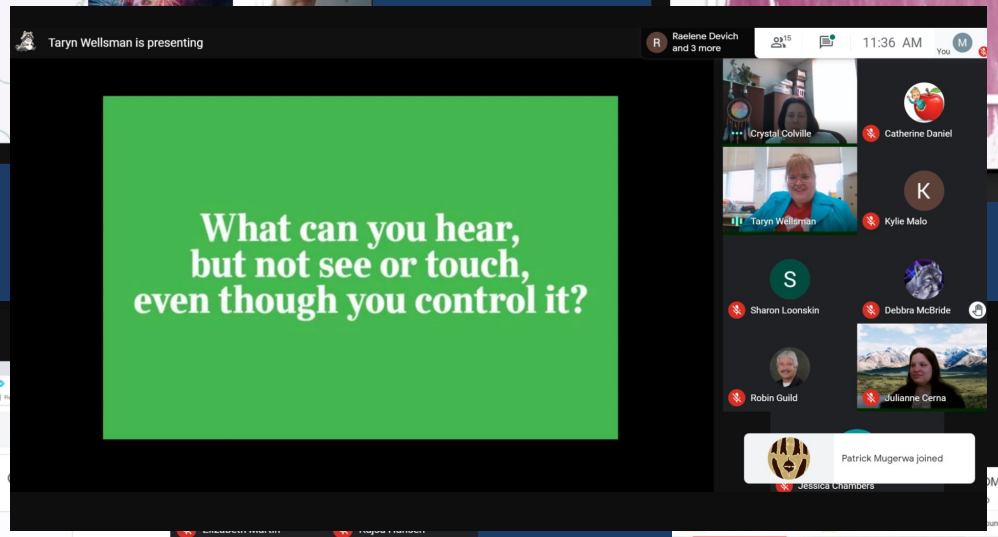

Hilary Morgan is presenting
Patrick Mugerwa is also here
11:49 AM
Graph of the Week
01
Interdisciplinary
Numeracy & literacy skills combined!
02
Resources
Turner's Graph of the Week
Stats Canada Infographics
ELA 10 - December 14th, 2020
Christmas trees grow more expensive
Christmas tree price trends
MAPLE SYRUP
Nature's gold
CANADA EXPORTED
$485.5 MILLION WORTH OF MAPLE SUGAR AND MAPLE SYRUP IN 2018.
Tessa Dagenais
Samantha Mason
Hilary Morgan
Christopher Turpin
Kelly Parsons
Brennan Wyatt
Gillian Whalen
Heather Penney
Brian Dobko

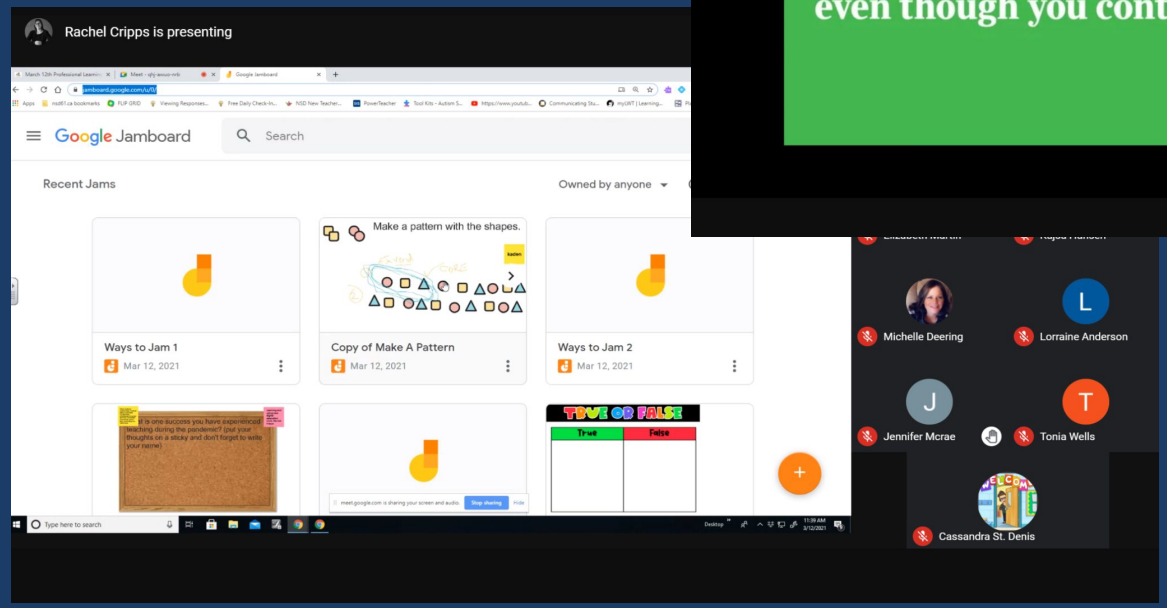

Adam Bourque is presenting
Cindy Moore and 6 more
11:47 AM
Digital Engagement
The memes...I mean research are clear.
ME BY 2PM, EVERY DAY
OF VIRTUAL LEARNING
does it. I've heard of teachers harnessing Dungeons and Dragons theme classrooms to get students excited. Character creation in Sept and having the character wall and then in June, what level did you get to.
Pear Deck
Start Lesson
TEMPLATE LIBRARY
Our Template Library
Explore and add premade content to your lesson
ASK STUDENTS A QUESTION
Richard Ward
Darren Weir
Andrew Belsheim
Nicole Hillman
Adam Bourque
Tara Noseworthy
Danielle Black
Mari-Agnes Cardinal
Casey McGillivray

