



**Montana Aligned to Standards Through-Year (MAST)**  
**Math & ELA Accommodations and Accessibility Crosswalk Document**  
*to be used for SY2024-2025 Statewide Administration for any Educational Plans not yet updated to MAST*

## **Math Accommodations**

**BOLD** Accommodations must be entered in Kite as PNP Settings

<b>SBA Accommodation</b>	<b>MAST Accessibility Tool</b>	<b>MAST Support Type</b>	<b>MAST Accommodation Notes</b>
<b>Math Embedded</b>			
Breaks			see Breaks (non-embedded)
Calculator [Items Only Grades 6-8] (Embedded)	Calculator - Basic	Universal Feature	Performs the basic four functions: addition, subtraction, multiplication, and division. Select math tests in grades 6-8 only.
Color Choices	<b>Color Contrast</b>	Designated Support	Sets a text color (foreground) and background color with foreground/background options for grey/black, yellow/black, green/white, red/white, or custom options.
	<b>Color Overlay</b>	Designated Support	Displays a light-colored background on the screen with options for blue, yellow, grey, red, green, or custom options.
	<b>Reverse Contrast</b>	Designated Support	Sets the text color to white and the background color to black. If a color contrast other than black and white is selected, those colors will be inverted.

Digital Notepad	Notes	Universal Feature	Displays a rectangle on the screen that allows a student to take notes.
English Glossary			Not needed
Expandable Passages/Items			Not needed
Highlighter	Highlighter	Universal Feature	Selects text on the screen and highlights the selected text using a pink background.
Illustration Glossaries			Not needed
Keyboard Navigation	Keyboard Navigation	Universal Feature	Uses keystrokes to navigate and select options.
Line Reader	Guideline	Universal Feature	Follows the pointer and lightly highlights the text of a reading passage line by line. On tablets, drags an icon attached to the highlight line through the passage.
Mark for Review	Mark for Review	Universal Feature	Marks a question for later review.
Masking	Masking - Custom	Universal Feature	Masks or covers parts of an assessment. A black box displays for moving and resizing over areas of the screen.
	<b>Masking - Answer Choices</b>	Designated Support	Shows each multiple-choice response option as masked. To close or remove the masked areas, select the X for each box.
Math Tools	Library	Universal Feature	Math Reference sheets for grades 5-8
Mouse Pointer (Size and Color)			Not available
Sign Language	<b>American Sign Language (ASL)</b>	Accommodation	A video displays ASL interpretation of content within the assessment platform.
Speech-to-Text (Embedded)			Not needed (no math keyed responses) <b>Scribe</b> may be used
Spell Check			Not needed (no math keyed responses)

Streamlined Mode			Not available
Strikethrough	Striker	Universal Feature	Places a line through a multiple-choice answer choice that is not desired.
Text to Speech - Spanish (Items Only)	<b>Text to Speech: Text &amp; Graphics and Spanish Form</b>	Designated Supports	A synthetic voice reads assessment content in Spanish, including instructions, response options, and explanations of visuals like pictures and graphs.
	<b>Spanish Form and Read-Aloud: Items Only</b>	Designated Supports	Spanish text is read aloud to the student by a trained and qualified human reader who follows the administration guidelines provided in the Test Administration Manual.
Text-to-Speech (Items Only) <i>or</i> Text-to-Speech (Items and Stimuli) <i>or</i> Text-to-Speech (Stimuli Only)	<b>Text to Speech: Text &amp; Graphics</b>	Designated Support	A synthetic voice reads assessment content including instructions, response options, and explanations of visuals like pictures and graphs. Voice reads in the language in which the form is written.
Translated Test Directions (Embedded)	<b>Spanish Form</b>	Designated Support	Spanish directions are included on the Spanish form. Other languages are available outside of the system in the MAST Portal.
Translations (Glossaries) (Embedded)			Not needed
Translations (Stacked)-Now Toggle	<b>Spanish Form</b>	Designated Support	Sets the language of the testlet forms to Spanish.
Turn Off Any Universal Tools			Not available
Word Prediction			Not needed (no math keyed responses)
Writing Tools			Not needed (no math keyed responses)

