

## Technology Skills for Computer-Based Assessment

Please note that all skills begin in grade 3 (unless otherwise noted), and that the complexity of tools may vary by grade. This list is subject to change as it is based on the currently available tools. See the PARCC Tools, Accessibility Features, and Accommodations Available for Student Practice document for more information about resources available for practicing these skills:

<http://www.parcconline.org/sites/parcc/files/parcc-tools-accessibility-features-and-accommodations-available-for-student-practice.pdf>

	Technology Skill for Online Assessments	Notes/Examples
General Navigation	Ability to use and find navigation buttons	login, logout, username, password, save and resume, quit
	Basic pointer skills and selection with mouse	clicking and moving a mouse / clicking and moving on a tablet
	Tabbed browsing	familiarity with using tabbed browsing similar to the function used in browsers
	Keyboarding	using a keyboard to compose and edit a response; cut/copy/paste using keyboard shortcuts (ctrl+x, ctrl+c, ctrl+v)
	Scrolling	using scroll bars horizontally, vertically, possibly within a page
	Using an onscreen video/audio player	using online video and audio players to access multimedia content
Universal Access Features	Magnifier/zoom features	familiarity with Universal Access features to magnify or zoom
	Pop-up glossary	familiarity with Universal Access features to define words
	Background/text color	familiarity with Universal Access features to alter background and text color when needed
	Text-to-speech (TTS)	familiarity with Universal Access features specifically using Text-to-Speech
	Answer masking	familiarity with Universal Access features for reducing available response options
General Answering	Constructed response and fill in the blank (limited and unlimited characters)	using finite space to fill in a blank or using a text box that will grow as you type, and knowing the difference between the two
	Eliminate choice	ability to use strikethrough or other answer eliminating tools
	Line reader/line guide	use of a digital line guide to aide in reading text on a screen
	Drag and drop	understanding of individual drag and drop versus infinite cloner drag and drop objects
	Hot spots	understanding that clicking on certain parts of a picture/diagram may yield more information or provide answer selections
	Drop down menus	using drop down menus for selection purposes
	Highlighting text	ability to use mouse/pointer to highlight text in an on-screen environment
	Writing tools	text box with scroll bar for extended text entry; ability to use basic formatting features (e.g. font, size, bold, italics, underline, bulleting, numbering) and cut/copy/paste using keyboard shortcuts (ctrl+x, ctrl+c, ctrl+v)
Math Tools	Bar graphs	manipulating bars
	Graphs	manipulating points, line segments, functions and shading
	Interactive number lines	using slide bars and/or clicking to plot points
	Manipulating shapes	click, drag, resize, rotate, invert
	Using fraction models	ability to manipulate fraction models in a digital environment (e.g. highlight sections, change the number of sections)
	Simulations	familiarity with online simulations
	Exhibit / key (starts in grade 5)	ability to use a key to assist in answering a question (e.g. using formula sheets)
	Equation editor (grade band specific)	use of an online equation editor, preferably HTML based
	Ruler with inches (starts in grade 3)	use of an on screen ruler (by 1/4 in. grade 3, by 1/8 in. grades 4 and 5)
	Protractor (starts in grade 4)	use of a protractor on-screen to measure an angle (and select and drag a ray to make an angle of a given size)
	Ruler with centimeters (starts in grade 4)	use of an on screen ruler to measure lengths
	Calculator - 4 function w/ square root and percent (grades 6 & 7)	use of a basic non-scientific calculator on-screen
	Calculator - scientific (starts in grade 8)	use of a scientific calculator on-screen
Calculator - TI Graphing (starts with Math I, II, III Algebra I, II, Geometry)	use of a graphing calculator on-screen	