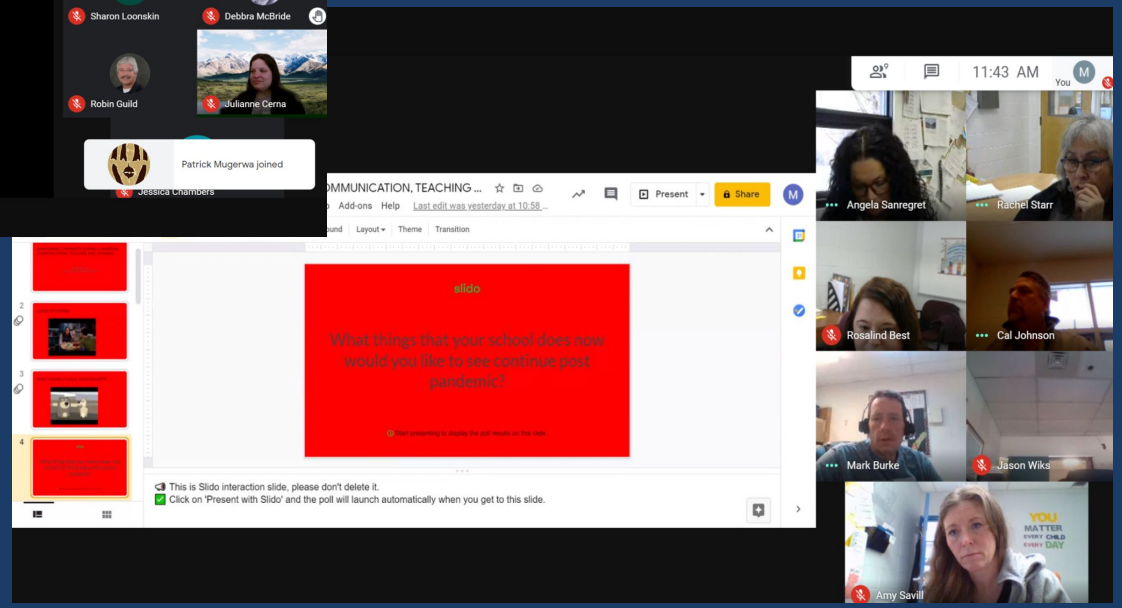

Miranda Goldsworthy is presenting
11:48 AM
Bitmoji Classroom 2
Click to add speaker notes
Skylar Canning
Yvonne Hamelin
Dallon Perry
Larkin Stokes
Kristel Laderoute
Miranda Goldsworthy


Sarah DeGiacomo is presenting
A VIEW FROM THE TEACHER'S DESK
Go Guardian (life saver)
Google Classroom
Zoom
Web Cam
What you don't see...
Microphone, second Zoom computer, 3 students zooming in from 2 classes away, 4 students zooming in from home, Students in class also zooming in to be in breakout rooms, Google Hangouts, multiple tabs, etc.
Jade Ingels and 2 more
11:44 AM
Lynne Couturier
Sarah DeGiacomo
Cheyne Allen
Patrice Forbes-Patrick
Cully Robinson
Mike Salko


Tara Johnston is presenting
11:42 AM
WE ARE WORKING TO NORMALIZE OUR ONLINE CLASSROOM
What aspects of learning would make online learning more like attending classes in school?
Establishing a strong line of communication with home.
Mindful that parents are in a tough situation
Recognize that our learners have a different learning environment. Ie: wifi connections, background noise, siblings etc.
Offering suggestions to help their learner ie: one on one tutorial, connect through G hangouts.
Monthly newsletter specific to our learners.
Requesting Parent Feedback
Aiden Grimes
Yvette Vermeer
Tara Johnston
Bev Barca
Derrick Valentine

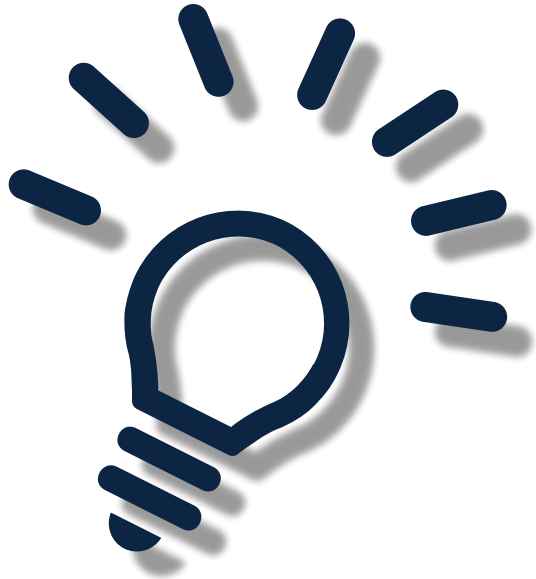

Taryn Wellsman is presenting
What can you hear, but not see or touch, even though you control it?
Raelene Devich and 3 more
11:36 AM
Crystal Colville
Catherine Daniel
Taryn Wellsman
Kylie Malo
Sharon Loonskin
Debbra McBride
Robin Guild
Julianne Cerna
Patrick Mugerwa joined
Jessica Chambers


Rachel Cripps is presenting
Google Jamboard
Search
Recent Jams
Owned by anyone
Ways to Jam 1
Mar 12, 2021
Make a pattern with the shapes.
Copy of Make A Pattern
Mar 12, 2021
Ways to Jam 2
Mar 12, 2021
TRUE OR FALSE
True
False
Michelle Deering
Lorraine Anderson
Jennifer Mcrae
Tonia Wells
Cassandra St. Denis


slido
What things that your school does now would you like to see continue post pandemic?
This is Slido interaction slide, please don't delete it.
Click on 'Present with Slido' and the poll will launch automatically when you get to this slide.
11:43 AM
Angela Sanregret
Rachel Starr
Rosalind Best
Cal Johnson
Mark Burke
Jason Wiks
Amy Savill

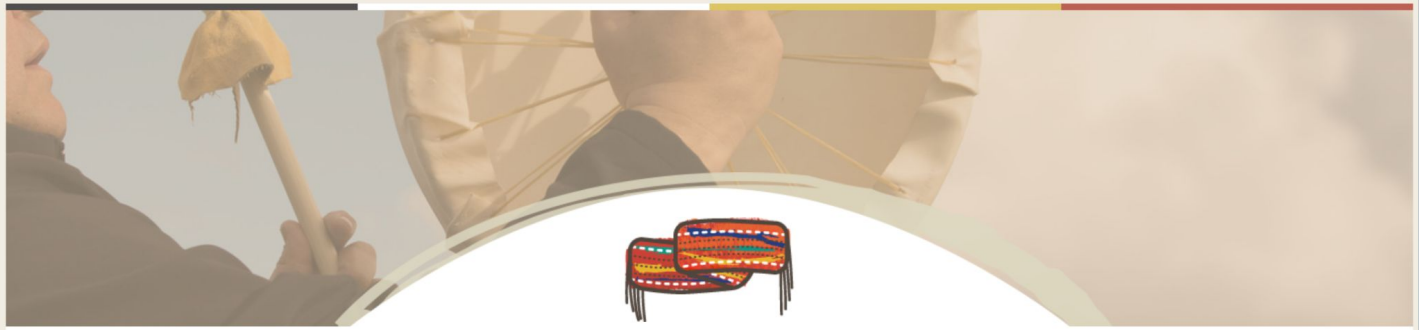
What's next?

- Coordinated division wide professional learning communities
- High School coordinated schedules/collaboration
- Remote coaching/feedback technology for teachers
- Co-teaching opportunities through technology
- Using technology to share and collaborate with other divisions
- Online learning that includes incorporating Indigenous language, culture, and local knowledge into the curriculum - Northland Online School



Online School Announcement

SLIDESMANIA.COM



DIVISION NEWS

About Us

- History
- Map of Northland School Division
- Partnerships +
- Executive Team
- Calendar
- Reports
- **Division News**
- Achimowin News Flash
- Staff Directory
- Contact Us

NSD launching an online school for the 2021-2022 school year

POSTED ON JUNE 1

Tags: Division News

A new learning environment is going to give Northland School Division (NSD) students another avenue to accomplish academic success. NSD is pleased to announce that they will be operating an online school for the 2021-2022 school year. The online school will serve students in grades Kindergarten to Grade 9.

