Digital Literacy Skills and Second Language Learners: Focus on Equity

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EdTech
CENTER @
WORLD EDUCATION

Our agenda

- ❏ Understand the context of this talk

- ❏ Make the case for why this matters

- ❏ Share strategies to plan instruction that leads to digital resilience for diverse learners

- ❏ Share strategies and resources to support digital skills instruction

- ❏ Share resources for you

Keynote Resources

https://wakelet.com/wake/JM1u4wjagF24btpzZ1ISf

What's your opinion? Disagree? A

Strongly disagree

it is important to help learners build digital skills

I work to integrate technology in my classes
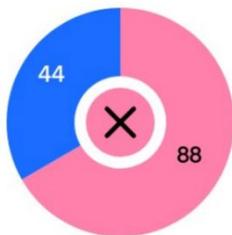
I value trying out new technolgies in my daily life

https://www.menti.com/al9jmqwwfc2o

What's your opinion? Disagree? Agree?

Mentimeter

it is important to help learners build digital skills — 4.6

I work to integrate technology in my classes — 3.7

I value trying out new technolgies in my daily life — 3.5

Strongly disagree

Strongly agree

True or False

● ✓ ● ✗

5

✓

128

Most of my learners
have access to the
internet

44

✗

88

Most of my learners
have a computer at
home

36

✗

95

Most of my learners
know what to do
with them

65

✗

66

Most of my learners
access digital
public services

It all needs to fit together to support equity

Agency & self-efficacy

Digital literacy

Language learning/literacy

Technology integration

This is especially true here Nordic countries

DIGITAL BARRIER / DESI INDEX	DIGITAL ACCESS Connectivity	DIGITAL CAPABILITIES Digital Public Services	Human Digital Capital	DESI TOTAL
Denmark	74.1	87.1	61.2	70.1
Finland	51.3	86.7	71.1	67.1
Sweden	59.6	83.9	64.6	66.1
Norway	56.7	80.0	64.4	63.2
Estonia	46.6	91.8	57.9	59.4
Lithuania	41.8	78.0	46.1	51.8
Latvia	50.4	79.6	41.1	49.5
Greenland	-	-	-	-
Iceland	-	-	-	-
The Faroe Islands	-	-	-	-
Åland	-	-	-	-
EU	50.2	68.1	47.1	50.7

Table 1: EU snapshot of digital inclusion in the Nordic-Baltic region (2021-period)

