What Should My Braille Reader be Learning??

(PreK-12)

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PreK (Pre-Literacy NOT Pre-Braille):

* Readiness: Hand movements, tracking, tactile discrimination, use of braille writer, **alphabet letters**, capital sign, sorting by shapes and textures
* Numbers 0-10,numeric mode indicator
* Grade appropriate technology, i.e., IPAD, voiceover

Kindergarten:

* alphabet letters, alphabet words, contractions and, for, of, the, with, punctuation indicator, grade appropriate punctuation symbols (period, comma) capital sign
* signs of operation (plus, minus, equals), hundreds chart with manipulatives and tactile graphics
* read and write numbers to 20, write equations in horizontal format, shapes (hexagon, cube, cone, cylinder, sphere)
* beginning typing on keyboard

First Grade:

* Grade appropriate punctuation (comma, quotation marks, colon, apostrophe)
* Shortform words related to grade level text (above, below, behind, etc.)
* Final letter contractions related to grade level text (ful, ity, less, ment, ness, etc.)
* Common consonant digraphs related to grade level text (gh, ch, sh, th, wh, etc.)
* Type form indicators for grade level text (bold, underline, italics,)
* Numbers 21-120, tally marks, spatial arrangement for addition and subtraction, less than and greater than,
* Shapes (rectangular prism, trapezoid, half-circle, quarter circle
* Typing on QWERTY Keyboard

Second Grade:

* Grade appropriate punctuation (dash, semicolon, parentheses)
* Simple numeric fraction line, general fraction line, fraction indicator (non-mathematical text)
* Contractions related to grade level text \*\*\*\*\*ALL Literary Contractions should be mastered by the end of second grade!!!!!!
* Formatting (bullet, indentation)
* Numbers to 1,000, mathematical colon, decimal, time, money, cent, dollar, reading a key to a graph, fraction signs, Nemeth termination indicator, measurement signs, clocks, picture graphs, bar graphs, and shapes.

Third Grade to 12th Grade:

* Focus should be on gaining access to the grade level curriculum in ALL subject areas.
* Knowledge of all punctuation and braille signs of composition by the end of 3rd grade!
* A shift should be made from knowledge of the code to reading fluency and comprehension on grade level.
* Blindness specific technologies (braille displays, screen readers, adaptive tools)
	+ By 4th grade students should be able to type 1 page of text in one setting on a QWERTY keyboard
	+ By 5th grade 2 pages of text in one sitting
* All areas of the Expanded Core Curriculum should have a focus.
* A focus on tactile graphics should be emphasized.

Nemeth Code Expectations:

* Learn Nemeth code numerals and symbols beginning in PreK.
* New Nemeth code introduced at every grade level through high school
* PreK- 5th– focuses on computation of whole numbers, fractions, and decimals, measurement, and geometry tied to numbers and operations.
* Middle School—ratio, proportions, statistics, algebra, foundations of geometry
* High School- functions, statistics, geometry, algebra

Resources:

* <https://www.perkins.org/wp-content/uploads/elearning-media/CCSC_Frameworks_for_Braille_ELA.pdf>
* <https://www.cde.ca.gov/sp/se/sr/documents/braillereadstand.pdf>
* <https://sites.aph.org/ccss/standards/>
* A Child’s World Infancy Through Adolescence by Martorell Papalia Feldman
* College Begins in Third Grade by Carol Castellano.

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