"During this challenging time due to COVID-19, we purposefully invested in leveraging the use of technology to support and improve the student learning experience," said Dr. Nancy Spencer-Poitras. "We have put ourselves in a position to offer this learning experience with the technology infrastructure upgrades we made and the skills NSD staff have acquired through division-sponsored professional learning. There's also demand for online learning that includes incorporating Indigenous language, culture, and local knowledge into the curriculum for the communities we serve. "We are excited to make this happen."

"This is an exciting day for Northland School Division families," said Robin Guild, Board Chair. "A student should have the ability to choose their own learning path. The online school provides another choice for NSD students in Kindergarten to Grade 9. As a Board, we have focused on improving communication with communities. Today's announcement is an example of what NSD is doing to achieve excellence in learning, leadership, and relationships."

The online school will utilize a whole school and personalized approach to learning where learners participate in inclusive and engaging online learning experiences. In this environment, student voice and choice will be encouraged and celebrated within a kind and caring community of learners.

"NSD students who participated in at-home/online learning this year received a quality learning experience," said Spencer-Poitras. "The online school will give NSD students the same quality learning experience as in-school learning. The incorporation of Indigenous language, culture, and local knowledge into the curriculum will further support a holistic program."

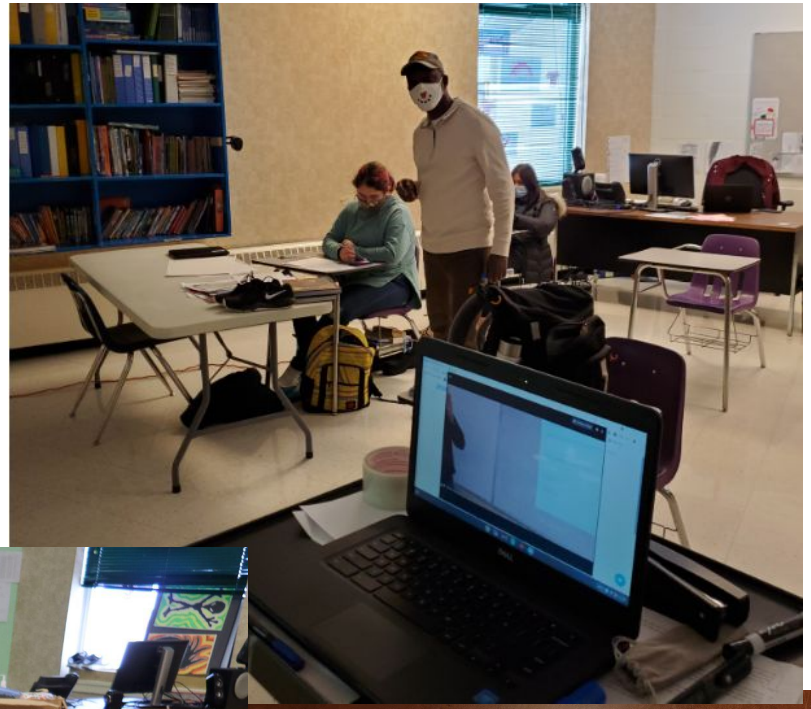
Registration details for the online school will be communicated in the coming weeks.

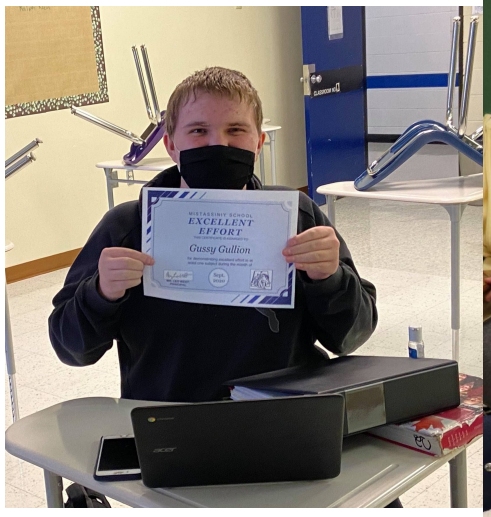
Mistassiniy in the time of Covid

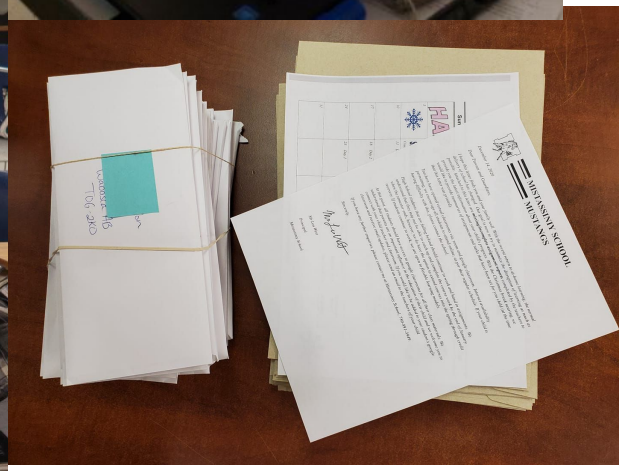
- From the Principal's perspective...
  - What did we do and why?
- Cohorted everything
  - Dine in lunch! Staggered yard time. Staggered release. PE/Shop/Food/Science Lab schedule
- A couple of new procedures...
  - New cleaning and sanitation regiment, one way hallways, wings separated, floor decals, floor stickers, infirmary, broken laminator, etc!
- New Tech -More webcam/microphones, personal microphones with speaker, doc cam, OWL and a variety of NSD Software for online learning

Mistassiniy in the time of Covid (cont)

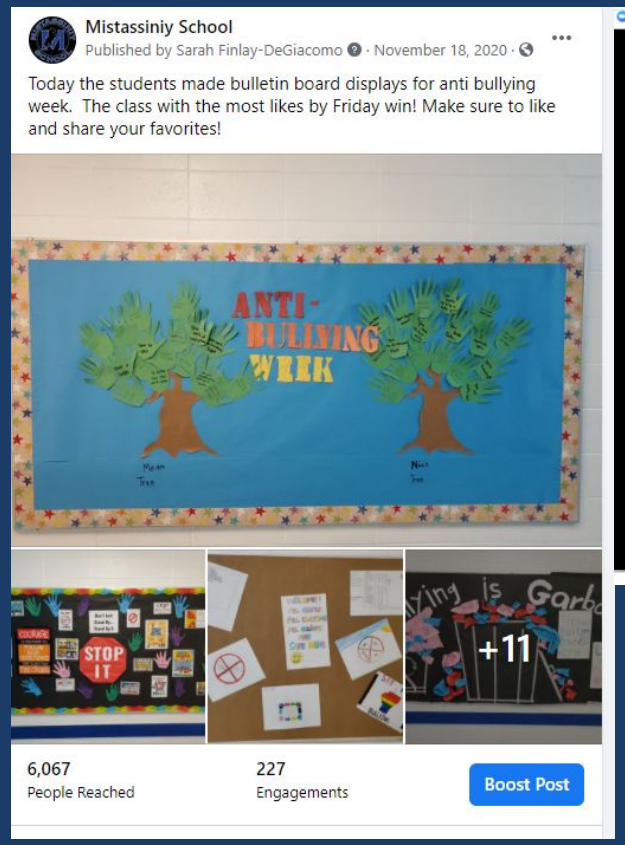
- Google Classrooms
- Attendance, nope completion Awards
- Progress Reports!
- Mirrored Classrooms
- At-home and In-school students combined

