

LOW AND HIGH TECH ACCESSIBILITY FEATURES FOR ELA AND MATH

The impacts of COVID-19 make it essential for teachers and leaders to prepare for both in-person and virtual learning experiences during the 20-21 school year. SELF wants to ensure you have the tools to provide access to Tier 1 instruction in all settings. In this toolkit, you will find resources to support Tier 1 accessibility in a low tech and high tech capacity.

CONSIDERATIONS

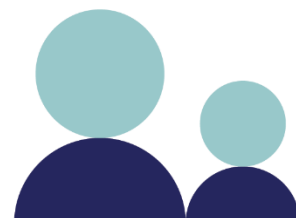
We may encounter rolling shutdowns making Distance Learning essential. Consider using the tech options during in-person instruction in order to prepare students for virtual learning. Many of these tools can be utilized to provide accommodations but should also be considered as a best practice to engage all learners.

Teachers should become familiar with these tools before introducing them to students.

GUIDING QUESTIONS

All subjects:

- 1 How can I support students with accommodations virtually?
- 2 How can I provide visual representations in my lessons?
- 3 How can I help students organize their thoughts?
- 4 How do I provide all students access to the Tier 1 curriculum?



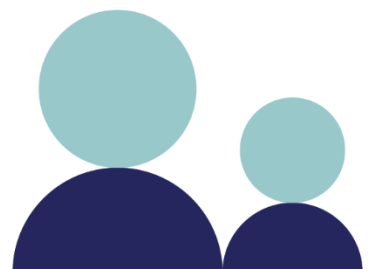
GUIDING QUESTIONS CONT.

Reading:

- 1 What physical and virtual organization tools exist for reading comprehension and writing?
- 2 How do I provide close reading support to all students?
- 3 How can I provide read aloud using technology?
- 4 How can you build or activate background knowledge about the text?
- 5 How can I support vocabulary acquisition for all students?
- 6 What are alternative modes for students to demonstrate their thinking?

Writing:

- 1 How can I provide speech to text?
- 2 How can I support students with spell check?
- 3 How can I support online text annotation?



GUIDING QUESTIONS CONT.

Math:

- 1 How can I make writing equations in a virtual setting more accessible?
- 2 How can I provide manipulatives virtually?
- 3 What graphic organizers are available for math?
- 4 How do I implement manipulatives in my classroom?

ELA TOOLS

GRADE	LOW-TECH	HIGH-TECH
K-3	<p>Printable Graphic Organizers: Education Place (English & Spanish) ThinkCERCA (Reading & Writing)</p> <p>Chunking Text: Accommodation Central</p> <p>Sentence Stems: Accommodation Central</p> <p>Printable Vocabulary Organizers: Reading A-Z Building RTI</p>	<p>Graphic Organizers: ReadWriteThink MindMup Storyboard That</p> <p>Chrome Extension: Google Read&Write (read aloud and fluency practice-free, & more features with subscription) Video about Google Read&Write Voice Typing in Google Docs (2nd-3rd)</p> <p>Presentation of Work: SeeSaw</p>

ELA TOOLS CONT.

GRADE

LOW-TECH

HIGH-TECH

3 +

Printable Graphic Organizers:
[Education Place \(English & Spanish\)](#)
[ThinkCERCA \(Reading & Writing\)](#)

Printable Vocabulary Organizers:
[Building RTI](#)

Chunking Text:
[Accommodation Central](#)

Preview Text:
[Accommodation Central](#)

Guided Notes:
[Intervention Central](#)

Chrome Extension:
[Google Read&Write](#) (read aloud and fluency practice-free, more features with subscription)
[Video about Google Read&Write Scribe](#) (annotating text and websites)
[Video on Scribe](#)

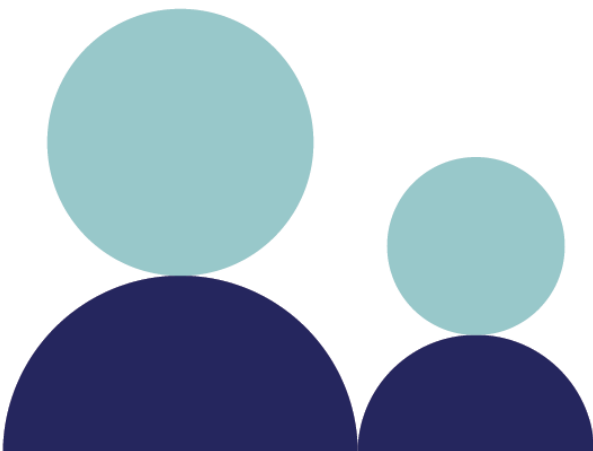
Graphic Organizers:
[ReadWriteThink](#)
[MindMup](#)
[Storyboard That](#)

Discussion:
[Vocaroo](#)
[Flipgrid](#)
[VoiceThread](#)

Speech to Text:
[Speechnotes](#)
[SpeechTexter](#)
[Voice Typing in Google Docs](#)

Presentation of Work:
[Google Slides](#)
[Prezi](#)
[Storyboard That](#)
[Screencastify](#)

SELF Webinar:
[Supporting Students on Google Platforms Webinar](#)



MATH TOOLS

GRADE	LOW-TECH	HIGH-TECH
K-3	<p>Ten Frames and Dot Talks: K-5 Math Teaching Resources Helping with Math</p> <p>How to Implement Math Manipulatives: Stress Free Math for Kids</p> <p>Printable Place Value Charts: Acentral Education</p> <p>Printable Number Lines: Helping with Math</p> <p>Printable Charts & Graphic Organizers: Teacher Vision</p>	<p>Virtual Manipulatives: Math Playground Didax Glencoe (flash player needed) Virtual Manipulative Reference Sheet Virtual Accessibility Features Webinar</p>
3+	<p>Scaffolding Multi-Step Problems: Accommodation Central</p> <p>Say, Ask, Check Strategy: Intervention Central (cognitive and metacognitive support)</p> <p>How to Implement Math Manipulatives: Stress Free Math for Kids</p> <p>Printable Charts and Graphic Organizers: Teacher Vision</p>	<p>Chrome Extension: EquatIO (speech to text, draw equations vs type equations) Video about EquatIO (free version and subscription version)</p> <p>Virtual Manipulatives: Math Playground (K-6) Didax (K-6) Glencoe (K-8)</p> <p>Calculators: Desmos Graphing Calculator Desmos Four Function Calculator GeoGebra Scientific Calculator GeoGebra 3D Calculator</p> <p>SELF Created Resources: Virtual Manipulatives Reference Sheet Virtual Accessibility Features Webinar</p>