



A comparison of technology needs

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November 2020





CLB F, CLB 1L

- Learning challenges
- Access to tech \$\$
- Access to software
- Lack of experience with tech



Seniors for Active Living

- Lack of experience with tech
- Learning challenges



CLB 1-2

- English Level
- Lack of tech experience related to school/work
- Access to tech \$?

Students With Digital Literacy Needs

What barriers do they face?



Students with Family Responsibilities (CLB 3-4)

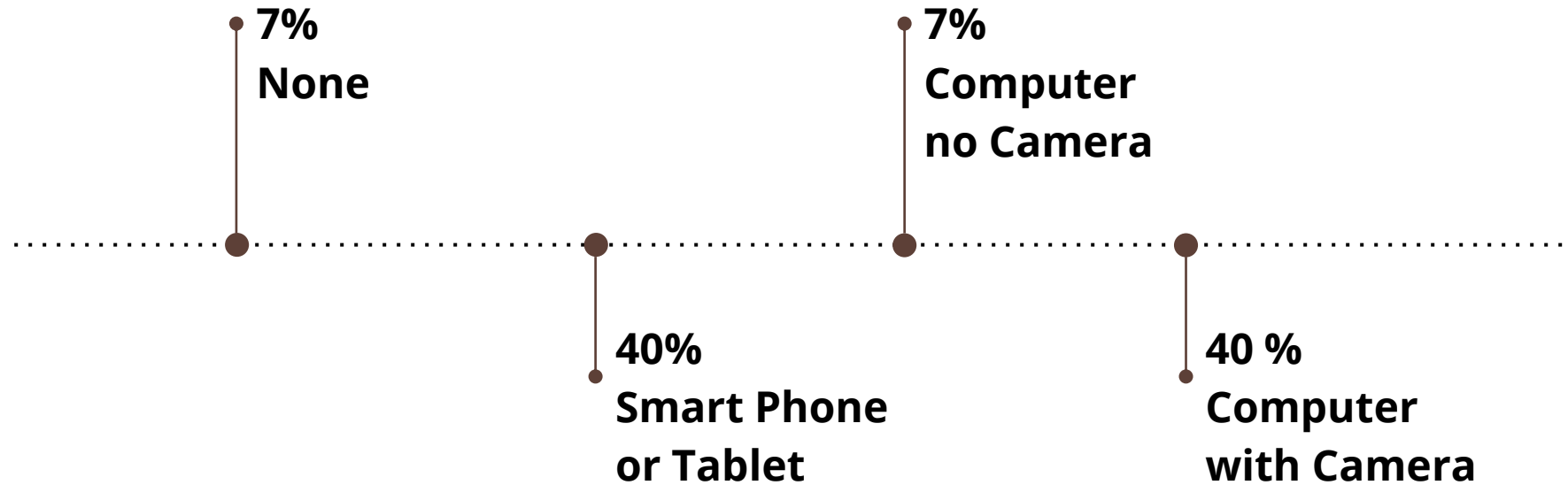
- Time, Scheduling, childcare
- Access to tech. \$\$
- Lack of Experience



Former Literacy Students (CLB 4+)

- Lack of digital literacy instruction at school
- learning challenges?
- Access to tech \$\$

Student Tech. Access outside of School:



* OCDSB ESL/LINC/LBS Students, Spring 2020

** Tech may be shared amongst other family members.

Solution: Tech Access (At Home)

DONATIONS

- Private donations? (One of our students anonymously purchased a computer for another student.)

USED

- Reputable organization (e.g. Computers for Schools)
- 3-5 years old
- Hardware refurb.
- Software included
- Warrantee

SUBSIDIES

- Ontario Works? (e.g. similar to subsidies for tech. For people looking for work)

LENDING

- K-12 System model? (e.g. lending Chromebooks and wifi hotspots)



Communication:
Phone, Whatsapp,
Jitsi, Google Meet

Content Delivery:
Whatsapp, Padlet,
Youtube Channel

Educational Sites:
Essentialskills.com
Bookcreator.com



Communication: Jitsi,
Google Meet

Online Classroom:
Padlet, Lingt, Seesaw*

Educational Sites:
ESL Library, Kahoot,
Liveworksheets



Solution: Software

- Province wide licenses for specialty software (e.g. phonics, padlet, ESL Library)
- Accessing K-8 (E.g. OSAPAC, Read&Write, Screencastify, Google Classroom, Google Meet)



Communication: Zoom, Google Meet
Online Classroom: Google Classroom,
Avenue, Onyx

Educational Sites: ESL Library, Kahoot,
Liveworksheets



Communication:
Zoom, Google
Meet

**Online
Classroom:**
Google Classroom,
Avenue, Onyx



Face to Face

- Labs or class sets of ipads



Face to Face

- Labs or class sets of ipads



Face to Face or Hybrid

- Bring your own device
- Supplemented by Labs, ipads or Chromebooks

Solution: Delivery Model



Hybrid or Online

- Bring your own device
- Supplemented by Labs, ipads or Chromebooks



Hybrid or Online

- Bring your own device
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Teachers with Technology Needs

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Group A

- It's a requirement to use (small steps)
- One on one or VERY small group support from Tech. Support Instructor
- Reassure them glitches will happen and do happen to EVERYONE
- Asking for help is okay, even asking students
- Instructional Design Time



Group B

- It's a requirement
- Lots of PD by class level
- Support from fellow instructors
- Instructional Design Time
- Tech Support Instructor to help troubleshoot teacher and student issues



Group C

- Instructional Design Time
- Reminder not to forget to teach digital literacy skills in small steps
- Don't overwhelm students



Supply Teachers

Digital Literacy Instruction

Lower Level Classes

- Include the whole class
- Emphasize language, eg. vocabulary (not only nouns)
- Start with what they know (e.g. Whatsapp)
- Start at the beginning (e.g. using a mouse, trackpad, etc.)