True or False

? Most of my learners have access to the internet

? Most of my learners have a computer at home

? Most of my learners know what to do with them

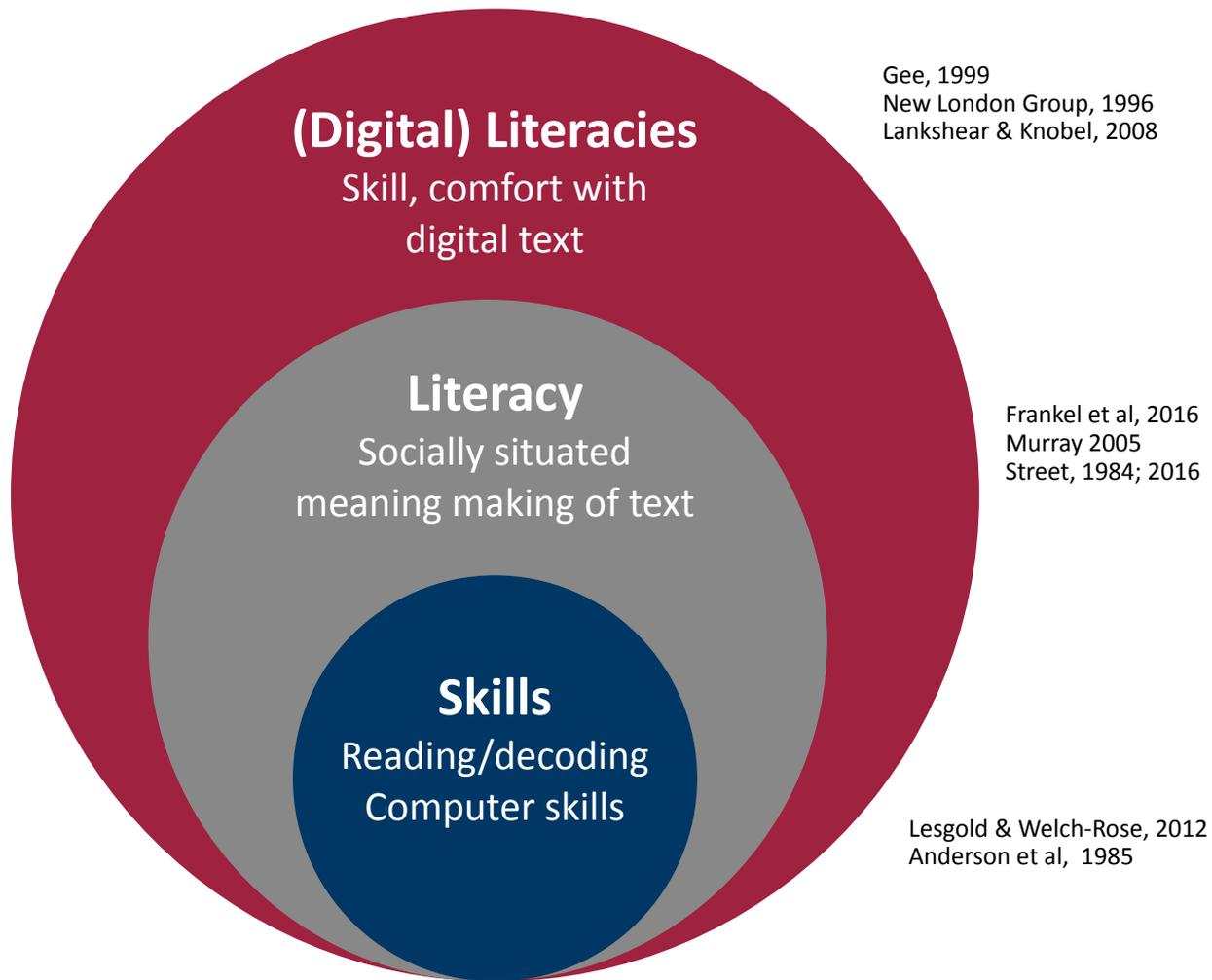https://www.menti.com/al9jmqwwfc2o

Making the case for why this matters

Why does this matter?
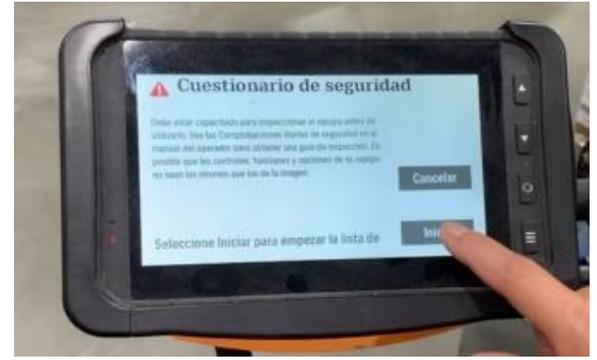
(Bragg et al, 2019; Knowles, 1980; Reder, 2012)

What does literacy mean a digital age?

(Digital) Literacies
Skill, comfort with digital text

Gee, 1999
New London Group, 1996
Lankshear & Knobel, 2008

Literacy
Socially situated meaning making of text

Frankel et al, 2016
Murray 2005
Street, 1984; 2016

Skills
Reading/decoding
Computer skills

Lesgold & Welch-Rose, 2012
Anderson et al, 1985

We can't ignore technology, **AND** we can't pretend that there are not problems with it.

This ostrich cannot see problems.

New unfamiliar technologies

explain ostrich with head in the sand

The expression "ostrich with head in the sand" is often used to describe someone who is avoiding or ignoring a problem, rather than facing it head-on. It implies that the person is in denial about a situation and is choosing not to confront it, hoping that it will simply go away. However, just like the ostrich, avoiding problems in this way is not a effective solution and can actually make the situation worse in the long run.

is there a swedish language equivalent?

Yes, there is a Swedish language equivalent to the "ostrich with head in the sand" expression. The phrase is "att stoppa huvudet i sanden" which literally translates to "to put the head in the sand." It is used in the same way as the English expression to describe someone who is avoiding or ignoring a problem, rather than facing it.

is there a norwegian language equivalent?