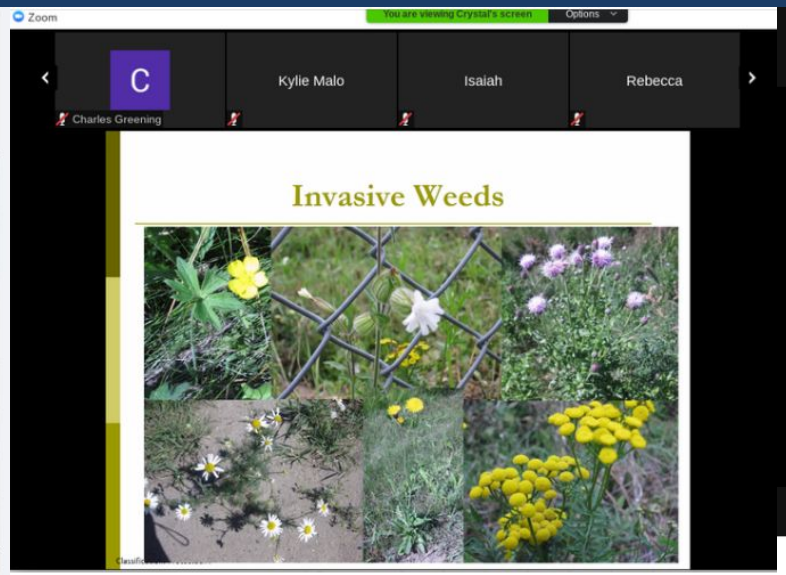


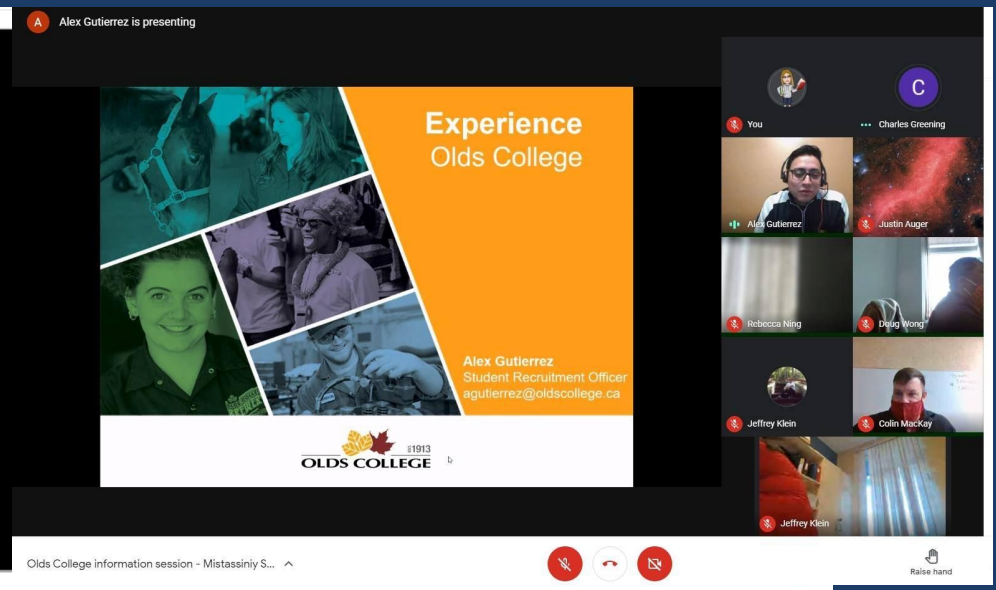


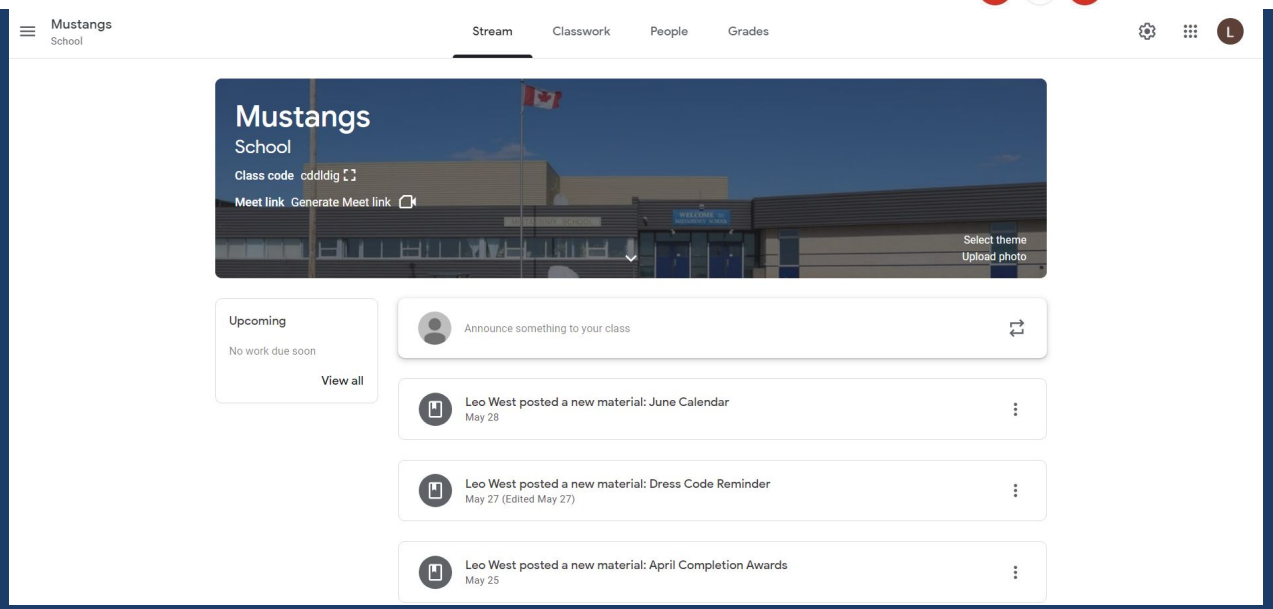


Whole School Communication







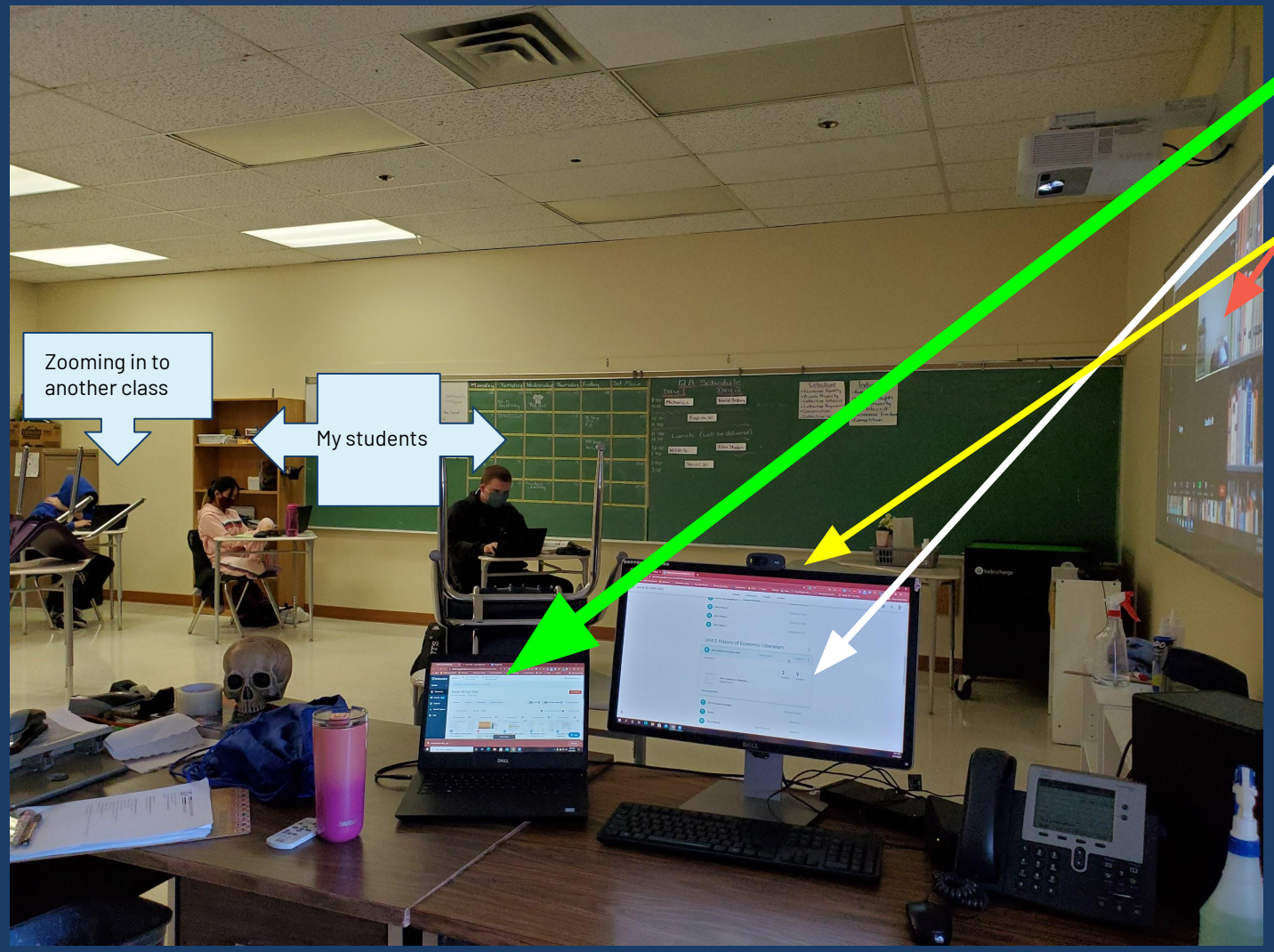


- Mustang Classroom
- Zoom Field Trips
- Facebook, Instagram

Whole School Communication (cont)

- **Events (in the last two months):**
  - **Healthy Relationships Day – Guest Speaker Corb Lund.**
  - **Earth Day – Planted trees, scavenger hunt etc.**
  - **Mother's Day – Students wrote cards for their mothers**
  - **Anti-Vaping Day – Bulletin Board Competition**
  - **MMIWG Day – Students wore red and watched informative videos.**

