

Using Frameworks to Define Digital Skills

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Good Morning!!!



Jeff Goumas Senior Technical Advisor









Consider this task...what skills are being used?



Defining Key Terms

Go to menti.com

Enter the code

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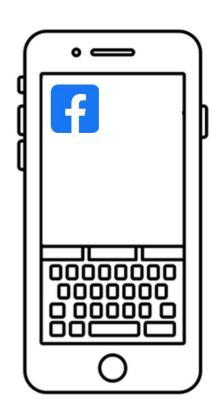


DIGITAL... SKILLS LITERACY RESILIENCE

DIGITAL SKILLS

"Digital skills are defined as a range of abilities to use digital devices, communication applications, and networks to access and manage information."

~ UNESCO, 2018





DIGITAL LITERACY

Digital literacy is the ability to use the information and communication technologies to find, evaluate, organize (curate), create, and communicate information, requiring both cognitive and technical skills.

~ American Library Association (ALA)

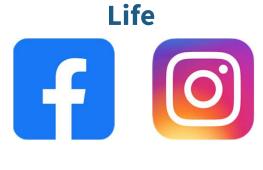
What social media platform should I post to?

Should I post this at all?

DIGITAL RESILIENCE

"...having the awareness, skills, agility, and confidence to be empowered users of new technologies and **adapt to changing digital skill demands**. Digital resilience improves the capacity to problem-solve and upskill, navigate digital transformations, and be active participants in society and the economy."

~ Digital US Coalition









Career





Our Focus Today...

AM Session

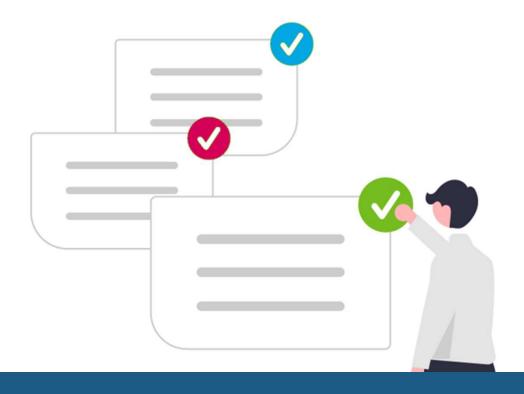
Using Frameworks to Define
Digital Skill Needs

- Examining Digital Skills
 Frameworks
- Teaching Digital Skills

PM Session

Integrating Digital Skills into Instruction

- Embedding digital skills into edtech-based instruction
- Contextualized skill application



Choosing and Using Frameworks

What is a Framework?

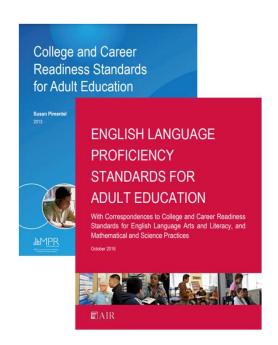
In the chat...

What are examples of skills frameworks you use to guide your instructional focus?



Framework examples...

Academic / Language Skills



Industry-specific Skills



Digital Skills





Considering the needs...







Whole Group Activity: What digital skills are most critical?

In your assigned Jamboard, identify the skills that are most critical for learners:

- career
- education
- everyday life



As well as instructors/trainers...

for teaching + learner support

Feel free to add examples of how you develop each skill

ISTE Standards for Students



Empowered Learner Computational Thinker

- Oigital Citizen
- CreativeCommunicator

3 Knowledge Constructor GlobalCollaborator

Innovative Designer

Northstar Digital Literacy Assessment Modules







Essential Computer Skills

Essential Software Skills

Using Technology in Daily Life

Basic Computer Skills

Microsoft Word

Internet Basics

Microsoft Excel

✓ Using Email

Microsoft PowerPoint

_

Google Docs

Windows

Your Digital Footprint

Social Media

Information Literacy

Career Search Skills

Mac OS

Accessing Telehealth Appointments

<u>Link to full set of Northstar standards</u>

Frameworks Create a Shared Language



Foundational Skills-based



Learner Behaviorbased

Frameworks Help Clarify Skills Goals

By having a clear set of skills, all stakeholders have clarity around what skills need to be developed.

