

Seattle Digital Equity Initiative

Digital skill sets for diverse users

A comparison framework for curriculum and competencies

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Outline

- City of Seattle's Digital Equity Initiative
- Approach
- Frameworks and Curricula
- Skills and categories
 - Is this helpful? Exercise/discussion
- Assessments
- Putting this into practice and longer term opportunities
- Questions & contact info

Seattle digital equity program

We envision Seattle as a city where technology's opportunities equitably empower all residents and communities – especially those who are historically underserved or underrepresented.

- **Skills Training**
- **Connectivity**
- **Devices & Tech Support**
- **Applications & Online Services**

Learner types



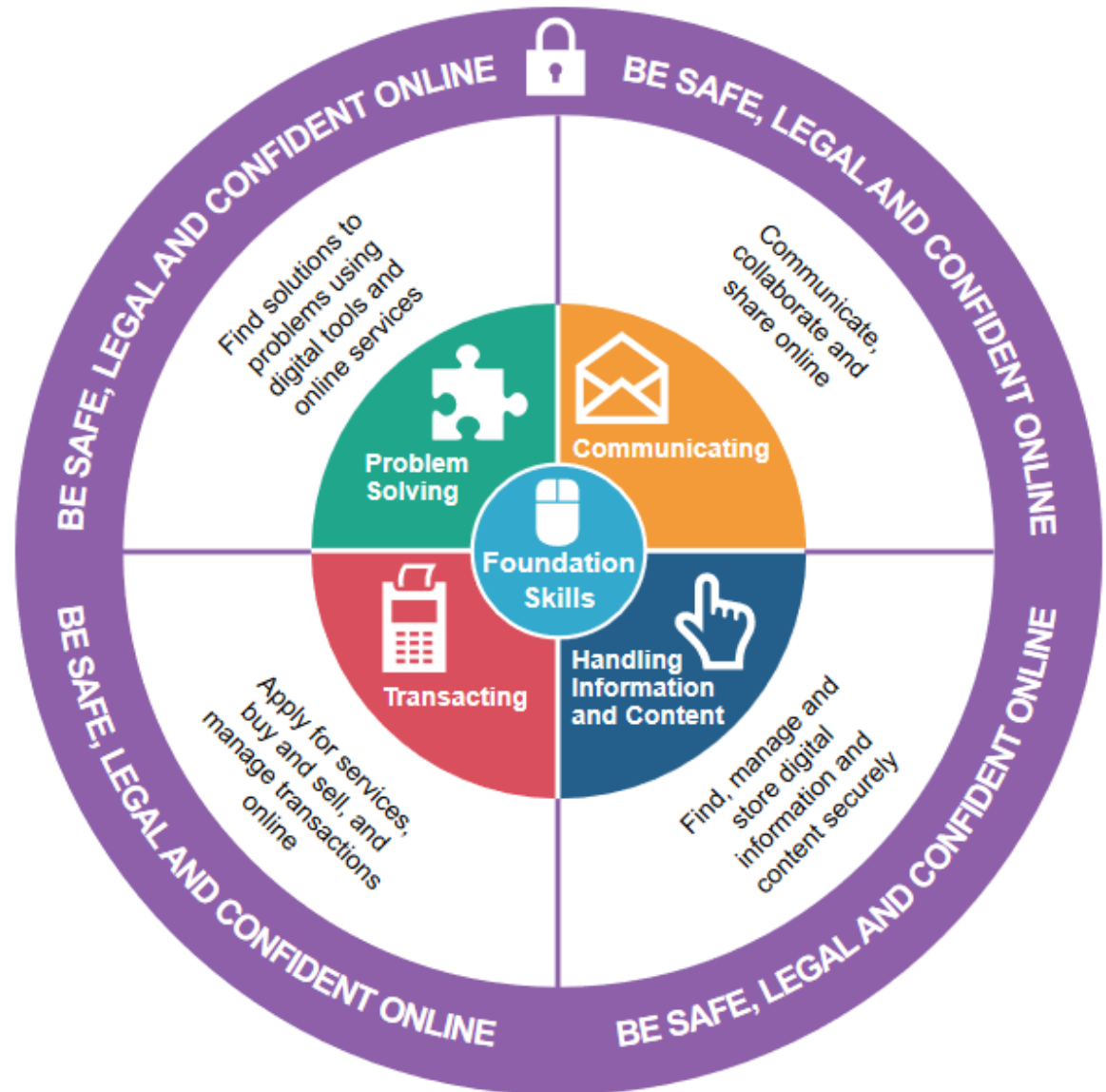
- **Beginner users (gateway skills)**
- **Life skills (applied tech skills)**
- **Youth education (HS prep for college and career basics)**
- **Parent engagement**
- **Work (employment foundations)**

Out of scope for this research

- All of K-12 education & STEM
- Tech careers - Applied and tech specific
- Small businesses & entrepreneurship

Linking frameworks to curriculum

- Frameworks meant to be more global or holistic...More adaptive to changing technology if written well.