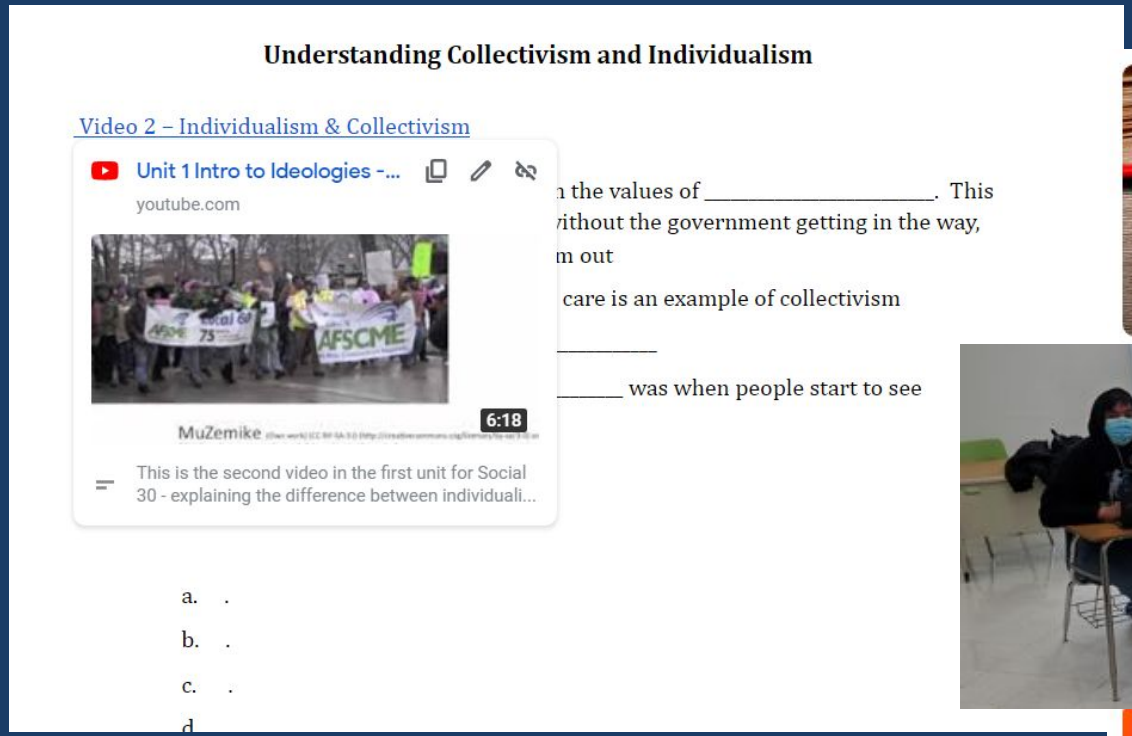
A View from the Teacher's Desk

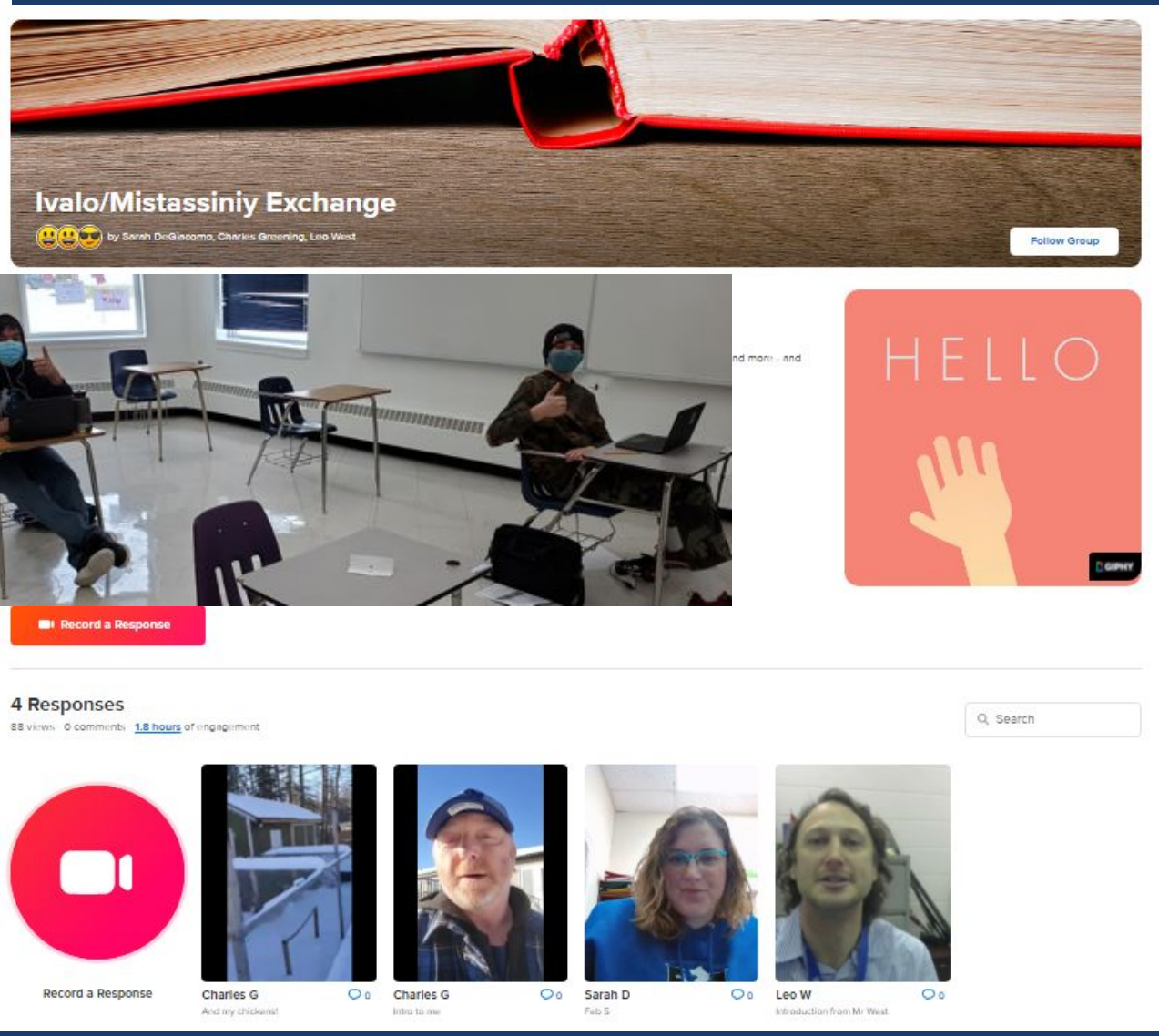


- Go Guardian (life saver)
- Google Classroom
- Zoom
- Webcam

What you don't see...
Microphone, second Zoom computer, 3 students zooming in from 2 classes away, 4 students zooming in from home, Students in class also zooming in to be in breakout rooms, Google Hangouts, multiple tabs, etc.

Flipped Classroom

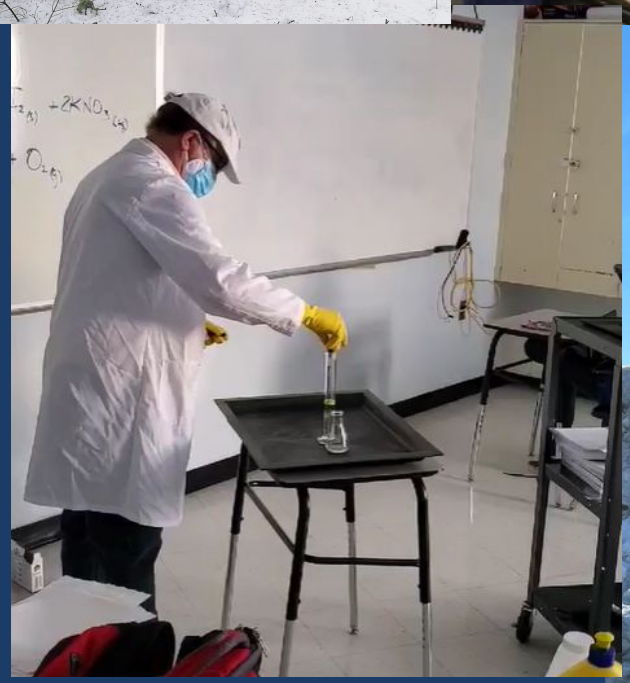




- Pre-record lessons (Screencastify/Flipgrid/Zoom/etc)
- Class time spent on working through assignments, not Lecturing!

