



Nemeth Code Symbols Used in the Middle Grades and Strategies for Supporting Math Learning Resource List

Articles and Books

- *Deepening Students' Mathematical Understanding with Literature* by Monroe & Young, NCTM, 2018
- *Beginning with Braille* by Anna Swenson, APH Press, 2016
- *Key to Educational Success: Teaching Students with Visual Impairments and Multiple Disabilities*, edited by Sharon Z. Sacks & Mary C Zatta, APH Press, 2016

Calculators

- Orion TI—30XS Multi-View Talking Scientific Calculator
<http://www.orbitresearch.com/product/orion-ti-30xs/>
- Desmos Scientific Calculator <https://www.desmos.com/scientific>
- Orion TI-84 Plus Talking Graphing Calculator
<http://www.orbitresearch.com/product/orion-ti-84-plus/>
- Desmos Graphing Calculator <https://www.desmos.com/calculator>

Long Division

- Hangman https://www.youtube.com/watch?v=UWAZ-B_nCCU
- Big 7 <https://www.youtube.com/watch?v=ZvUNM52OoMk>

Pearson Resources

- *The Nemeth Braille Code Focused Lessons (3rd Grade through 8th Grade)* <http://accessibility.pearson.com/nemeth/>
These lessons provide a fun and supportive way to learn new symbols and practice reading and writing these symbols within grade-level math problems. Topics include: Multiplication and Division, Exceptions to the Five-Step Rule, the Five-Step-Rule, Fractions, Number Lines, and Radicals.

- The *Nemeth Symbol Library*
<http://accessibility.pearson.com/nemethdatabase>
 Both braille and print readers can use this online symbol library to access examples of math symbols shown in both print and braille. Brief explanations of symbols are provided. Users can download BRF files in Nemeth in EBAE or Nemeth within UEB contexts, or a PDF file in Nemeth in Print and SimBraille.

Products from the American Printing House for the Blind

- Advanced Desktop Stick-On Number Lines (1-03482-00)
<https://www.aph.org/product/advanced-desktop-stick-on-number-lines-5-pack/>
- Analog Clock Model (1-03125-00)
<https://www.aph.org/product/analog-clock-model/>
- Consumable Number Lines (1-03013-00)
<https://www.aph.org/product/consumable-number-lines/>
- Cranmer Abacus (1-03150-00) <https://www.aph.org/product/cranmer-abacus/>
- Feel 'n Peel Stickers (variety of different types from APH)
- Graph Paper (variety of types from APH)
- Graphic Aid for Mathematics (1-00460-01)
<https://www.aph.org/product/graphic-aid-for-mathematics-2/>
- Graphic Art Tape (1-08878-00) <https://www.aph.org/product/graphic-art-tape/>
- Large Abacus (1-03170-00) <https://www.aph.org/product/large-abacus/>
- MathBuilders, Unit 7: Fractions, Mixed Numbers, and Decimals (7-03564-00) <https://www.aph.org/product/mathbuilders-unit-7-fractions-mixed-numbers-and-decimals-large-print-kit-includes-teachers-guide-in-large-print/>
- Multiplication and Division Table Kit, Revised (5-82700-01)
<https://www.aph.org/product/multiplication-and-division-table-kit-revised/>
- Number Line Devices (1-03480-01)
<https://www.aph.org/product/number-line-device/>
- Tactile Algebra Tiles (1-08410-00)
<https://www.aph.org/product/tactile-algebra-tiles/>

Resources for Preparing Materials in Nemeth Code within UEB Contexts

- *Guidance for Transcription Using the Nemeth Code within UEB Contexts* <http://www.brailleauthority.org/mathscience/math-science.html>
- *An Introduction to Braille Mathematics Using Nemeth Code within UEB Contexts* <https://www.nfb.org/programs-services/braille-certification/mathematics-braille-transcribing>

Tactile Materials

- Tactile Dots from Exceptional Teaching <https://www.maxiaids.com/braille-tactile-voice-markers>
- Tactile Dots from Maxi-Aids <https://www.maxiaids.com/braille-tactile-voice-markers>
- WikiStix® <https://www.wikkistix.com/>