6 Frameworks

- [DigComp 2.1 \(EU\)](#)
- [Essential Digital Skills \(UK\)](#)
- [International Computer Driving License \(ICDL\)](#)
- [International Society for Technology in Education \(ISTE\)](#)
- [Mozilla Web Literacy](#)
- [Northstar Assessment](#)

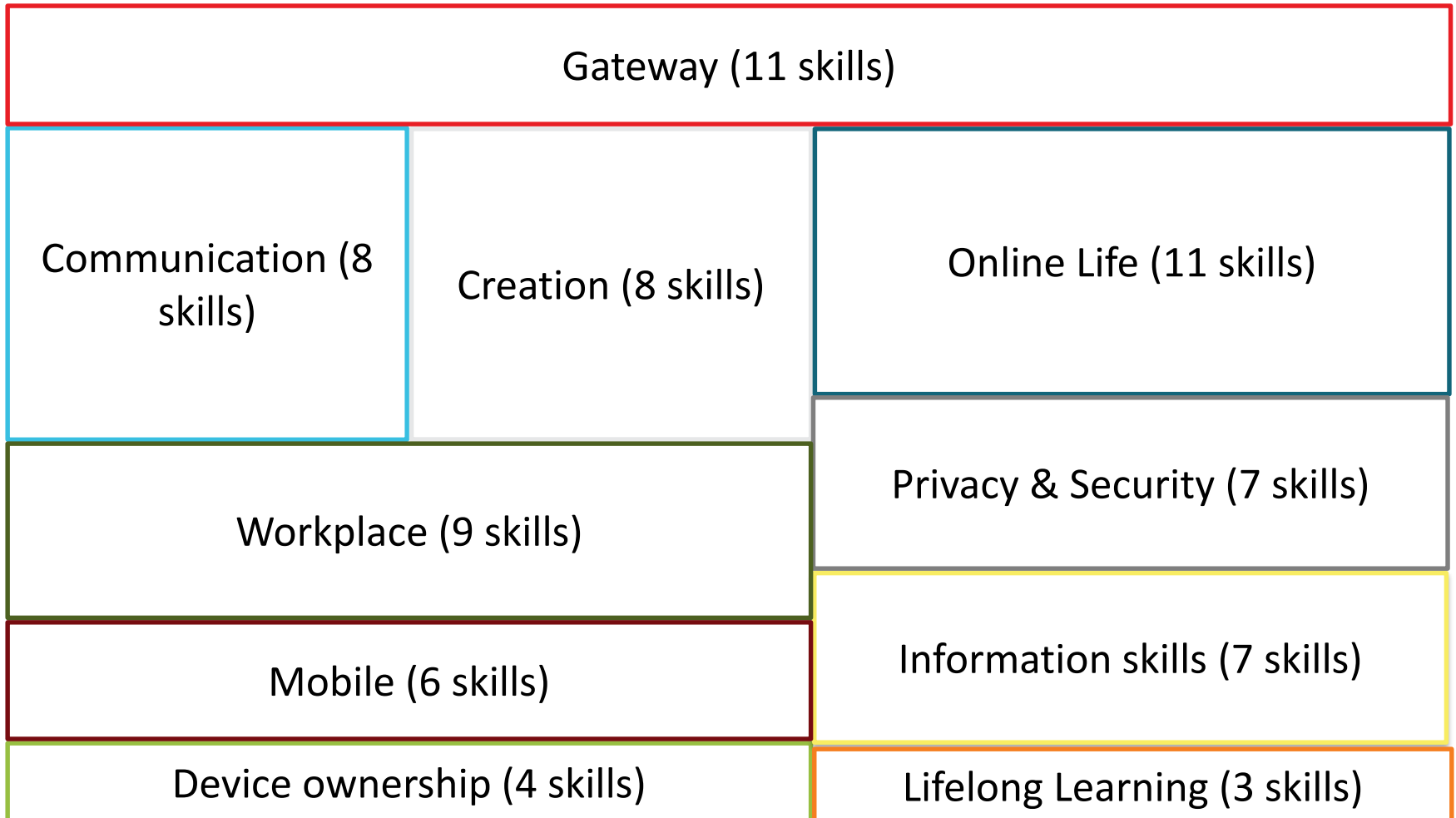
*Connected to framework

Available in other languages. Spanish: Digital Learn, GCF. Microsoft: Spanish, Vietnamese, Chinese, Russian, Japanese...