Yes, there is a Norwegian language equivalent to the "ostrich with head in the sand" expression. The phrase is "å stikke hodet i sanden" which translates to "to stick the head in the sand." It is used in the same way as the English expression to describe someone who is avoiding or ignoring a problem, rather than facing it head-on.

is there a Danish language equivalent?

Yes, there is a Danish language equivalent to the "ostrich with head in the sand" expression. The phrase is "at stikke hovedet i busken" which literally translates to "to stick the head in the bush." It is used in the same way as the English expression to describe someone who is avoiding or ignoring a problem, rather than facing it head-on.

Is there a finnish language equivalent?

Yes, there is a Finnish language equivalent to the "ostrich with head in the sand" expression. The phrase is "pää pensaaseen" which literally means "head in the bush." It is used in the same way as the English expression to describe someone who is avoiding or ignoring a problem, rather than facing it head-on.

A teacher doing late night lesson planning and drinking coffee   Clear   →

a doctor talking with a patient   Clear   →

a nurse checking a patient's blood pressure   Clear   →

:Padlet

AI amplifies bias of information found online

Devices and digital text formats don't meet needs of all learners
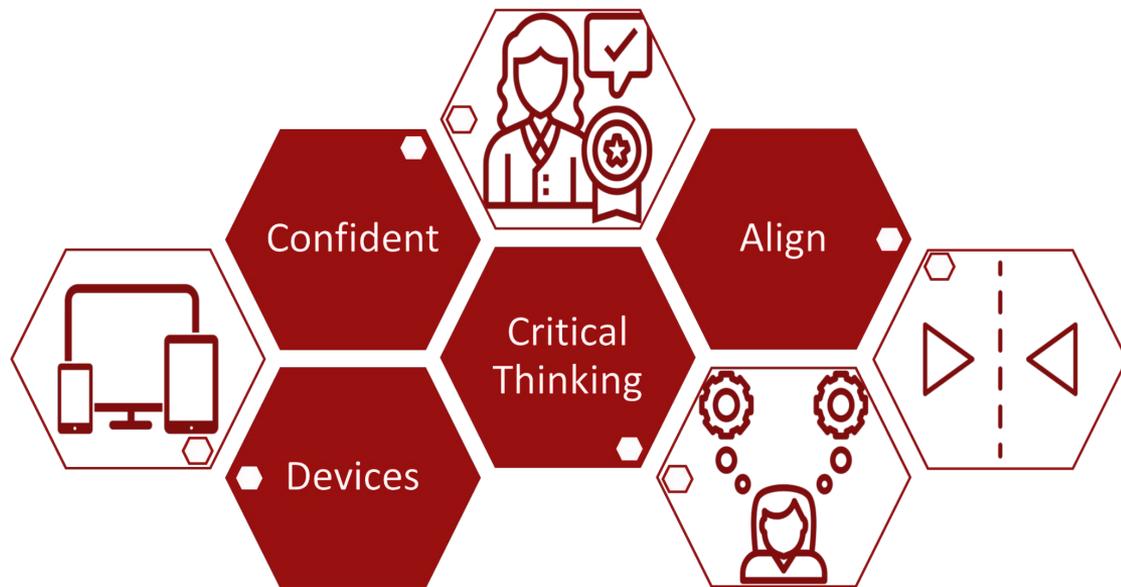
Balancing Act — to support equity

Planning instruction that leads to digital resilience for diverse learners

Keynote Resources

Use Technology to Meet Two Goals

1. Use digital technology to enrich instruction; create opportunities for students to use digital literacy skills in support of content learning

2. Support development of new digital literacy skills that will help them out of classroom.

Confident

Align

Critical Thinking

Devices

(Darling-Hammond et al., 2014; Hayes, 2007; Kolb, 2017; Vanek, 2017; Warschauer & Matuchniak, 2010)

I. Consider mobile devices as you plan.

Basic Elements

Limit Content: 1-3

Plan layout and thi

Improve readabilit
question design

Basic Elements (cont'd)

Increase accessibility: file type

Navigation: think touch screen

II. Build digital skills by using familiar technologies

Watch the video.
Listen and repeat.

She's

ironing a blouse.