Zoom	<b>Magnification</b> and Screen Magnification	Designated Support & Universal Feature	Automatically set the zoom level (Designated Support) to magnify (zoom) the screen upon login to 2.0X, 3.0X, 4.0X or 5.0X; also available as a Universal Feature.
	Eraser	Universal Feature	Removes highlighting and striker marks from the screen.
	Help	Universal Feature	The Help text bubble explains how to answer the question based on the question type.
<b>Math Non-Embedded</b>			
100's Number Table (math)	100's Table	Accommodation	A paper-based table listing numbers from 1–100.
Abacus (math)	Abacus	Accommodation	This tool may be used in place of scratch paper for students who typically use an abacus.
Alternate Response Options	Alternate Response Options	Accommodation	Alternate response options include but are not limited to adapted keyboards, large keyboards, Sticky Keys, Mouse Keys, Filter Keys, adapted mouse, touch screen, head wand, and switches.
Amplification	Amplification	Designated Support	The student adjusts the volume control beyond the computer's built-in settings by using headphones or other non-embedded devices.
Breaks	Breaks	Universal Feature	Breaks may be given at predetermined intervals, or after the completion of a single testlet if multiple are being administered in one session. Students may be allowed to take breaks as needed to reduce cognitive fatigue. The use of this universal tool may result in the student needing additional time to complete the assessment.
Calculator [Items Only Grades 6-8] (Non-Embedded) Or Specialized Calculator [Grades 6-8 Items Only]	Specialized Calculator	Accommodation	Performs the basic four functions: addition, subtraction, multiplication, and division. Select math tests in grades 6-8 only. Non-embedded, standalone tool for students needing a specialized calculator, such as a braille or talking calculator currently unavailable within the assessment platform.

Color Contrast (non-embedded)	Color Contrast on Paper Form	Accommodation	Test content of online items may be printed using different colors.
Color Overlay (non-embedded)	Color Overlay on Paper Form	Accommodation	Color transparencies are placed over a paper-based assessment.
Magnification	Magnification	Designated Support	The size of specific areas of the screen (e.g., text, formulas, tables, graphics, navigation buttons, and mouse pointer) may be adjusted by the student with an assistive technology device or software. Magnification allows increasing size and color contrast, including the size and color of the mouse pointer, to a level not provided by the zoom universal tool and/or color contrast designated support.
Medical Supports	Medical Supports	Designated Support	Students may have access to medical supports (e.g., a glucose monitor) for medical purposes. The medical support may include a cell phone and should only support the student for medical reasons.
Multiplication Table	Multiplication Table	Accommodation	A paper-based multiplication table with the numbers 1–12.
Noise Buffers	Noise Buffers	Designated Support	Ear mufflers, white noise, and/or other equipment used to block external sounds.
Print on Request	<b>Paper Form: Regular</b>	Accommodation	Paper forms are available for all testlets. Requests must be approved by OPI through the MontCAS application.
Read Aloud (Items & Stimulus) or Read Aloud Stimuli	Read Aloud: Items Only	Designated Support	Text is read aloud via an external screen reader or by a trained human reader.
Read Aloud in Spanish	Read Aloud: Items Only <u>and</u> <b>Spanish Form</b>	Designated Support	Spanish text is read aloud to the student by a trained and qualified human reader who follows the administration guidelines provided in the Test Administration Manual.

Scratch Paper	Scratch Paper	Universal Feature	Students may use blank scratch paper to make notes, write computations, record responses, or create graphic organizers. A whiteboard with a marker may be used as scratch paper. After the testing session, scratch paper must be collected and destroyed, and whiteboards fully erased.
Scribe Items (Non-writing)	Scribe	Designated Support	Students may dictate their responses to a human who records verbatim what they dictate. The scribe must be trained and qualified and must follow the administration guidelines.
Separate Setting	Separate Setting	Designated Support	Test location is altered so that the student is tested in a setting different from what is available for most students.
Simplified Test Directions	Simplified Test Directions	Designated Support	The test administrator simplifies or paraphrases the test directions contained in the Test Administration Manual.
Translated Test Directions (Non-Embedded)	Translated Test Directions	Designated Support	PDF of directions translated in each of the languages currently supported. An adult can read these to a student. Directions are available on the MAST Program Portal.
Translations (Glossaries) (Non-Embedded)			Not needed
Word Prediction			Not needed (no math keyed responses)
	<b>Braille</b>	Accommodation	A form of the testlets will be available for districts to request. Requests must be approved by OPI through the MontCAS application.
	Library	Universal Feature	Printed Reference Sheets can be made available to students who test online or on a paper form.
	<b>Paper Form: Large Print</b>	Accommodation	Paper forms are available for all testlets. Requests must be approved by OPI through the MontCAS application. The form would need to be printed by the district in a larger size.