9 Curricula

- [Compass Digital Skills \(EU\)*](#)
- [Digital Learn](#)
- [Google Applied Digital Skills*](#)
- [Mozilla Core Curriculum*](#)
- [GCF Teacher Guide](#)
- [Learn My Way \(UK\)](#)
- [Literacy Source](#)
- [Microsoft Imagine Academy](#)
- [Seattle Goodwill](#)

Ten skill categories for the range of learners



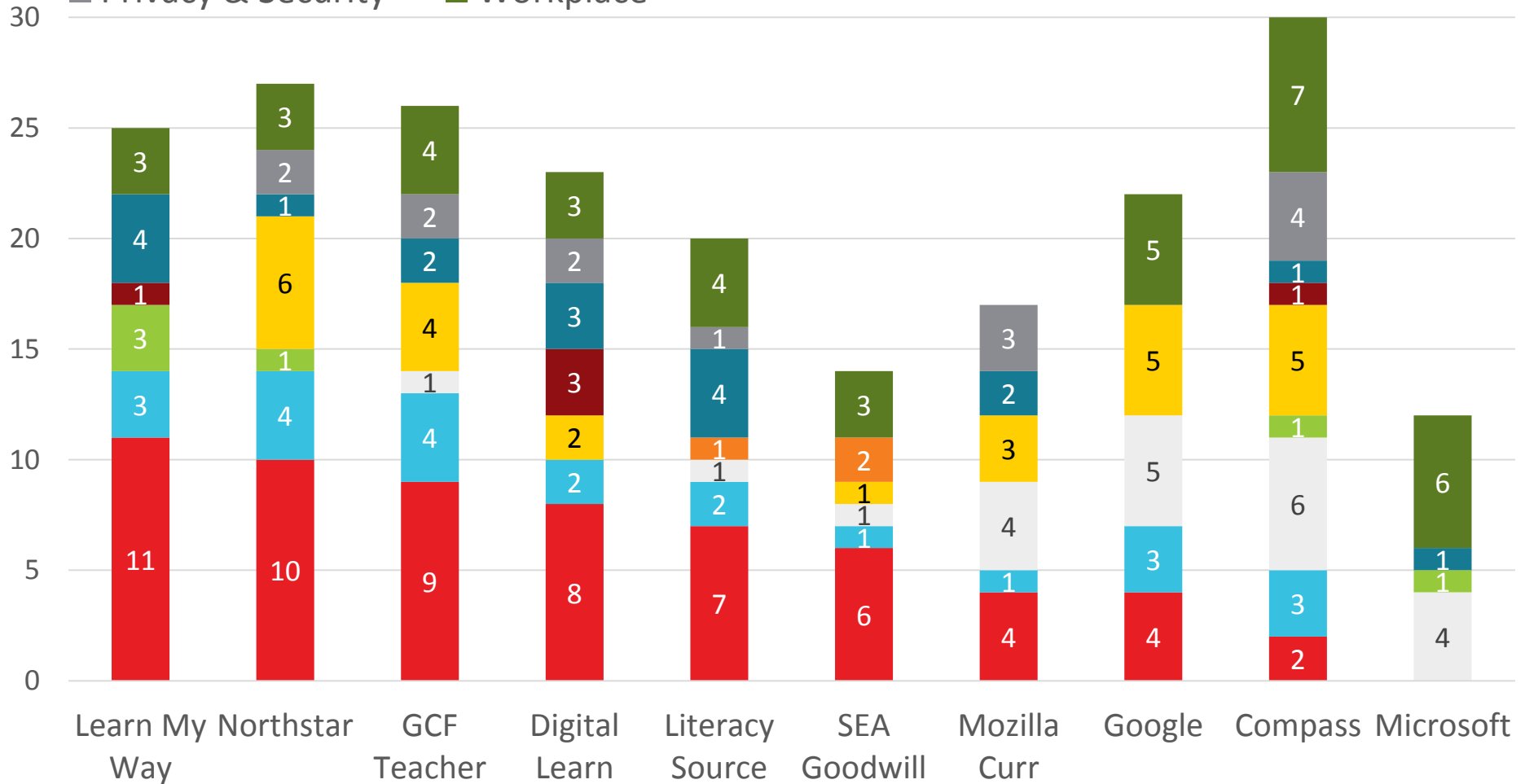
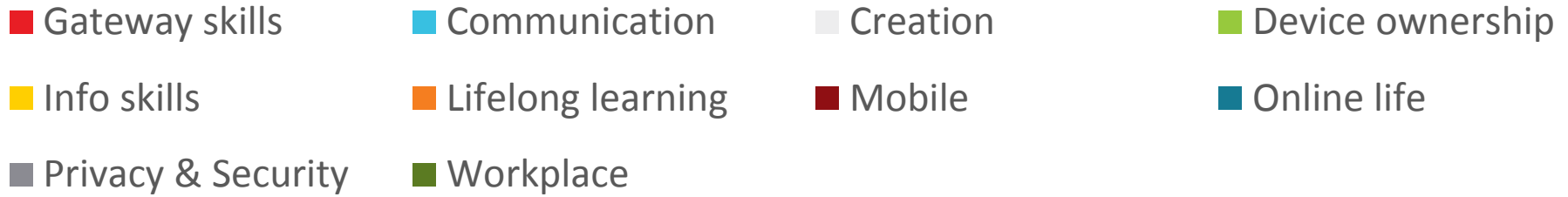
Skills example: Gateway

