



An Introduction to UEB Math/Science for Pre-Kindergarten – 1st Grade Students and Strategies for Supporting Math Learning

This document was created in October 2023. We encourage you to do a search if a link is broken. At the time this resource list was prepared, some items were only available in Nemeth Code or Nemeth Code within UEB Contexts. We have placed an * in front of items that use Nemeth Code and not UEB Math/Science. We encourage you to check to determine if a UEB Math/Science version of the material has been produced.

Books/Documents to Assist You in Preparing Nemeth Code within UEB Contexts Materials

- *The Rules of Unified English Braille, 2nd Edition, 2013*
<https://iceb.org/ueb.html>
- *Unified English Braille Guidelines for Technical Material, 2014*
https://iceb.org/guidelines_for_technical_material_2014.pdf
 - As of July 2023, ICEB is working on the 2nd edition.
 - Section 3: Signs of Operation and Comparison was updated in 2018. https://iceb.org/GTM3_Operation&Comparison.pdf
- *Provisional Guidance on Transcribing Mathematics in UEB, 2019*
https://www.brailleauthority.org/ueb/ueb_math_guidance/final_for_posting_ueb_math_guidance_may_2019_102419.pdf
- *The Hitchhikers Guide to UEB Mathematics, 2013*
<https://www.banzat.org.nz/documents/hhgmaths.pdf>
- *Braille Formats: Principles of Print-to-Braille Transcription, 2016*
referred to as "Braille Formats."
<http://brailleauthority.org/formats/formats2016.html>
- *BANA Guidelines for the Transcription of Early Educational Materials from Print to Braille*
<https://www.brailleauthority.org/early-learning-materials>

Instructional Resources

- UEB Math Tutorial
<https://uebmath.aphtech.org/>

Products from the American Printing House for the Blind

- