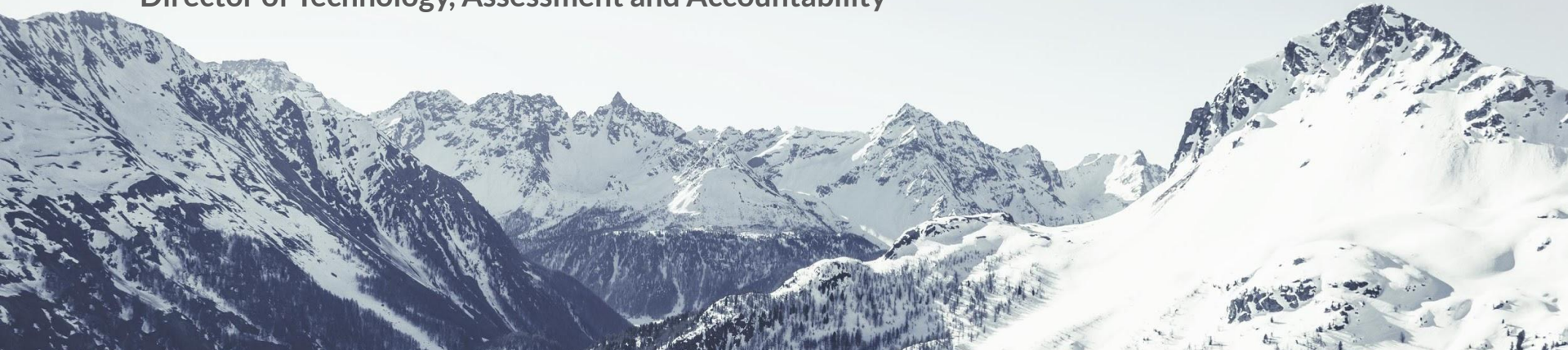# Student Technology Skills Scope and Sequence

May 20th, 2021
Tim Landeck
Director of Technology, Assessment and Accountability

agenda

- Why a Student Tech Skill Scope and Sequence (S&S)?
- The Development of LGUSD's S&S
- Dissecting & Understanding the LGUSD S&S

What is a Student Technology Skills Scope and Sequence (S&S)?

- A S&S identifies the specific grade levels when technology skills will be **Introduced** (I), **Reinforced** (R) and **Proficient** (P).
  - *Skills identified as **Optional** (O) for Grade Level are left to the discretion of the teacher who may choose to introduce the skills to the students.*
- A resource to be used by teachers to know which technology skills students are to possess when beginning the year in their classroom.
- A resource to assist teacher in identifying what technology skills their students need to acquire at specific grade levels
- A method to assure all LGUSD students exit 8th grade with a specific set of technology skills

What is LGUSD's Technology S&S?

- A *living document* to be revised as technology skills and resources change

- Skills to be **INTEGRATED** into the class curriculum - Not to be taught in a stand-alone format

- There will be no assessment or reporting of S&S skills

- 2 year transition begins August 2021

Tech S&S Actions/Activities thus far...

2018/19 TAT | 2019/20 TAT/CIA | 2020/21 TAT/CIA

- **March, 2019** - Reviewed a variety of district's Tech S&S

- **April, 2019** - Identified Long Beach Unified Tech S&S as a "starting Point" due to Content and Format - Began review of skills and timing. Provided feedback on S&S format

- **October, 2019** - Reviewed draft Tech Scope and Sequence
  - In **grade level teams**, read through <u>all skills</u> and noted <u>timing of instruction (I, R, M, O)</u>,
    - Made edits to be implemented into next draft

- **December 2019 and January 2020** - 6 Fisher Teachers Reviewed 6-8 S&S and made final edits

- **January, 2020** - **K-8 Teams** Reviewed Changes and made final edits

- **October, 2021** - All Fisher teachers reviewed S&S and identified, by subject area, the skills that are already being covered and any gaps that may need to be addressed. Teacher orientation to the S&S

- **May 2021** - All K-5 teachers reviewed S&S and identified, by grade level, the skills that are already being covered and any gaps that may need to be addressed. Teacher orientation to the S&S

Dissecting a Scope and Sequence

LGUSD's S&S is Aligned to Standards

- Common Core State Standards (CCSS) requirements for Mathematics and English Language Arts

- International Society for Technology in Education (ISTE) Standards

- Smarter Balanced Assessment Consortium (SBAC) Testing skills

CCSS - English Language Arts Anchor Standards	CCSS - Mathematics Standards	ISTE Standards for Students 2016
RL - Reading Standards for Literature; **RI - Reading Standards for Informational Text;** **W - Writing;** **SL - Speaking and Listening;** **L - Language.**	**MD – Measurement and Data** **G - Geometry** **EE - Expressions and Equations** **A - Algebra** **F - Functions** **SP - Statistics and Probability** **SMP - Standards of Mathematical Practice**	**EL – Empowered Learner** **DC – Digital Citizen** **KC – Knowledge Constructor** **ID – Innovative Designer** **CT – Computational Thinker** **CC – Creative Communicator** **GC – Global Collaborator**

Digital Literacy Category	Standards Alignment to CCSS, SBAC, ISTE	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	SBAC test taking skills	Turn on a device and login	I	R	P	P	P	P			
	SBAC test taking skills	Use pointing device such as a mouse, trackpad or finger to manipulate shapes, icons; click on urls, radio buttons, check boxes; use scroll bar	I	R	P	P	P	P			
	SBAC test taking skills	Use icons, windows and menus to open applications and documents	I	R	P	P	P	P			
	SBAC test taking skills	File management – saving and/or titling documents	O	I	R	P	P	P			
Basic Operations	W6	Keyboarding • Use proper posture and ergonomics • Locate and use letter and numbers keys with left and right hand placement. • Locate and use correct finger, hand for space bar, return/enter and shift key • Gain proficiency and speed in touch typing • Demonstrate automaticity in keyboarding skills by increasing accuracy and speed See LGUSD Keyboarding Scope and Sequence 2020 bit.ly/Keyboarding2020			O	I	R	R	R	P	P
	W6, CC	Demonstrate automaticity in keyboarding skills by increasing accuracy and speed							R	P	P
	W7,W8	Identify and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser)		I	R	I	R	R	R	R	R
	CT	Independently operate peripheral equipment (e.g., scanner, digital camera, camcorder), if available.							O	I	R
	CT	File Compression options and awareness of audience							O	I	R
	CT	Identify and use a variety of storage media (e.g. flash drives, school servers, streaming media, and online storage spaces), and provide a rationale for using a certain medium for a specific purpose.							I	R	P
Digital Literacy Category	Standards Alignment	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	W5, W6, W10	Use a word processing application to write, edit, print and save simple assignments		O	I	R	P	P			
Word Processing	W5, W6, W10	Use menu/tool bar functions (e.g. font/size/style/, line spacing, margins) to format, edit and print a document		O	I	R	P	P			
	W5, W6, W10, CC	Highlight text, copy and paste text		O	I	R	P	P			
	W5, W6, W10	• Copy and paste images within the document and from outside sources • Insert and size a graphic in a document		O	I	R	P	P			
	CC, L4	Proofread and edit writing using appropriate resources (e.g. dictionary, spell checker, grammar, and thesaurus).			O	I	R	R			
		Demonstrate use of intermediate features in word processing application (e.g.,									

Digital Literacy Category	Standards Alignment to CCSS, SBAC, ISTE	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
Basic Operations											
Digital Literacy Category											
Word Processing											

Digital Literacy Skills Categories:

- Basic Operations
- Word Processing
- Spreadsheet (Tables/ Charts and Graphs)
- Multimedia and Presentation Tools
- Mathematical Applications (Secondary only)
- Acceptable Use, Copyright and Plagiarism
- Research and Gathering Information
- Communication and Collaboration

Digital Literacy Category	Standards Alignment to CCSS, SBAC, ISTE	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	SBAC test taking skills										
	SBAC test taking skills										
	SBAC test taking skills										
	SBAC test taking skills										
Basic Operations	W6										
	W6, CC										
	W7,W8										
	CT										
	CT										
	CT										
Digital Literacy Category	Standards Alignment										
Word Processing	W5, W6, W10										
	W5, W6, W10										
	W5, W6, W10, CC										
	W5, W6, W10										
	CC, L4										

Standards Alignment

CCSS - English Language Arts Anchor Standards	CCSS - Mathematics Standards	ISTE Standards for Students 2016
RL - Reading Standards for Literature; RI - Reading Standards for Informational Text; W - Writing; SL - Speaking and Listening; L - Language.	MD – Measurement and Data G - Geometry EE - Expressions and Equations A - Algebra F - Functions SP - Statistics and Probability SMP - Standards of Mathematical Practice	EL – Empowered Learner DC – Digital Citizen KC – Knowledge Constructor ID – Innovative Designer CT – Computational Thinker CC – Creative Communicator GC – Global Collaborator

Digital Literacy Category	Standards Alignment to CCSS, SBAC, ISTE	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
Basic Operations	SBAC test taking skills	Turn on a device and login									
	SBAC test taking skills	Use pointing device such as a mouse, trackpad or finger to manipulate shapes, icons; click on urls, radio buttons, check boxes; use scroll bar									
	SBAC test taking skills	Use icons, windows and menus to open applications and documents									
	SBAC test taking skills	File management – saving and/or titling documents									
	W6	Keyboarding • Use proper posture and ergonomics • Locate and use letter and numbers keys with left and right hand placement. • Locate and use correct finger, hand for space bar, return/enter and shift key • Gain proficiency and speed in touch typing • Demonstrate automaticity in keyboarding skills by increasing accuracy and speed See LGUSD Keyboarding Scope and Sequence 2020 bit.ly/Keyboarding2020									
	W6, CC	Demonstrate automaticity in keyboarding skills by increasing accuracy and speed									
	W7,W8	Identify and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser)									
	CT	Independently operate peripheral equipment (e.g., scanner, digital camera, camcorder), if available.									
	CT	File Compression options and awareness of audience									
	CT	Identify and use a variety of storage media (e.g. flash drives, school servers, streaming media, and online storage spaces), and provide a rationale for using a certain medium for a specific purpose.									