What's Up With WhatsApp? Teaching Migrants in the Time of C19
nanfrydland@gmail.com

https://edtech.worlded.org/twelve-steps-to-teaching-slife-with-whatsapp/

III. Make the unfamiliar more familiar through routines

https://etctechtoolkit.glideapp.io/dl

Learn more in the workshop!

More routines here.

Digital Learning Selector

Home | Learning activities | Learning tools

Info | News

Learning activities

Remember	Understand	Apply
Analyse	Evaluate	Design

42 activities

Sort by ▾ | Advanced filter

Miscellaneous templates

Useful everyday templates such as planners, visual timetables and classroom routines.

#interactive #accessibility #guided #independent

Six Thinking Hats

Students approach problems from different perspectives.

#assessment #discussion #collaboration #explicit #guided #experiential

Plus, Minus, Interesting (PMI)

A thinking tool that unpacks the positive, negative and interesting aspects of an idea or concept.

#assessment #discussion #collaboration

Use relevant contexts. Name some tasks that require technology use in these contexts.

Child's Education	Employment	Education and Training	Health

Use Relevant Contexts

Child's Education	Employment	Education and Training	Health
Enroll children in school			
Communicate with teacher			
Read school calendar			
Help with homework			

Use Relevant Contexts

Child's Education	Employment	Education and Training	Health
Enroll children in school	Fill out personal information forms		
Communicate with teacher	Job search and applications		
Read school calendar	Communication at work		
Help with homework	Presentations		

Use Relevant Contexts

Child's Education	Employment	Education and Training	Health
Enroll children in school	Fill out personal information forms	Enroll in school	
Communicate with teacher	Job search and applications	Group work	
Read school calendar	Communication at work	Research	
Help with homework	Presentations	Class assignments	

Use Relevant Contexts

Child's Education	Employment	Education and Training	Health
Enroll children in school	Fill out personal information forms	Enroll in school	Fill out medical forms
Communicate with teacher	Job search and applications	Group work	Find and evaluate health information
Read school calendar	Communication at work	Research	Communicate with doctors
Help with homework	Presentations	Class assignments	Log into provider website

Strategies and resources to support digital skills instruction

Keynote Resources

Use a framework to determine students' needs

Go to www.menti.com and use the code 3118 3564

Mentimeter

Which digital literacy frameworks have you heard of?

0
DigiComp

0
UK's Essential Skills

0
International Compu

0
ISTE

0
Northstar

0
Seattle Digital Equity &

https://www.menti.com/al9jmqwwfc2o

Which digital literacy frameworks have you heard of?

32
DigiComp

2
UK's Essential Skills

12
International Computer Driving License

3
ISTE

5
Northstar

2
Seattle Digital Equity & Inclusion Framework

52

Which digital literacy frameworks inform your work?

24 DigiComp

3 UK's Essential Skills

9 International Computer Driving License

2 ISTE

2 Northstar

2 Seattle Digital Equity & Inclusion Framework

Example framework
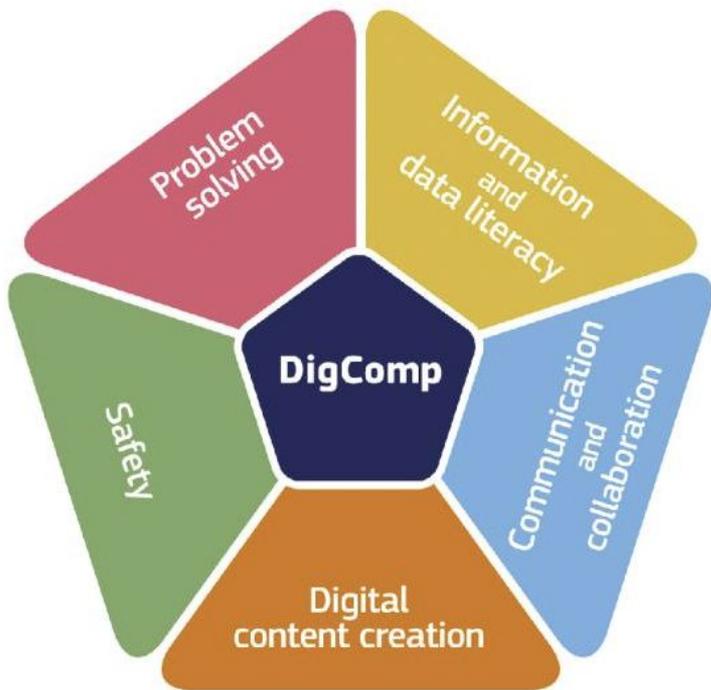
Information and data literacy
1.1. Browsing, searching and filtering data, information and digital content
1.2. Evaluating data, information and digital content
1.3. Managing data, information and digital content