Examples:

- Briya Charter Schools DL Integration at All Levels Chart
- <u>Tech Skills Checklist for Library</u>
 Supervisors and Staff (PLA)

Skill	81	B2	Int 1	Int 2	Ad v 1	Adv 2	CE A
Zoom					_		
Participate in Zoom sessions on phone and Chromebook							
Participate in creating group expectations for Zoom participation							
Demonstrate appropriate behavior, use phrases to show respect in Zoom setting							
Use hand signals/other nonverbal communication in Zoom meetings							
Turn camera on/off							
Turn microphone on/off							
Raise hand virtually using "hand raise" Zoom function							
Use reactions							
Type name in chat for attendance/Rename self in own panel							
Send/read messages in chat							
Click a link in chat							
Open another document while in Zoom							
Navigate between tabs	Г			П			Г
Join a breakout room							
Click to navigate between gallery view and speaker view	Г						Г
Answer polls							
Use the Annotate function							
Share screen							
WhatsApp							
Receive/read/access text messages and audio messages							
Send text messages and audio messages							
Send photos							Г

BRIDGES Framework (Coming soon!!!!!)

- Aggregate framework from digital skills assessments and curricula
- Adapted from the Seattle Digital Equity Initiative framework to include:
 - Aligned curriculum/OER
 - Goal-setting tools
 - Guidance for skill development
 - Instruction/assessment tools





BRIDGES - 75 Skills Organized Across 10 Domains

Foundational

Independent Learning

Productivity











Gateway Skills Device Ownership

Online Life Information Skills

Communication

Creation







Lifelong Learning



Workplace

Privacy + Security

Mobile

BRIDGES: Which domains are most important?

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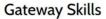


Communication

Creation

Device Ownership







Information Skills



Lifelong Learning



Mobile







Privacy + Security



Workplace



Teaching Digital Skills

3 Ways to Approach Digital Skill Development

Explicit

Contextualized

Integrated

Here's how you compose an email in Gmail.

Let's draft an email to your boss.

Digital skills against the backdrop of other subjects

Open your email for today's assignment.

Digital skills woven into the fabric of learning





What is *explicit* instruction?

Teaching a skill directly, following best practices

- Activate prior knowledge
- Provide practice opportunities
- Exercise "Gradual Release of Responsibility"
- Offer feedback and assess progress

What might need to be taught explicitly?

Foundational

Independent Learning

Productivity











Gateway Skills Device Ownership

Online Life

Information Skills

Communication

Creation







Lifelong Learning



Workplace

Privacy + Security

Mobile

Digital Skills Resources

























Wisc-Online

Basic Computer Skills MOOC By teachers. For students. Get unstuck.

Organized by a framework...

Teaching and learning resources

Aligned to the skills

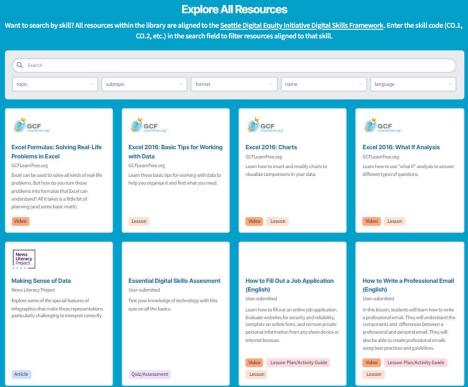


Curated at digitalskillslibrary.org

Teaching and learning resources



In the Digital Skills Library



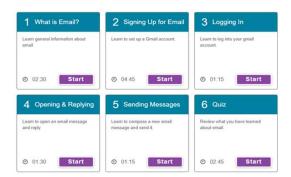
Choose the resource that works best...

