



Course 5: Nemeth Code Symbols Used in the Middle Grades and Strategies for Supporting Math Learning

Resource List

This document was updated February 16, 2023. We encourage you to do a search if a link is broken in the future.

Resources for Preparing Materials in Nemeth Code within UEB Contexts

- *Guidance for Transcription Using the Nemeth Code within UEB Contexts* <https://brailleauthority.org/nemeth-code>
- *An Introduction to Braille Mathematics Using Nemeth Code within UEB Contexts* <https://www.nfb.org/programs-services/braille-certification/mathematics-braille-transcribing>
- *Learning and Teaching the Nemeth Code within UEB Contexts: A Step-by-Step Guide* <https://www.pathstoliteracy.org/resource/learning-and-teaching-the-nemeth-code>

Calculators

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

Desmos Calculators and Helpful Links

- Desmos Scientific Calculator <https://www.desmos.com/scientific>
- Desmos Graphing Calculator <https://www.desmos.com/calculator>
- Accessibility page <https://www.desmos.com/accessibility>
- Getting started page for graphing <https://learn.desmos.com/accessibility>
- Full list of keyboard shortcuts <https://www.desmos.com/graphingshortcuts>

- Videos
 - Video for getting started <https://learn.desmos.com/braille>
 - Set up information
<https://www.desmos.com/accessibility#braille>
- List of shortcut keys for the Braille Sense 6
https://drive.google.com/uc?export=download&id=1-aTfaFbY8wslnTOAhaTFqUBF2_RDOb1f
- Directions for embossing graphics
<https://www.desmos.com/accessibility#embossing-graphs>
- Downloadable Keyboard Shortcuts for graphing
 - [Graphing Calculator Keyboard Shortcuts for Windows \(.docx\)](#)
 - [Graphing Calculator Keyboard Shortcuts for Windows \(.brf\)](#)
 - [Graphing Calculator Keyboard Shortcuts for Mac \(.docx\)](#)
 - [Graphing Calculator Keyboard Shortcuts for Mac \(.brf\)](#)

Nemeth Symbol Library

- The *Nemeth Symbol Library*
<https://accessibility.pearson.com/resources/nemeth-curriculum/nemeth-symbol-library/index.php>
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.

Tactile Materials

- Sticky Foam Dots <https://www.walmart.com/ip/Foamies-Sticky-Back-Sheets-Assorted-Colors-2mm-6-x-9-in/24672073>
- Tactile Dots from Exceptional Teaching
<https://exceptionalteaching.com/high-dots/>
- Tactile Dots from Maxi-Aids <https://www.maxiaids.com/braille-tactile-voice-markers>
- WikkiStix® <https://www.wikkistix.com/>

Drawing Boards

- Draftsman (1-08857-00)
<https://www.aph.org/product/draftsman-tactile-drawing-board/>
- inTACT Drawing Board www.easytactilegraphics.com

- Rubber pad (1-03620-00) <https://www.aph.org/product/swail-dot-inverter-rubber-pad/>
- Sewell Raised Line Drawing Kit <https://www.maxiaids.com/raised-line-drawing-kit>
- Tactile Doodle (1-08824-00) <https://www.aph.org/product/tactiledoodle-kit/>

Compasses

- Geometric Set in Braille <https://www.maxiaids.com/geometric-set-in-braille-perfect-for-students>
- Rubber-tipped compass – 3D printer files to produce the version from Fiskars that is no longer available. This version holds the stylus tool from the Draftsman <https://www.dropbox.com/sh/hchsftajptsqmy/AACUAeY4t01r6yg8BHwH0zDza?dl=0>
- Tactile compass for math and art (beam compass) (1-08894-00) <https://www.aph.org/product/tactile-compass-for-math-and-art/>

Products from the American Printing House for the Blind

- AnimalWatch Vi: Building Graphics Literacy (D-30040-AP) <https://www.aph.org/product/animalwatch-vi-building-graphics-literacy-for-ipad/>
- Braille-Large Print Protractor (1-04115-00) <https://www.aph.org/product/braille-large-print-protractor/>
- 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/>
- Geometro Medium Set (1-03023-00) <https://www.aph.org/product/geometro-gs22-medium-set/>
- Geometro Large Set (1-03024-00) <https://www.aph.org/product/geometro-gs56-large-set/>
- Geometro GS10 Cylinder and Cone (1-03030-00) <https://www.aph.org/product/geometro-gs10-cylinder-and-cone/>
- Geometro: Isosceles Triangles, 6-pack (1-03029-00) <https://www.aph.org/product/geometro-isosceles-triangles-6-pack/>
- Geometro: Rectangles, 6-pack (1-03028-00) <https://www.aph.org/product/geometro-rectangles-6-pack/>

- Geometro: Student Workbook Kit (1-03021-00)
<https://www.aph.org/product/geometro-student-workbook-kit/>
- Geometry Tactile Graphics Kit (1-08841-00)
<https://www.aph.org/product/geometry-tactile-graphics-kit/>
- Math Symbols Reference Booklet – Braille Version (7-87300-00)
<https://www.aph.org/product/math-symbol-reference-booklets-braille-version/>
- Math Symbols Reference Booklet – Large Print Version (5-87300-00)
<https://www.aph.org/product/math-symbol-reference-booklets-large-print-version/>
- Picture Maker Wheatley Tactile Diagramming Kit (1-08838-00)
<https://www.aph.org/product/picture-maker-wheatley-tactile-diagramming-kit/>
- StackUps (1-08960-00) <https://www.aph.org/product/stackups-teachers-guidebook-braille/>
- Tactile Algebra Tiles (1-08410-00)
<https://www.aph.org/product/tactile-algebra-tiles/>

Other Products/Information

- Accessing Math Content with JAWS or Fusion
<https://www.freedomscientific.com/training/teachers/accessing-math-content-with-jaws-and-fusion/>
- Omnifix Cubes www.didax.com