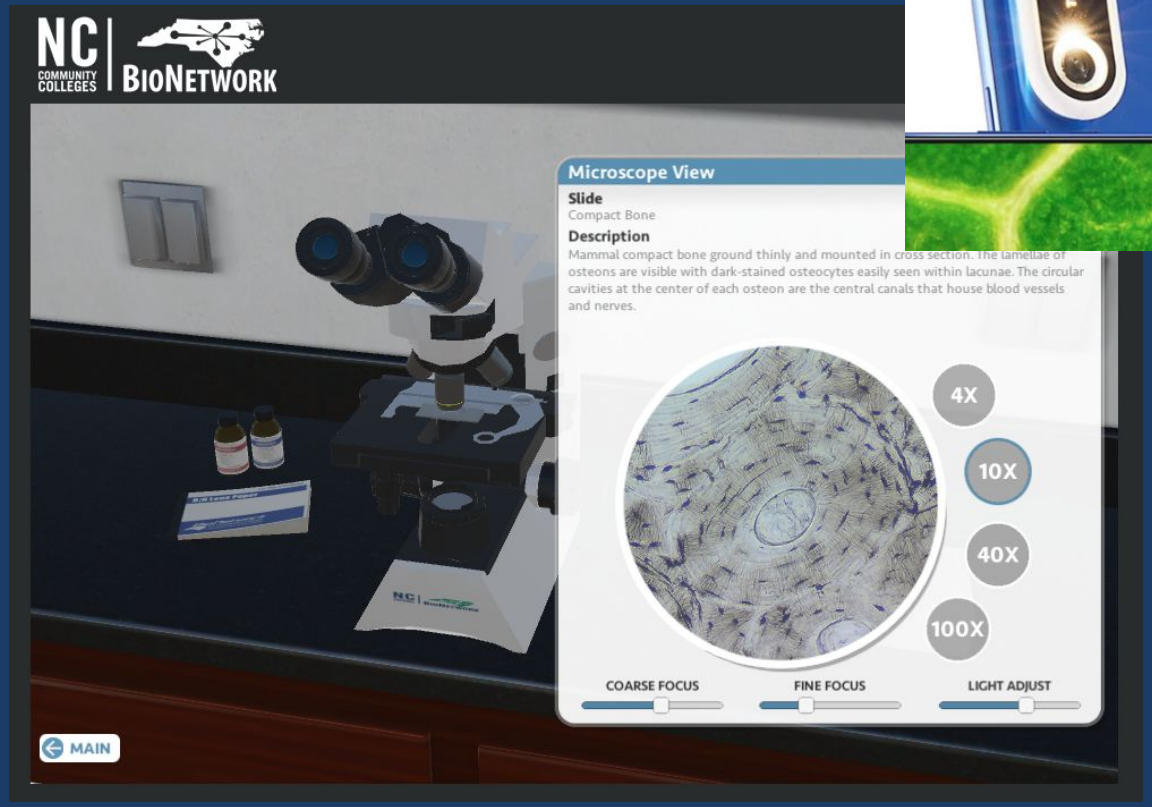
OWL Meeting Tool for Hands on Learning

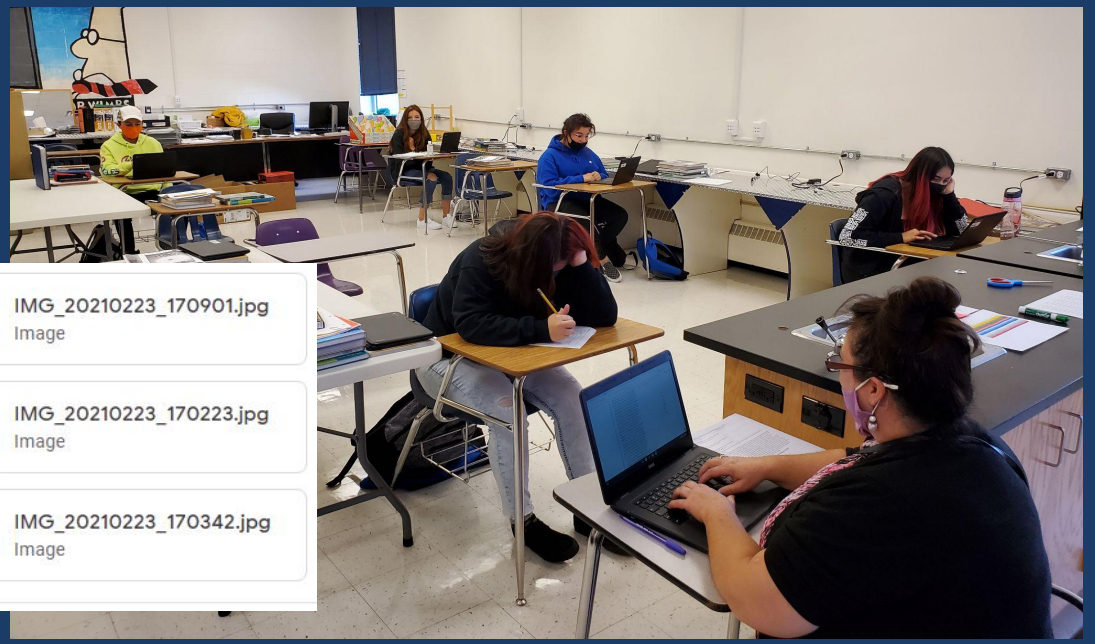
Commitment to Hands on Learning

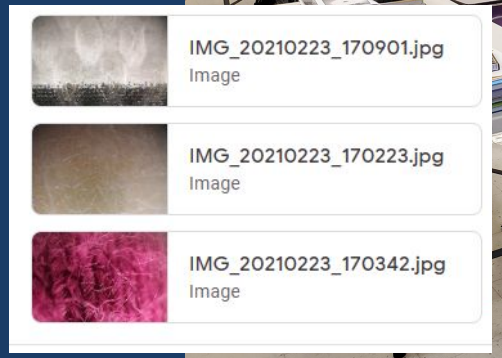


Technological Equipment

- Ipevo (docucam) for Math/Science
  - Let your at home students see demos
- Virtual Microscope