Skill: EF.8 Get an email account

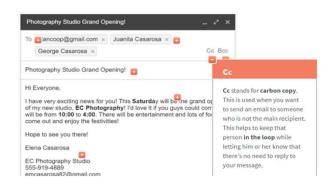








E-modules



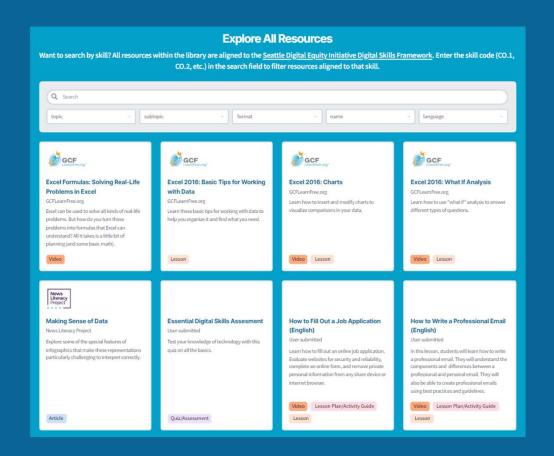
Print + Video Tutorial



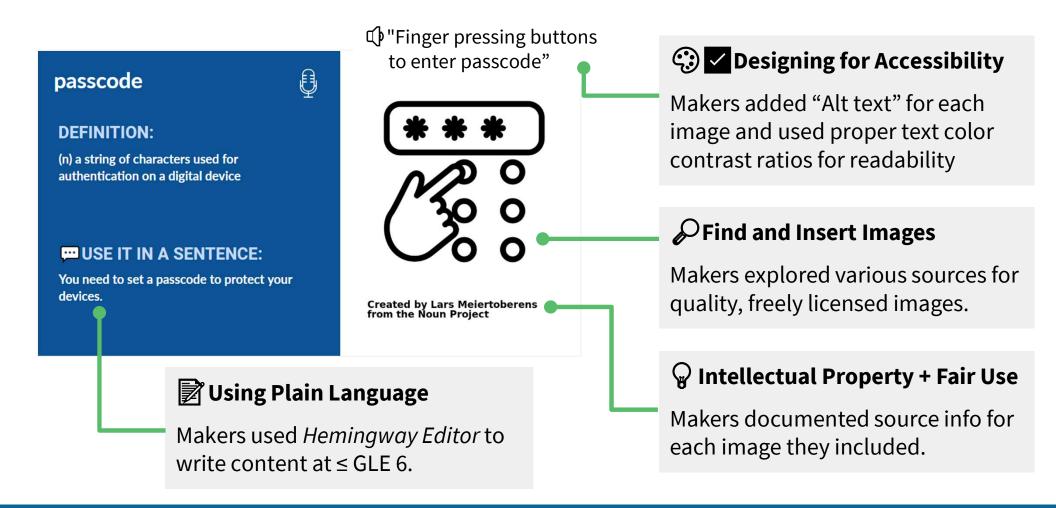
Project-based Learning

DigitalSkillsLibrary.org

- 1. Choose a skill you want to teach your learners.
- 2. Open the library.
- 3. Find an activity you might use to teach the digital skill.
- 4. Identify a key vocabulary word from the activity.



The Digital Skills Glossary



Building Resilience through Digital Skills Vocabulary

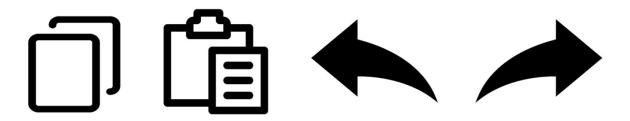
- Build Visual Recognition
- Build Language
- Recognize Common Features + Functions
- Understand Use Across Contexts
- Experiment with New Tools

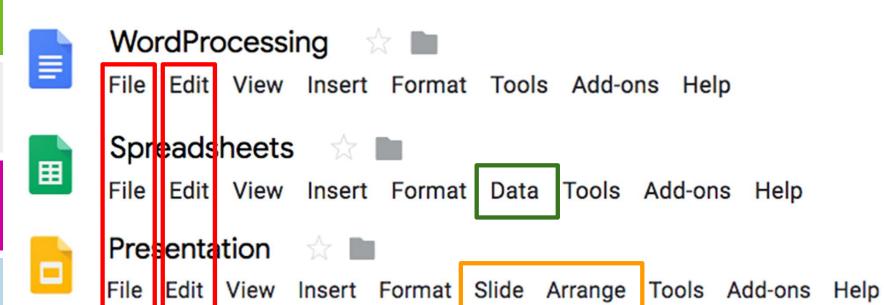
Build Visual Recognition

When will you encounter these different cursor styles?