Common Problems

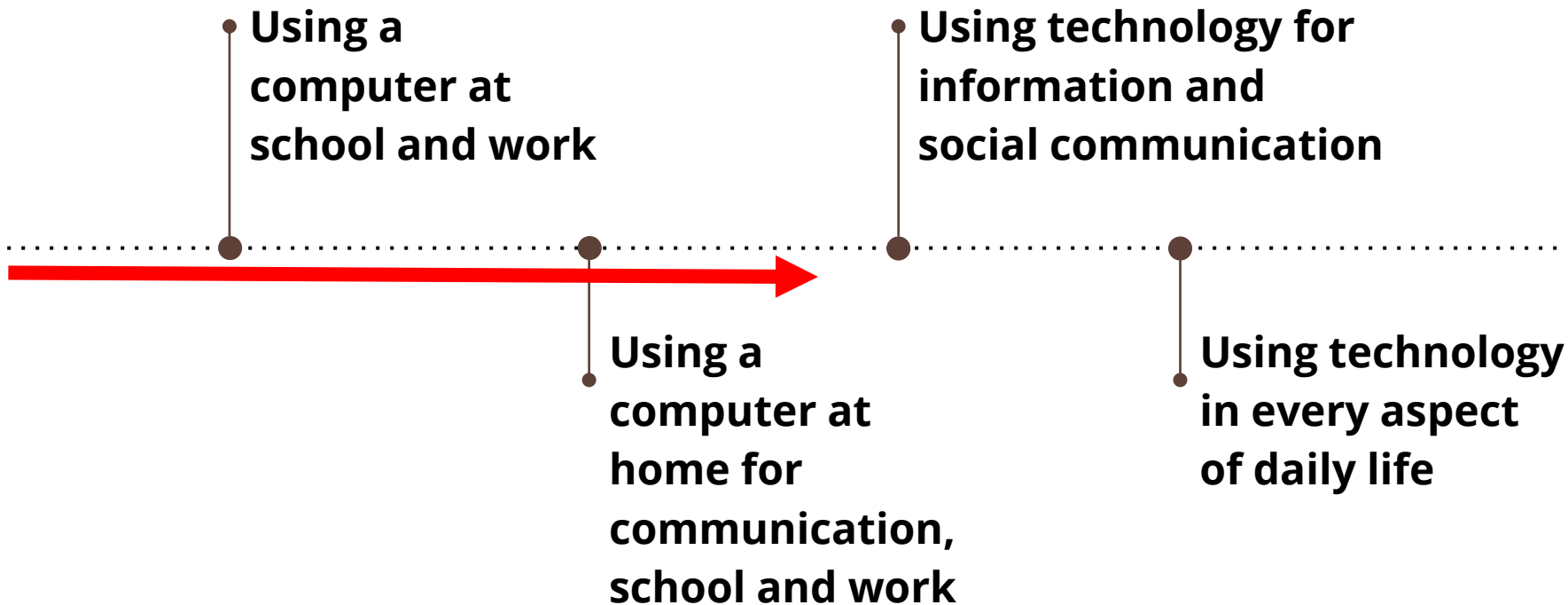
- Sign in vs sign up
- Spaces in emails; not knowing passwords
- How to switch between windows/tabs/apps
- How do you right-click on trackpads?
- Captcha questions

Higher Level Classes

- Those who need basic digital literacy skills: refer to computer workshop; use volunteers, family members, or other students
- Provide higher level digital literacy instruction to whole class (e.g. emails, digital presentations, internet searches, online shopping)
- Emphasize language



What digital literacy skills are required for today's tech?



Digital Literacy Instruction

- Encourage teachers to include digital literacy instruction overtly **and** integrated into regular task-based instruction
- Resources need to be task-based, language focused, up-to-date or adaptable, and detailed
- Instructions must be in an easy to use format with simple language (eg. screen capture videos, teacher narration over existing videos)



- Multiple devices and formats need to be considered (e.g. phones, computers, android, Apple, etc.)

Digital Literacy Resources

LINC/ESL

ISS of BC Digital Literacy Curriculum -

<https://digital-literacy.issbc.org>

LBS

CESBA LBS Digital Literacy Curriculum

<https://cesba.com/cesba-launches-lbs-digital-curriculum/>

Columbia Basin Alliance for Literacy

<https://www.cbal.org/computer-training.html>

Northstar Digital Literacy

<https://www.digitalliteracyassessment.org/>

Public

Mousercise -

<http://www.pbclibrary.org/mousing/mousercise.htm>

Typing.com

GCF Learn Free -

<https://edu.gcfglobal.org/en/computerbasics/>
<https://www.youtube.com/user/gcflearnfree>

Digital Learn

<https://www.digitallearn.org/courses>

Out & About in the World of Technology by Tina Sander