1. Basic mouse functionality
2. Password basics
3. Set up an email account
4. Sending and receiving an email including using attachments
5. Basic internet searching
6. Browser skills
7. Using an operating system
8. Understanding what the internet and web are
9. WIFI and Internet connections
10. Share devices and public Internet privacy and security
11. Accessibility tools on device



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Skills covered by curriculum



What skills for which learners

- Report recommends skills learners need to achieve their goals
 - A few examples (see the handout)
 - Skills for employment
 - Senior citizens
 - Parents



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Is this helpful?

Exercise:

- Think of a learner (e.g. limited English speaker, older adult, childcare provider, etc.)
- Which skills are necessary for them? Priorities?

Discussion:

- Could you use this with a learner to set goals and mark progress?
- Could you use the skill list and comparisons to evaluate or select your curriculum?

Assessments

	Assessments	Availability
Framework		
DIGCOMP	Not official – multiple choice; self-assessment	Multiple choice; self-assessment
ICDL	Performance based	In-person paid
Northstar	Multiple choice	Free online & official, in-person
Curriculum		
Compass	Pre & post test tied to module completion	Free online
Google	G Suite certification exam	Paid exam (online or in-person)
Literacy Source	Instructor skills checklist	In-class
Microsoft	Office Specialist (MOS) online test	Free online for WA residents via library. Otherwise, paid.

Putting this into practice



Use for a checklist to examine & select trainings.



Use it with a learner to set goals.



Gather with other instructors to share curriculum & assessments.



Use to guide or evaluate online services (what skills are required to use? Who has those skills? Who doesn't?).



Reference use for funding applications.

Longer-term opportunities



Post the framework so others can add their curriculum.



Plan to update the framework.



Find or encourage training development to fill skill gaps

incl. Mobile and Safety & Privacy, online misinformation threats, saving documents (locally and to cloud).



Develop more skill assessments tied to curriculum & frameworks



Promote/develop additional research and platform to add other frameworks & curriculum.

Digital Equity Network

How could this be helpful to your work?

Do you see a project that you'd like to work on here?

Thank You!

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seattle.gov/tech/initiatives/digital-equity

Supplemental materials

Approach

Compare existing digital literacy frameworks and curricula

For skills covered, not curricula quality.

Skill category	Skills	Frameworks												
		DIGCOM	Essential Digital Skill	ICDL	ISTE	Mozilla	North	Compass	Digital Literacy	ISTE	ISTE			
1	Communication	Use a messaging app to communicate with others	X	*										
2	Communication	Understand and identify the purposes of different social media platforms and online communities	X		*	X		*						
3	Communication	Post messages and media on social media	X	*	*		X	*						
4	Communication	Make Internet-based voice and video calls (using Skype, FaceTime)	X	*	*								*	
5	Communication	Understand and set privacy settings on social media	X	*	*		*	*	*	*	*	*	*	*
6	Communication	Awareness and adaptation of communication strategies to meet behavioral norms and respect user diversity (Netiquette)	X	*		X	X	*	*	*	*	*	*	*
7	Communication	Digital Collaboration	X	*	*	X	*	*	*	*	*	*	*	*
8	Communication	Understanding ways to share information with others	X		*	X	*	*	*	*	*	*	*	*
9	Creation	Design						*	*	*	*	*	*	*
#	Creation	Website creation basics - simple pages, HTML, Wordpress	X					*	*	*	*	*	*	*
11	Creation	Beginning coding/programming (understanding concepts, writing basic code)	*					*	*	*	*	*	*	*
#	Creation	Revising digital content to improve processes and product	X			X	*	*	*	*	*	*	*	*
#	Creation	Increasing the amount of open content through creation, advocacy						*	*	*	*	*	*	*
#	Creation	Creating a new digital content based on existing digital material	*			X	*	*	*	*	*	*	*	*
#	Creation	Multimedia production				X	*	*	*	*	*	*	*	*
#	Creation	Computational thinking	X			X	*	*	*	*	*	*	*	*

Connected frameworks and curriculum

Framework	Curriculum
DigComp2.1	Compass
ICDL	ICDL* (available by payment)
ISTE**	Google Applied Digital Skills (some lessons)
Mozilla Web Literacy	Mozilla Core Curriculum*
Northstar	<i>Under development*</i>

*same organization developed framework and curriculum

** other curricula map to ISTE but not focused on general adult audiences

Types of skills covers varies by framework