Symbol	Action	Left-click	Right-click
4	Select	Double-click to open folders.	Context menu with options related to the selected object (image, shape, etc.)
I	Туре	Click within an editable text field to type. Double click to select a word. Triple click to select a whole block of text.	Context menu with text formatting options.
(Jm)	Open; select or deselect	Click a hyperlinked item on a webpage to open it. Click on a selection element (radio button, checkbox) to select/deselect.	N/A
∰	Move	Click, hold, and drag to move the object.	Context menu with options related to the selected object (image, shape, etc.)

Build Language





Recognize Common Features + Functions

Help learners make the following connections to build digital resilience:

Action	✓ Mouse	Trackpad	Touchscreen
Scroll	Click and drag the scroll bar; roll the scroll wheel	Touch the trackpad two fingers and slide up and down	Touch the screen with one finger and slide up and down
Left-click	Click the left mouse button	(Varies) Tap the left side of the trackpad	Tap the screen
Right-click	Click the right mouse button	(Varies) Tap the trackpad with two fingers	Press and hold certain screen elements; double-tap text elements
Drag	Click and hold the left mouse button; slide the mouse	Press and hold the left side of the trackpad; drag with a different finger	Tap, hold, and drag draggable elements



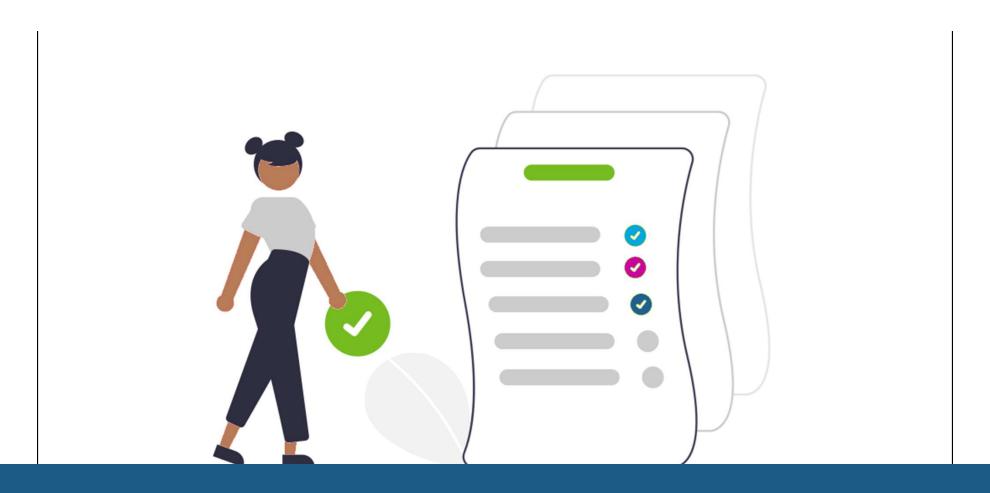
(**) Understand Use Across Contexts

instances do you only need to leftclick once? When do you double-click?

Action	Web Browser Chrome, Firefox, Safari	Document App Google Docs, Microsoft Word	OS Desktop Windows, MacOS
Left-click	Left-click in the address bar Left-click the bookmarks bar Left-click a hyperlink	Left-click in document Left-click one time in the menu bar	 Left-click an icon Left-click a text or search field Left-click a menu item
Double-click	Double-click a word on a web page	Double click a word within a document	Double-click a folder or app shortcut on the desktop Double-click listed items or folders within the file/document explorer
Right-click	Right-click an image on a web page	 Right-click on a selected word or paragraph Right-click within a table 	Right-click the desktop Right-click on a file icon or name within a list Right-click on a folder
Scroll	Click and drag the scroll bar	Click and drag the scroll bar	Click and drag the scroll bar in a folder or (Windows) menu

How would you use the library and/or glossary for explicit digital skill instruction?





