

Reading for meaning is a complex skill that needs to be taught. Once mastered, this skill opens opportunities for a lifetime of learning. Yet everyday, students in ALL grades and ALL subjects struggle with reading. The student may have an identified disability affecting reading, be an English Language Learner, or may have an unidentified challenge. Traditional text may be a barrier to these students as well as those with visual or physical challenges.

What you may be noticing...

- Reading below grade level
- Avoiding reading tasks
- Losing their place while reading
- Difficulty sounding out or recognizing words
- Not understanding what was read
- Challenges with spelling and writing
- Difficulty connecting prior knowledge
- Attention challenges during reading activities
- Reading tasks taking longer to complete
- Guessing, skipping words, & replacing words
- Lacking confidence and motivation to read

WRITING

Writing is an essential literacy skill and key to academic achievement across the curriculum. The writing process can be challenging because our brains work in a non-linear way, with thoughts and images floating around. Our expectation is that students learn how to organize their thoughts and ideas, write them legibly (handwriting & keyboarding), and use correct grammar, spelling, and punctuation.

What you may be noticing...

- Legibility challenges, incorrect letter formation & spacing, frequent erasing
- Handwriting isn't legible to an unfamiliar reader or to the student
- Work is not completed in the same amount of time as peers
- Attention challenges during writing activities
- Unusual grasp of the pencil
- Hand fatigue, writing slowly/painstakingly
- Avoiding writing tasks
- Trouble organizing ideas & information
- Seems overwhelmed with writing tasks

www.openaccess-ca.org/at-flipkit

<http://www.joyzabala.com/>

<http://www.wati.org/>

<https://qiat.org/>

<http://aem.cast.org/>

<https://www.atia.org/>

This resource has been created for you by:

 **OPEN ACCESS**
www.openaccess-ca.org
 @PCOE_OPENACCESS 

Our Partners:



PLACER COUNTY
SELPA

ccee
California Collaborative
for Educational Excellence

Updated November 2024

DIGITAL TOOLS & Supports Guide

Building mathematical skills is not only for next generation scientists and engineers. Students struggling with math may have challenges with basic life skills such as paying bills, creating budgets, and arriving to work on time. Math skills can affect which careers are within reach and struggles can reduce career options which a student may otherwise be interested in pursuing. Ultimately, math helps us develop skills for all sorts of problem solving.

What you may be noticing...

- Legibility issues, lining up numbers
- Trouble recognizing numbers & symbols
- Difficulty recalling math concepts
- Difficulty estimating, telling & managing time
- Challenges with thinking flexibly
- A negative mindset about math
- Distraction or lacking focus & interest
- Easily frustrated, absences, missing homework
- Challenges with game rules & keeping score
- Becomes anxious about tests & quizzes

EXECUTIVE FUNCTION

Executive Functions (EF) are a complex set of cognitive processes working together to help us with organizing, planning, strategizing, recalling details, and paying attention. EF support impulse control, emotional control, and mental flexibility. EF dysfunction can negatively impact students as they advance through school and the expectations of completing work independently increases.

What you may be noticing...

- Struggle to keep track of & turn work in on time
- Trouble thinking before acting
- Procrastination, task-initiation
- Missing or lost assignments
- Difficulty persisting during challenges
- Following directions is difficult
- Forgetting the steps in a process
- Difficulty with self-reflection
- Resistant to make edits to a final product
- Messy desk & papers, can't find materials

SAP
STUDENT
ACCESS
Planning

The intended use of this guide is to assist the student's team during the annual Assistive Technology Consideration discussion.

READING

Low-No-Tech, & Built-in Tools

- Reading Guides ■ Sticky Notes
- Page Holder ■ Slant board
- Highlighter tape

Chrome/ChromeOS: Spoken feedback & ChromeVox, high-contrast, magnifier & zoom, increase cursor, high-contrast mode

Win/Microsoft: Text-to-speech, read-mode, zoom, increase cursor, color filters, Tell Me, magnifier, Seeing AI, Immersive Reader

iOS/OSX: Speak selection, speak screen, zoom, safari reader, summarize

Digital Tools & Resources

Digital Text, Audiobooks, Multi-Sensory Literature & Content

- Bookshare >>>
- LearningAlly >>>
- Gutenberg >>>
- StorylineOnline >>>
- Epic! >>>
- ReadWorks >
- DoGoNews >
- CommonLit >
- Simple English Wikipedia >

Text-to-Speech (TTS)

- Read&Write >>>
- Natural Reader >
- Read Me >
- Immersive Reader >>>
- Voice Instead >
- Speak Screen >>

Optimize Visual Information & Reduce Clutter

- Postlight Reader >
- Open Dyslexic Font >
- Read&Write >>>
- Visor >
- Safari Reader >>
- Immersive Reader >>>