Digital Literacy Category	Standards Alignment	Skills									
Word Processing	W5, W6, W10	Use a word processing application to write, edit, print and save simple assignments									
	W5, W6, W10	Use menu/tool bar functions (e.g. font/size/style/, line spacing, margins) to format, edit and print a document									
	W5, W6, W10, CC	Highlight text, copy and paste text									
	W5, W6, W10	• Copy and paste images within the document and from outside sources • Insert and size a graphic in a document									
	CC, L4	Proofread and edit writing using appropriate resources (e.g. dictionary, spell checker, grammar, and thesaurus).									
		Demonstrate use of intermediate features in word processing application (e.g.,									

Digital Literacy Category	Standards Alignment to CCSS, SBAC, ISTE	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	SBAC test taking skills	Turn on a device and login	I	R	P	P	P	P			
	SBAC test taking skills	Use pointing device such as a mouse, trackpad or finger to manipulate shapes, icons; click on urls, radio buttons, check boxes; use scroll bar	I	R	P	P	P	P			
	SBAC test taking skills	Use icons, windows and menus to open applications and documents	I	R	P	P	P	P			
	SBAC test taking skills	File management – saving and/or titling documents	O	I	R	P	P	P			
Basic Operations	W6	Keyboarding • Use proper posture and ergonomics • Locate and use letter and numbers keys with left and right hand placement. • Locate and use correct finger, hand for space bar, return/enter and shift key • Gain proficiency and speed in touch typing • Demonstrate automaticity in keyboarding skills by increasing accuracy and speed See LGUSD Keyboarding Scope and Sequence 2020 bit.ly/Keyboarding2020			O	I	R	R	R	P	P
	W6, CC	Demonstrate automaticity in keyboarding skills by increasing accuracy and speed							R	P	P
	W7,W8	Identify and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser)		I	R	I	R	R	R	R	R
	CT	Independently operate peripheral equipment (e.g., scanner, digital camera, camcorder), if available.							O	I	R
	CT	File Compression options and awareness of audience							O	I	R
	CT	Identify and use a variety of storage media (e.g. flash drives, school servers, streaming media, and online storage spaces), and provide a rationale for using a certain medium for a specific purpose.							I	R	P
Digital Literacy Category	**Standards Alignment**	**Skills**	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	W5, W6, W10	Use a word processing application to write, edit, print and save simple									

Key: **I –** Introduce   **R –** Reinforce   **P –** Proficient   **O –** Optional

Digital Literacy Category	Standards Alignment to CCSS, SBAC, ISTE	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	SBAC test taking skills	Turn on a device and login	I	R	P	P	P	P			
	SBAC test taking skills	Use pointing device such as a mouse, trackpad or finger to manipulate shapes, icons; click on urls, radio buttons, check boxes; use scroll bar	I	R	P	P	P	P			
	SBAC test taking skills	Use icons, windows and menus to open applications and documents	I	R	P	P	P	P			
	SBAC test taking skills	File management – saving and/or titling documents	O	I	R	P	P	P			
Basic Operations	W6	Keyboarding • Use proper posture and ergonomics • Locate and use letter and numbers keys with left and right hand placement. • Locate and use correct finger, hand for space bar, return/enter and shift key • Gain proficiency and speed in touch typing • Demonstrate automaticity in keyboarding skills by increasing accuracy and speed See LGUSD Keyboarding Scope and Sequence 2020 bit.ly/Keyboarding2020			O	I	R	R	R	P	P
	W6, CC	Demonstrate automaticity in keyboarding skills by increasing accuracy and speed							R	P	P
	W7,W8	Identify and use age-appropriate online tools and resources (e.g. tutorial, assessment, web browser)		I	R	I	R	R	R	R	R
	CT	Independently operate peripheral equipment (e.g., scanner, digital camera, camcorder), if available.							O	I	R
	CT	File Compression options and awareness of audience							O	I	R
	CT	Identify and use a variety of storage media (e.g. flash drives, school servers, streaming media, and online storage spaces), and provide a rationale for using a certain medium for a specific purpose.							I	R	P
Digital Literacy Category	Standards Alignment	Skills	K	1st	2nd	3rd	4th	5th	6th	7th	8th
	W5, W6, W10	Use a word processing application to write, edit, print and save simple assignments		O	I	R	P	P			
Word Processing	W5, W6, W10	Use menu/tool bar functions (e.g. font/size/style/, line spacing, margins) to format, edit and print a document		O	I	R	P	P			
	W5, W6, W10, CC	Highlight text, copy and paste text		O	I	R	P	P			
	W5, W6, W10	• Copy and paste images within the document and from outside sources • Insert and size a graphic in a document		O	I	R	P	P			
	CC, L4	Proofread and edit writing using appropriate resources (e.g. dictionary, spell checker, grammar, and thesaurus).			O	I	R	R			
		Demonstrate use of intermediate features in word processing application (e.g.,									

Thank You

tlandeck@lgusd.org