Next Steps

Our Focus Today...



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flexible, evidence-based, and piloted strategies and materials that help teachers build the digital literacy skills and digital resilience of adult learners



bit.ly/drawonlincs

BRIDGES Framework: Coming February 2024

Framework + Guidance

Communication

Exchanging information with others on digital platforms using various strategies to collaborate, share, and communicate.

iuiding Questions

- Do I understand the needs of my target audience?
- Am I able to adapt my message and communication strategy appropriately for my audience and context?
- Can I use a variety of digital technologies (devices and platforms) to interact and share information with others?
- Can I share digital content across multiple devices, restricting access as appropriate?

Communication Skills

CO.1 Communicate Effectively	Awareness and adaptation of communication strategies to meet behavioral norms and respect user diversity (Netiquette) (E)
CO.2 Collaborate with Technology	Digital collaboration (E)
CO.3 Make Voice & Video Calls	Make Internet-based voice and video calls (using Skype, FaceTime etc.)
CO.4 Post on Social Media	Post messages and media on social media
CO.5 <u>Use Social Media</u>	Understand and identify the purposes of different social media platforms and online communities
CO.6 Set Privacy Settings	Understand and set privacy settings on social media (\ensuremath{E})
CO.7 Share Information with Others	Understanding ways to share information with others (\ensuremath{E})
CO.8 Use Messaging Tools	Use a messaging app to communicate with others (WhatsApp, Messenger)

Goal-setting Tools



Skill Activities



Skill Vocabulary



Digital Resilience Strategy: Pecognize Common Features + Functions Digital Skill(s) CO.4 Post on Social Media CO.5 Use Social Media CO.5 Use Social Media Co.5 Use Social Media Common Features + Functions Tiffany Lee Terms comment, follow, like, post, share Activity Description Facilitate a gallery walk by placing poster paper around the room (for a digital version, use Google Sides or Google Jambourd) with social media-related verbs. The posters will function as different stations. Each station/poster will be divided into different social media platforms. At each station, learners will complete activities: Post: Choose a social media platform and write a post. Follow: Choose a social media platform and write a post. Follow: Choose a social media platform and write en ost fit ways you can "react" to a

Social Media Gallery Walk

- Like: Choose a social media platform and write one of the ways you can "react" to post.
 Comment: Choose a social media platform and write down a comment you might
- Share: Choose a social media platform and write down something you might share with your network on that platform.

Skill Integration



"I can"...statements...

Provide tangible examples that can form the basis of task-based assessment / skill application

CO.4 | Post on Social Media

Post messages and media on social media

I can in my life	I can in my work	I can in my education	I can as a teacher
I can post a comment or an image on social	I can amplify my organization's work and	I can use the group	I can post on social media to ask questions
media.	accomplishments via an		and exchange ideas with
	appropriate social media channel.	interested in a specific topic.	other educators.

Domain Level Features

Vocabulary

Communication Vocabulary

The following terms are commonly used when referring to digital communication. Here is a link to a spreadsheet version of this vocabulary list. For a comprehensive list of digital skills terminology and associated instructional/training materials, visit the <u>Digital Skills Glossary</u>.