Communication and collaboration
2.1. Interacting through digital technologies
2.2. Sharing information and content through digital technologies
2.3. Engaging in citizenship through digital technologies
2.4. Collaborating through digital technologies
2.5. Netiquette
2.6. Managing digital identity

Digital content creation
3.1. Developing digital content
3.2. Integrating and re-elaborating digital content
3.3. Copyright and licences
3.4. Programming

Safety
4.1. Protecting devices
4.2. Protecting personal data and privacy
4.3. Protecting health and well-being
4.4. Protecting the environment

Problem solving
5.1. Solving technical problems
5.2. Identifying needs and technological responses
5.3. Creatively using digital technologies
5.4. Identifying digital competence gaps

https://joint-research-centre.ec.europa.eu/digcomp_en

Example framework

Teach Skills
Digital Skills Library: Resources for Instruction

Communication

Creation

Device Ownership

Gateway Skills

Information Skills

Lifelong Learning

Mobile

Online Life

Privacy + Security

Workplace

https://digitalskillslibrary.org/

Integrate skill instruction into regular academic content instruction

Jose Adorno, Distance Learning Coordinator at EdAdvance

Encourage collaboration and opportunities for human connection

When learning new skills

When learners struggle

To help find relevance

Darling-Hammond et al., 2014; Harris et al., 2022; Jacobs et al., 2015; Sharma et al, 2015

Prioritize learner agency, but do cover what you know is needed

Nell, from Literacy Assistance Center of NYC, describes how she use student interest in texting to teach them email skills.

🔊

http://bit.ly/405Jctw

Transcript

Nell Eckersley

Prioritize learner agency in planning and monitoring progress

"The DLAP is a plan students create to align the acquisition of digital literacy skills with their individual goals... their own... instruction... process by... practice, scaffolding, feedback, and class time for learners to develop and execute their DLAP."

(Riggs, 2022, p. 38)

Learn more in the workshop!
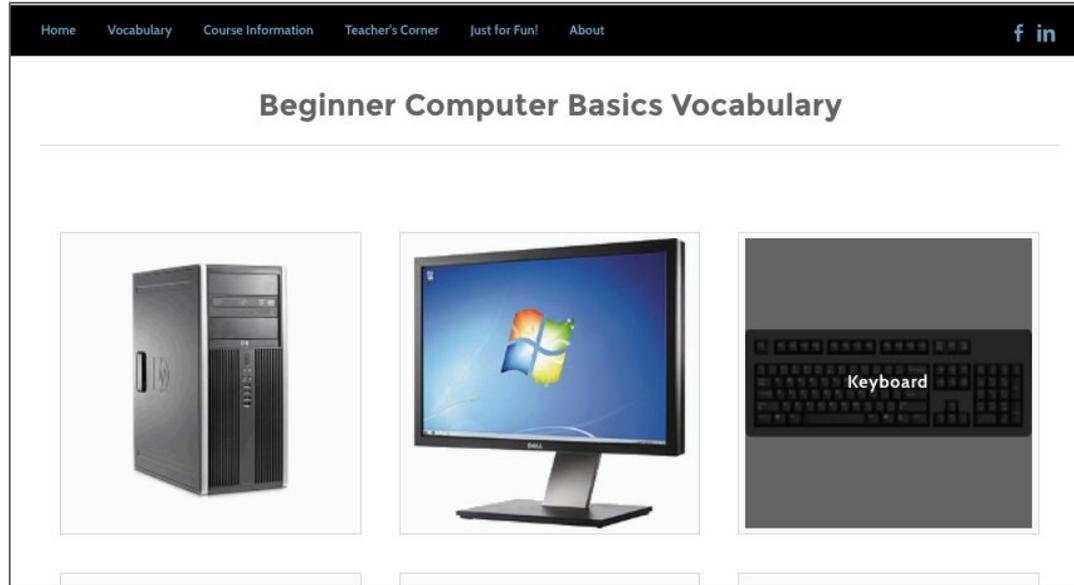
Rachel Riggs
@RachelTESOL1
Unfollow

10 items · 5

Digital Literacy Action Plan (DLAP) Tools

Make connections between language learning and digital skills development

Teach vocabulary - so students can talk about skills

(Vanek, 2017)

Digital Skills Glossary

Learn more in the workshop!