	<b>Paper Form: Spanish</b>	Accommodation	Spanish paper forms are available for all math testlets. Requests must be approved by OPI through the MontCAS application.
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## **ELA Accommodations**

**BOLD** Accommodations must be entered in Kite as PNP Settings

SBA	MAST	Support Type	MAST Notes
<b>ELA Embedded</b>			
Breaks			see Breaks (non-embedded)
Closed Captioning (Listening Items)	Open Captioning	Universal Feature	Printed text that appears on the computer screen as audio materials are presented.
Color Choices	<b>Color Contrast</b>	Designated Support	Sets a text color (foreground) and background color with foreground/background options for grey/black, yellow/black, green/white, red/white, or custom options.
	<b>Color Overlay</b>	Designated Support	Displays a light-colored background on the screen with options for blue, yellow, grey, red, green, and custom options.
	<b>Reverse Contrast</b>	Designated Support	Sets the text color to white and the background color to black. If a color contrast other than black and white is selected, those colors will be inverted.
Digital Notepad	Notes	Universal Feature	Displays a rectangle on the screen that allows a student to take notes.
English Glossary	English Glossary	Universal Feature	Grade and context appropriate definitions of specific construct-irrelevant terms are shown in English on the screen at the end of the passage.

Expandable Passages/Items	Expandable passage/questions	Universal Feature	On items that have a passage and question, students can drag the divider bar or select options to full screen the question, passage, or both.
Highlighter	Highlighter	Universal Feature	Selects text on the screen and highlights the selected text using a pink background.
Keyboard Navigation	Keyboard Navigation	Universal Feature	Uses keystrokes to navigate and select options.
Line Reader	Guideline	Universal Feature	Follows the pointer and lightly highlights the text of a reading passage line by line. On tablets, drags an icon attached to the highlight line through the passage.
Mark for Review	Mark for Review	Universal Feature	Marks a question for later review.
Masking	Masking - Custom	Universal Feature	Masks or covers parts of an assessment. A black box displays for moving and resizing over areas of the screen.
	<b>Masking - Answer Choices</b>	Designated Support	Shows each multiple-choice response option as masked. To close or remove the masked areas, select the X for each box.
			Not Available
Sign Language	<b>American Sign Language (ASL)</b>	Accommodation	A video displays ASL interpretation of content within the assessment platform.
Speech-to-Text (Embedded)	<b>Speech-to-Text</b>	Accommodation	Embedded voice recognition allows students to use their voices as input devices to the computer to dictate responses. ELA Performance Task only.
Spell Check	Spell Check	Universal Feature	Tool for checking the spelling of words in student responses. ELA Performance Task only.
Streamlined Mode			Not available
Strikethrough	Striker	Universal Feature	Places a line through a multiple-choice answer choice that is not desired.



Text to Speech (Items Only) or Text to Speech (Items and Stimuli) or Text to Speech (Stimuli Only)	<b>Text to Speech: Text &amp; Graphics</b>	Designated Support	A synthetic voice reads assessment content including instructions, response options, and explanations of visuals like pictures and graphs. Voice reads in the language in which the form is written.
Text to Speech (Passages Only)	<b>Text to Speech: Non-Visual</b>	Accommodation	A synthetic voice reads assessment content including instructions, response options, explanations of visuals like pictures and graphs, <u>and ELA passages</u> . Voice reads in the language in which the form is written.
Turn Off Any Universal Tools			Not available
Word Prediction			see Word Prediction (Non-Embedded)
Writing Tools	Writing Tools	Universal Feature	Selected writing tools (i.e., bold, italic, bullets) are available for ELA Performance Tasks.
Zoom	<b>Magnification</b> and Screen Magnification	Designated Support & Universal Feature	Automatically set the zoom level (Designated Support) to magnify (zoom) the screen upon login to 2.0X, 3.0X, 4.0X or 5.0X; also available as a Universal Feature
	Eraser	Universal Support	Removes highlighting and striker marks from the screen.
	Help	Universal Support	The Help text bubble explains how to answer the question based on the question type.
<b>ELA Non-Embedded</b>			
Alternate Response Options	Alternate Response Options	Accommodation	Alternate response options include but are not limited to adapted keyboards, large keyboards, Sticky Keys, Mouse Keys, Filter Keys, adapted mouse, touch screen, head wand, and switches.
Amplification	Amplification	Designated Support	The student adjusts the volume control beyond the computer's built-in settings by using headphones or other non-embedded devices.

