

ASSISTIVE TECHNOLOGY EVALUATION FLOWCHART

FOR
STUDENTS WITH VISUAL IMPAIRMENTS

SECTION 1:
NO VISION

SECTION 2:
LOW VISION

It is the policy of Region 10 Education Service Center not to discriminate on the basis of race, color, national origin, gender or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 503 and 504 of the Rehabilitation Act of 1973, as amended. Region 10 Education Service Center will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational programs and services.

READING

Embossed Braille

Textbooks

Commercially Brailled Materials

Locally Brailled Materials

Braille Translation Software

Nemeth Translation Software

Graphics Production Software

Braille Embosser

Braille Embosser with Interlining Capabilities

Braille Embosser with Graphics Capabilities

Thermal Activated Swell Paper Devices (PIAF/TIE)

Refreshable Braille

Braille Notetaker

Refreshable Braille Display+Laptop/ Tablet/iPad/SmartPhone

Digital Audio Media

Device

Daisy or MP3 player

Computer

Tablet/iPad

Braille Notetaker

Content

Learning Ally

Bookshare

National Library Service/BARD

Mainstream Audiobook Sources

Conversion Software/Apps

Extraction Software/Apps

NO VISION

WRITING

Braille (6 key entry)

Perkins
Braillewriter

Braillewriter with
Auditory Feedback

Braille Notetaker

Refreshable Braille
Display
+ Tablet/iPad/
Laptop

Keyboarding

Auditory
Keyboarding
Instruction Software

Instruction in
keyboard
commands/

Screen Reading
Software

Standard QWERTY
keyboard

Braille key stickers
for keyboard

Alternate
keyboards/input

Dictation

Human Scribe

Voice Recordings

Dictation Software

MATH

Math Manipulatives	Talking Calculator	Graphing Calculator	Tactile Graphics
Same as those used by sighted peers	Simple talking calculator	Standard graphing calculator with auditory graphing features	Commercially Produced
Abacus	Scientific talking calculator		Hand-made
Specialized tactile math manipulatives	Calculator included on Braille Notetaker device	Auditory Graphing Calculator software	Collage
	Calculator included on Tablet/iPad/Laptop		Produced locally by graphics-enabled embosser
			Produced locally by thermal activated swell paper devices (PIAF/TIE)