The Digital Skills Glossary

BUILDING RESILIENCE THROUGH LANGUAGE

Knowing the "language" of digital skills is an important foundation for digital resilience. The Digital Skills Glossary is a set of open vocabulary-based resources and activities to help build learners' digital resilience.

Glossary Resources

Instruc...
The ins...

...les (A to Z)
...Google Slides) ...ch term. Each slide includes the word and definition, an example sentence, images, and link to pronunciation guidance.

Glossary Slides (Thematic)
Glossary slides (Google Slides) organized by thematic category. This file Includes a hyperlinked main menu that allows users to jump to any category.

View the A to Z slides

View the thematic slides

page setup

DEFINITION:
(n) options that define the layout and format of a page

USE IT IN A SENTENCE:
...an use page setup to change the paper ...r the width of your margins.

alignment

DEFINITION:

(n) an arrangement that places text and/or images in a line

💬**USE IT IN A SENTENCE:**

In many apps, you can select the alignment for text as left, center, or right.

Created by Vrengky from Noun Project

Created by Lalitha from Noun Project

Created by Lalitha from Noun Project

https://digitalskillslibrary.org/glossary

Draw on home language and literacy as needed

"Multilingual students benefit from being able to use their additional language repertoires to facilitate comprehension of content materials and instructions for completing tasks and assignments"

(Marrero-Colón, 2021, p 13)
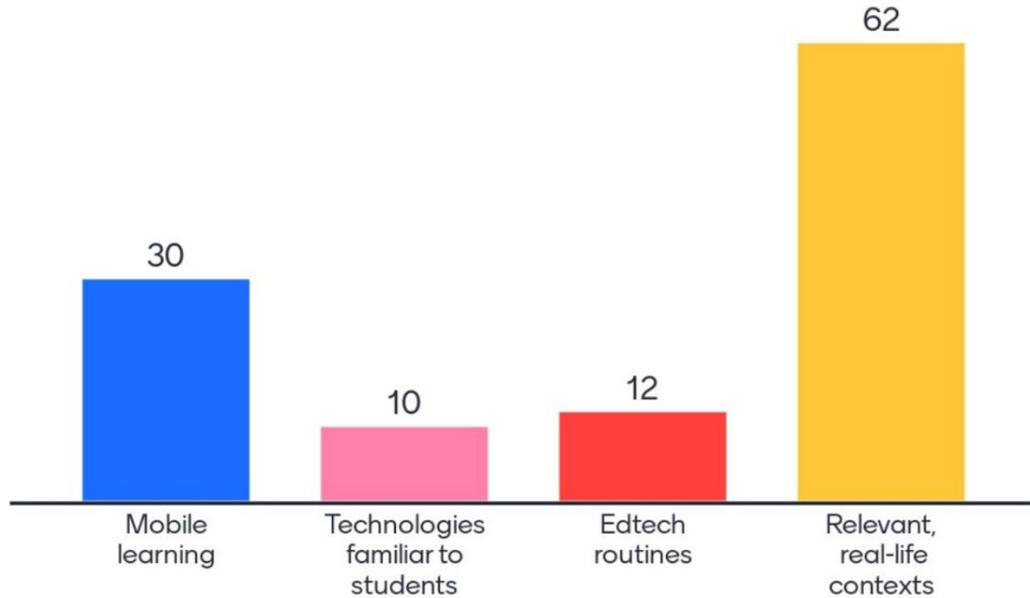
Go to **www.menti.com** and use the code **3118 3564**