Bilingual Dictionary (non-embedded)	Bilingual Dictionary	Designated Support	A bilingual/word dictionary is a language support. A bilingual/word dictionary can be provided for the ELA performance tasks.
Breaks	Breaks	Universal Feature	Breaks may be given at predetermined intervals, or after the completion of a single testlet if multiple are being administered in one session. Students may be allowed to take breaks as needed to reduce cognitive fatigue. The use of this universal tool may result in the student needing additional time to complete the assessment.
Color Contrast (non-embedded)	Color Contrast on Paper Form	Accommodation	Test content of online items may be printed using different colors.
Color Overlay (non-embedded)	Color Overlay on Paper Form	Accommodation	Color transparencies are placed over a paper-based assessment.
Magnification	Magnification	Designated Support	The size of specific areas of the screen (e.g., text, formulas, tables, graphics, navigation buttons, and mouse pointer) may be adjusted by the student with an assistive technology device or software. Magnification allows increasing size and color contrast, including the size and color of the mouse pointer, to a level not provided by the zoom universal tool, color contrast designated support, and/or mouse pointer designated support.
Medical Supports	Medical Supports	Designated Support	Students may have access to medical supports (e.g., a glucose monitor) for medical purposes. The medical support may include a cell phone and should only support the student for medical reasons.
Noise Buffers	Noise Buffers	Designated Support	Ear mufflers, white noise, and/or other equipment used to block external sounds.
Print on Request	<b>Paper Form: Regular</b>	Accommodation	Paper forms are available for all testlets. Requests must be approved by OPI through the MontCAS application.
Read Aloud (Items & Stimulus)	Read Aloud: Items & ELA Passages	Accommodation	Text is read aloud to the student by a trained and qualified human reader. Human reader also read ELA passages.

Read Aloud Stimuli	Read Aloud: Items Only	Designated Support	Test is read aloud to the student by a trained and qualified human reader.
Scratch Paper	Scratch Paper	Universal Feature	Students may use blank scratch paper to make notes, write computations, record responses, or create graphic organizers. A whiteboard with a marker may be used as scratch paper. After the testing session, scratch paper must be collected and destroyed, and whiteboards fully erased.
Scribe (Writing)	Scribe: Writing	Accommodation	Students may dictate their responses to a human who records verbatim what they dictate. The scribe must be trained and qualified and must follow the administration guidelines. Includes ELA Performance Tasks.
Scribe Items (Non-writing)	Scribe	Designated Support	Students dictate their responses to a human who records verbatim what they dictate. The scribe must be trained and qualified and must follow the administration guidelines. Does not include ELA performance tasks.
Separate Setting	Separate Setting	Designated Support	Test location is altered so that the student is tested in a setting different from what is available for most students.
Simplified Test Directions	Simplified Test Directions	Designated Support	The test administrator simplifies or paraphrases the test directions contained in the Test Administration Manual.
Translated Test Directions (Non-Embedded)			Not available for ELA testlets

Word Prediction	Word Prediction Software	Accommodation	<p>Word prediction allows students to begin writing a word and choose from a list of words predicted from word frequency and syntax rules. Word prediction is delivered via a non-embedded software program that uses only single word prediction.</p> <p>Functionality such as phrase prediction, predict ahead, or next word must be deactivated. The program must have settings that allow only a basic dictionary. Expanded dictionaries, such as topic dictionaries and word banks, must be deactivated.</p> <p>Phonetic spelling functionality or speech output may be built into the program and will read back the information the student has written. If further supports are needed for speech output, see the text to speech or read aloud policies. Students who use word prediction in conjunction with speech output will need headphones, unless tested individually in a separate setting. Students may use their own assistive technology devices.</p>
	ASL Interpreter	Accommodation	A human ASL interpreter is provided to the student to interpret items and responses. For ELA listening items.
	<b>Braille</b>	Accommodation	A form of the testlets will be available for districts to request. Requests must be approved by OPI through the MontCAS application.
	Dictionary	Universal Feature	An English dictionary may be provided for the performance tasks. ELA Performance Task only
	English Glossary	Universal Feature (Embedded)	Grade and context appropriate definitions of specific construct irrelevant terms are shown in English at the end of the passage. ELA Performance Tasks only.
	<b>Paper Form: Large Print</b>	Accommodation	Paper forms are available for all testlets. Requests must be approved by OPI through the MontCAS application. The form would need to be printed by the district in a larger size.
	Thesaurus	Universal Feature	An English thesaurus may be provided for use with the performance tasks. ELA Performance Task only.