Comprehension Support

- Highlighter add-on for gDocs >
- TedEd >
- My Dictionary >
- Into the Book/PBS >
- Read&Write vocabulary tools >>>
- Immersive Reader vocabulary tools >>>
- Insert Learning >

Authoring Tools & Adapted Literature

- Book Creator >>>
- Clicker >>>
- Monarch Reader >
- Book Templates for Google Slides >
- Sherlock Center >

WRITING

Low-No Tech, & Built-in Tools

- Pencil grip ■ Slant board ■ Wikki Stix
- Wrist/Mouse supports ■ Adapted paper
- Graphic organizer ■ Adapted mouse
- Sticky notes ■ Letter stamps
- Dictionary ■ Dry-erase board

Chrome/ChromeOS: Voice typing, spell check, dictionary, thesaurus, keyboard shortcuts

Win/Microsoft: Check document: spell check, grammar check word count, read aloud, word/text prediction, keyboard shortcuts, sticky-keys

iOS/OSX: Dictation, Siri, predictive text, keyboard shortcuts, sticky-keys

Digital Tools & Resources

Legibility Support

- Read&Write >>>
- WordQ >>>
- Mod Math >>
- Word Wizard >>>
- Dexterity >>
- WriteMyName >>
- Voice Typing in gDocs >
- Dictation in iOS >>

Supporting Composing & Organizing

- Drawing in gDoc > (graphic organizer)
- TextHelp Study Skills >
- Notability >>
- LucidCharts >
- EasyBib >
- Google Keep >
- Translate tool >>

Annotating Worksheets & PDFs

- KAMI >
- OrbitNote from Texthelp >>>
- SnapTypePro >>
- GoWorksheet Maker >>
- Adobe DC >>>

Supporting Participation & Digital Skill Building

- TapTyper >>
- Touch Trainer >>
- Miss Sue's Keyboarding Fun >>>
- Keyboarding without Tears >>>
- Type2Learn >>>
- Typing.com >
- TypingClub.com >

MATH

Low-No Tech, & Built-in Tools

- Adapted graph paper ■ Wikki Stix
- Manipulatives ■ Multi-use slant board
- Dry-erase graph board ■
- Giant display calculator
- Talking calculator ■ Mathline/Abacus

Chrome/ChromeOS: Insert equation, insert table, insert shapes, insert special characters, Google Sheets

Win/Microsoft: Insert equation, insert symbol, insert chart, insert shapes, insert special characters, Microsoft Excel

iOS/OSX: Insert equation, insert symbols, grapher, insert table, Numbers

Digital Tools & Resources

Legibility Support

- EquatIO >
- ModMath >>
- KAMI (premium) >
- IssieCalc >>>
- Insert Equation in Google Docs >>
- Dexterity >>
- Montessori Numbers >>>

Concept Building & Virtual Manipulatives

- Math Learning Center >>>
- DESMOS >>>
- Khan Academy >>>
- Issie Dice >>
- Montessori Numbers >>
- Illuminations >
- Kiwi Math >
- TedEd >
- Visnos >
- SplashLearn >
- Xtra Math >>>
- Dollars & Cents >>
- Khan Academy Kids >>>



Key

- > Chrome/Web
- >> iPad
- >>> Multi-platform

EXECUTIVE FUNCTION

Low-No Tech, & Built-in Tools

- Graphic organizers ■ Planners
- Checklists ■ Adapted binder ■ StickyNotes
- Flipbooks ■ Charts ■ Timers ■
- Progress charts ■ Rubrics ■ Templates
- Scaffolds ■ Clear goals & Objectives

Chrome/ChromeOS: Google Calendar, highlight tool, drawing tool to create mind maps/graphic organizers

Win/Microsoft: Outlook, OneNote,

iOS/OSX: Calendar, screenshot markup

Digital Tools & Resources

Organizing & Prioritizing

- Google Keep >
- Google Calendar >
- Timer Extension >
- Simple ToDo List >
- ChoiceWorks >>
- Padlet >>>
- Time Timer >
- Picture Scheduler >>>
- Class Dojo >>>
- MyHomework Reminder >

Flexible Thinking (Games)

- All You Can ET >>
- Spott!
- Story Cubes
- Jenga
- GoNoodle >>>
- Quiddler
- Rummikub
- Max

Working Memory

- GoNoodle >>>
- My Homework Reminder >
- Google Keep >
- Mnemonics
- Simple ToDo List >
- Digital Charts & Graphics

Self-Monitoring & Self-Checking

- Student Data Binder
- Google Sheets >

More Resources

- SMARTS Resource: smarts-ef.org
- Understood.org
- ClassroomScreen.com