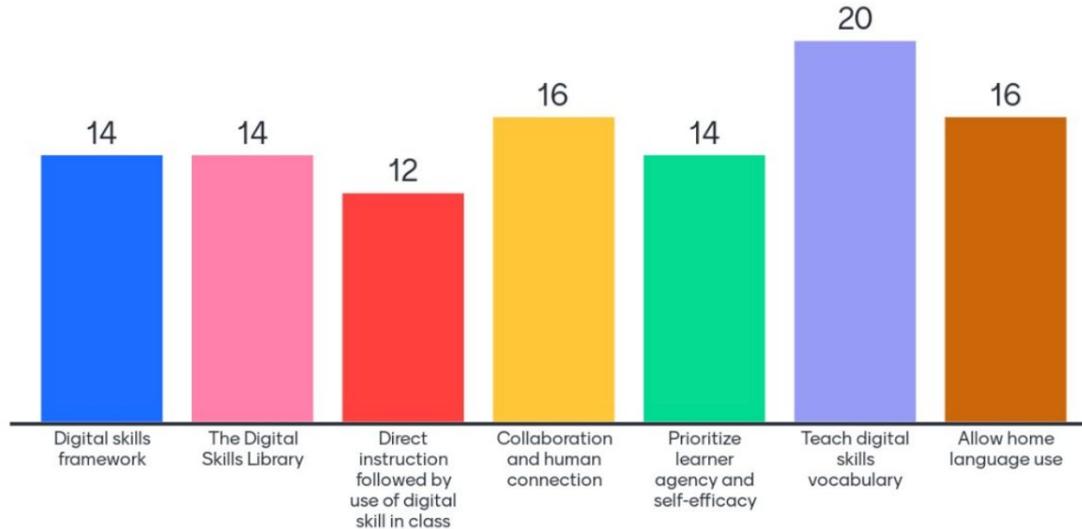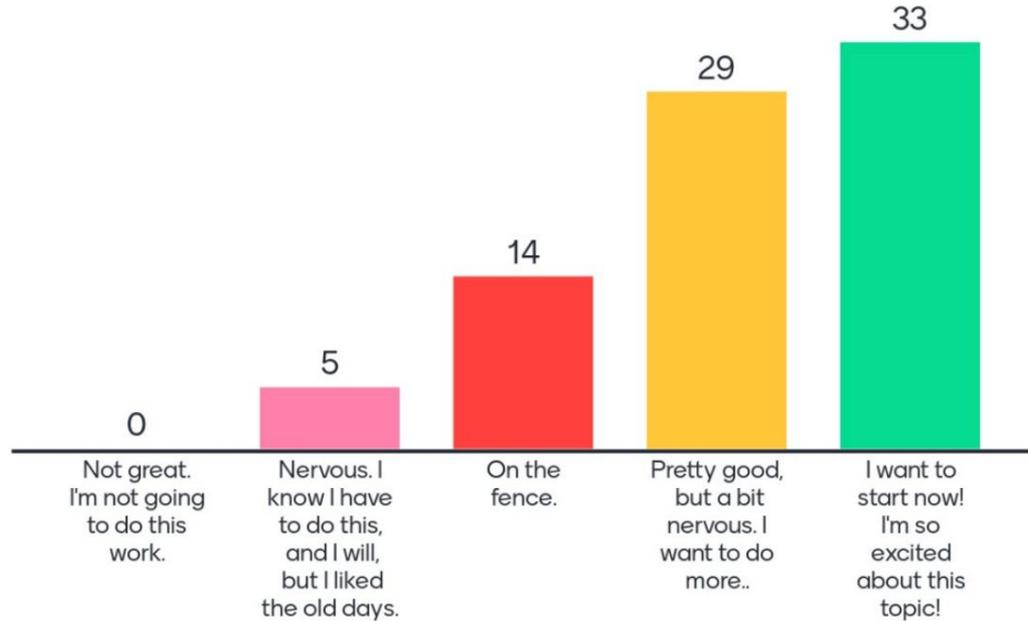**Mentimeter**

Name one resource or strategy that you will try.

https://www.menti.com/al9jmqwwfc2o

Which strategy or resource for building digital literacy will you try?

Bar chart data:

Strategy	Value
Digital skills framework	14
The Digital Skills Library	14
Direct instruction followed by use of digital skill in class	12
Collaboration and human connection	16
Prioritize learner agency and self-efficacy	14
Teach digital skills vocabulary	20
Allow home language use	16

Keynote References