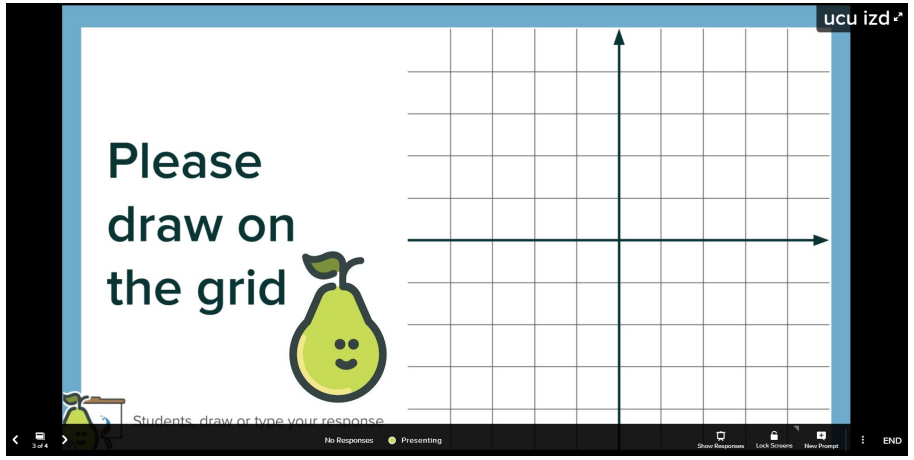


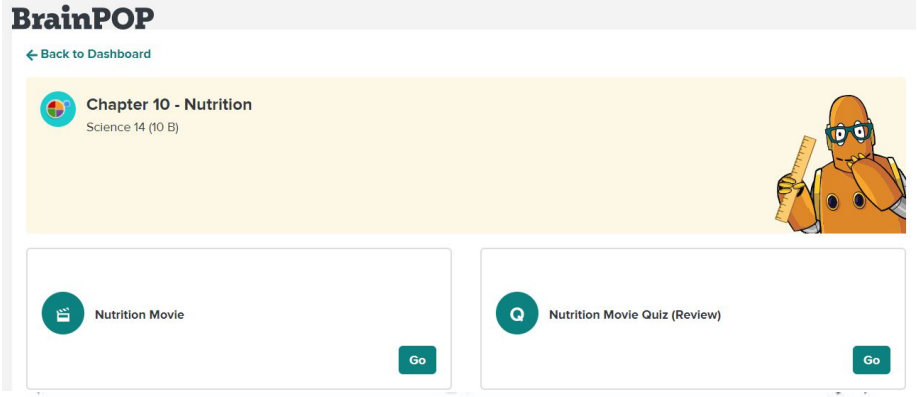


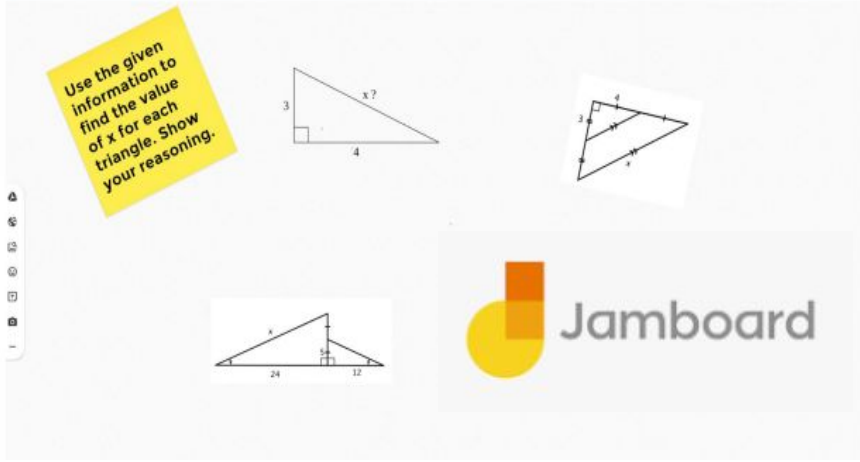


Technology Software in use!

- Peardeck
  - Students participate, anonymously in real time. Instant feedback.
- Jamboard
  - -Great for brainstorming, group projects.
- BrainPOP
  - High Quality Videos, and corresponding quizzes, challenges and games.
- Read&write, Flipgrid, Kahoot, Mathletics, Quiziz, etc.

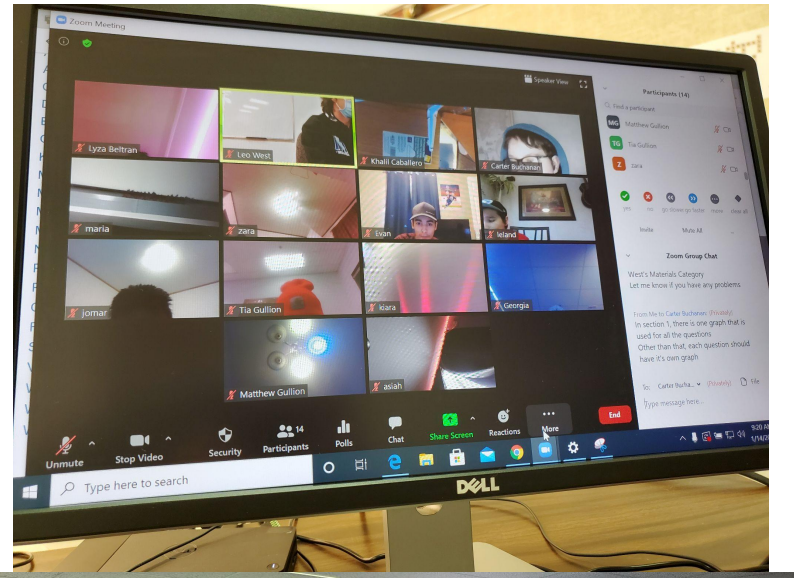


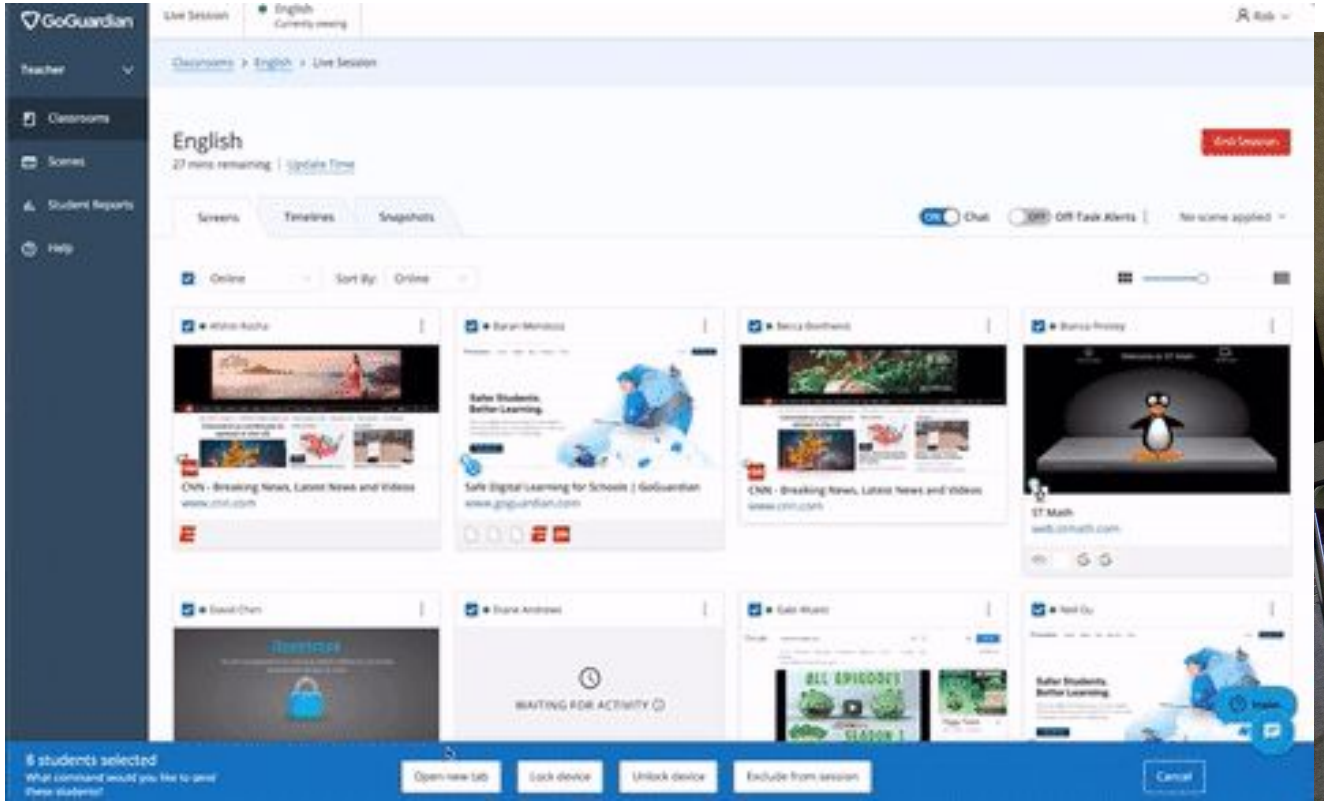




Hello... Anyone there? Go Guardian!!!

- Chromebooks for every student
  - Students participate, anonymously in real time. Instant feedback.
- Go Guardian on every Chromebook
  - Live monitoring program





Any Questions?