Expanded Core Curriculum

NO VISION

General Assistive Technology Considerations

Calendar Use

Address Book/
Contacts List

Email Use

GPS Use

Internet Access

Electronic File
Storage: Physical &
Cloud Based

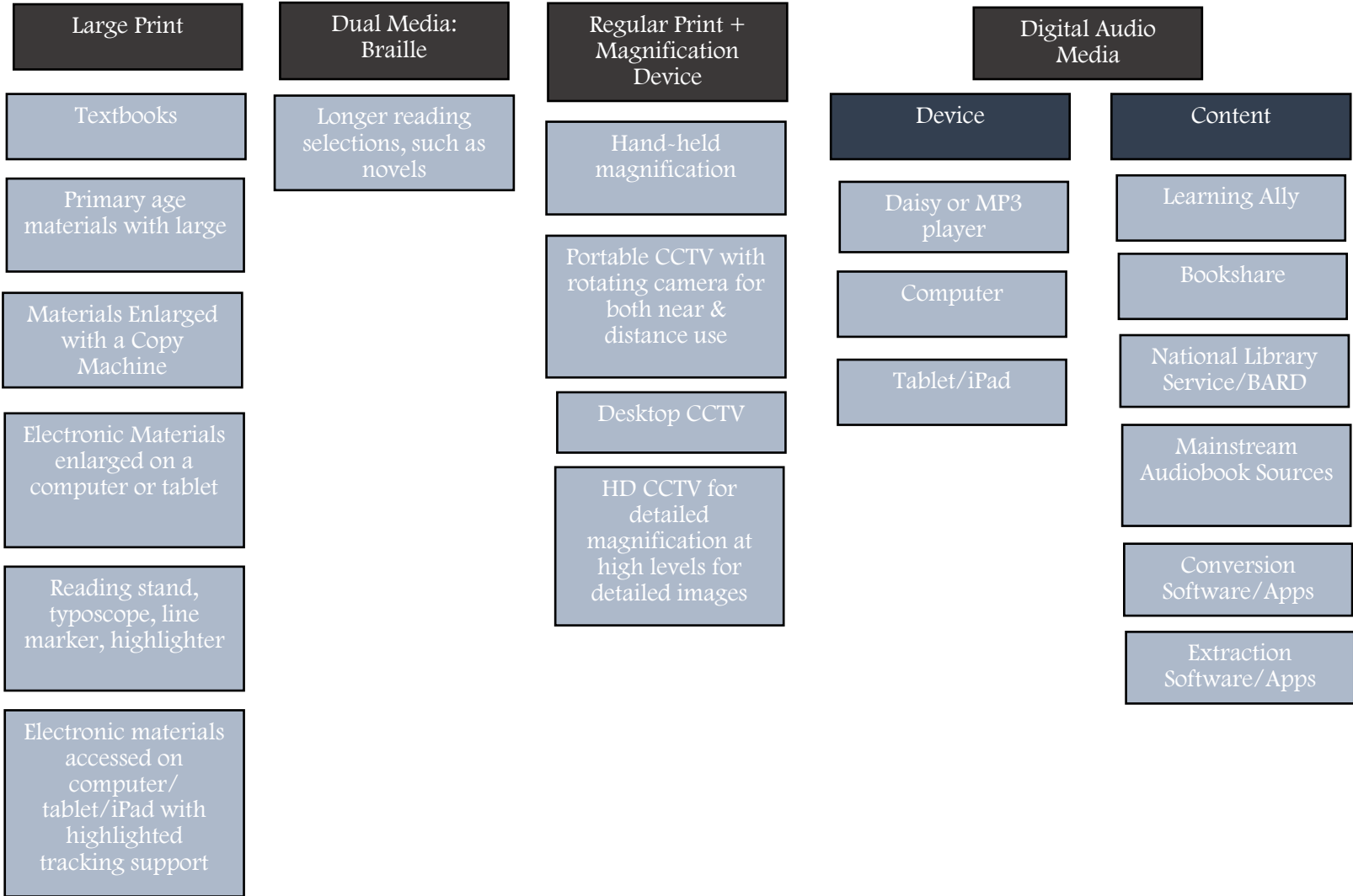
Scan & Read Technology

Stand
Alone
Dedicated
Device

Scanner
+
Computer
+Software

Tablet/
iPad/
Smart
Phone
+Scanning
App

READING



WRITING

Handwriting	Dual Media: Braille 6 key entry	Touch Screen Selection	Keyboarding	Dictation
Same as sighted peers	Braillewriter	Visual keyboards on touch screen enabled monitors/ tablets/iPads	Standard QWERTY keyboard	Human Scribe
Handwriting under a magnification device	Braillewriter with auditory feedback		Large Print key stickers for	Voice Recordings
Bold line paper, graphite pencils, 20/20 pens	Refreshable Braille Display+Laptop/ Tablet/iPad/SmartPhone		Alternate keyboards/input methods	Dictation Software
Stylus used with annotation app on Tablet/iPad			Bluetooth keyboard + Tablet/iPad	
			Auditory Keyboarding Instruction Software	
		Instruction in navigational keyboard commands/ shortcuts		
		Screen Magnification Software		
		Supplemental Screen Reading Software		

MATH

Math Manipulatives

Same as those used by sighted peers

View under magnification device as needed

Large Print rulers, protractors, number lines, etc.

Talking Calculator

Simple talking calculator

Scientific talking calculator

Calculator included on Tablet/iPad/Laptop

Graphing Calculator

Standard graphing calculator with auditory graphing features

Standard graphing calculator viewed with magnification device

External Monitor attached to graphing calculator

Auditory Graphing Calculator software

Large Screen/
Large Key
Calculator

Expanded Core Curriculum