(n) A symbol that means "at"; it is commonly used as part of email

addresses.

attach (v) add a file to an email or message

attachment (n) a file sent in an email or message

badge (n) an icon awarded to a user for an achievement

bcc (n) blind carbon copy; this allows the sender of a message to hide the

names of recipients

(v) use blind carbon copy, hiding the names of recipients

block (n) a ban that prevents access to something

(v) to stop someone from contacting you

blog (n) a personal website that is used as an online journal

(v) post on a personal website that is used as an online journal

camera (n) a device for recording digital images

(n) carbon copy, an easy way to send a copy of an email to other recipients

(v) use carbon copy to send a copy of an email to additional recipients

chat (v) exchange text or voice messages in real-time through a computer

network

click (social (n) a single instance of Internet content being accessed media)

collaborate

(v) to work together with others to achieve a common goal

comment (n) a note on shared media or documents

(v) to write your reactions, thoughts, or questions in response to what

someone else shared

compose (v) write or create something

contact list (n) a list of people that contains information you need to communicate

with them

direct message (n) a private communication between users of social media

Tools

Communication Tools

Digital communication happens in many ways through many different applications. In addition to the tools listed below, most of which are specifically designed for direct communication and/or the sharing of information, many workplace tools have built-in messaging capabilities, such as commenting tools within file creation applications (documents, spreadsheets, presentations) and productivity tools such as project management applications.

Tool Type	Examples		
Video Meeting Tools	Zoom	GoToMeeting	
	Google Meet	FaceTime	
	Teams	Skype	
Messaging Tools	WhatsApp	FB Messenger	
	Remind	BAND app	
	TalkingPoints	Google Voice	
	iMessage	Email	
	Slack	Padlet	
Social Media	Facebook	TikTok	
	Instagram	LinkedIn	
	Twitter/X		
Group Discussion Boards	Google Classroom	Microsoft Teams	
	Google Groups	Moodle	
	Canvas	Schoology	
Storage / Sharing	Google Drive One Drive	Dropbox	

Crosswalks and more!

Internet Basics

Internet Basics Test Objective	BRIDGES Skill(s)	
Identify the different ways a person can connect to the internet.	MO.2 Understand Online Access EF.11 Connect to Wifi	
 Demonstrate knowledge of browsers and identify commonly used browsers. 	EF.3 Use Basic Browser Tools	
 Demonstrate familiarity with website structure (e.g., landing pages, internal pages). 	EF.3 Use Basic Browser Tools	
4. Identify top-level domains (e.g., .edu, .com, .org).	IS.3 Evaluate Online Information	
 Demonstrate understanding of how to use browser tools and settings to protect privacy (e.g., private browser windows, clearing search history, and declining to save passwords on shared computers). 	PS.3 Limit Sharing of Personal Data EF.12 Protect My Privacy on Shared Devices	
 Demonstrate understanding of when it's safe and appropriate to share personal, private, or financial information (e.g., recognizing phishing attempts, identifying unsecured websites). 	PS.3 Limit Sharing of Personal Data PS.6 Recognize Online Threats	
7. Identify ways to protect your devices (e.g., anti-malware software, recognizing possible virus attacks).	DO.3 Keep Devices Safe and Secure	
 Demonstrate to a website that you are a legitimate user using CAPTCHA or other verification methods. 	EF.3 Use Basic Browser Tools	
9. Fill out an online form.	E.F. 4 Use the Mouse and Keys	
10. Identify address bar and demonstrate understanding of its functionality.	EF.3 Use Basic Browser Tools	
11. Identify common browser tools and icons (e.g., favorites, downloads, refresh, and back).	EF.3 Use Basic Browser Tools	
12. Perform internet search using clear parameters (terms and filters).	IS.5 Use Search Strategies EF.2 Search the Internet	
 Demonstrate ability to scroll up and down a page and left and right on a page. 	EF.4 Use the Mouse and Keyboard	
14. Identify and make use of common website interactions (e.g., play buttons, hyperlinks).	EF.3 Use Basic Browser Tools	
15. Identify and work with tabs and windows.	EF.3 Use Basic Browser Tools EF.4 Use the Mouse and Keyboard EF.5 Understand My Computer	
16. Enable a specific pop-up window.	EF.3 Use Basic Browser Tools	
17. Use shortcut keys, or menu or mousing	EF.3 Use Basic Browser Tools	

Join us this afternoon to learn about more strategies and tools for integrating digital skills into everyday instruction!



Questions?



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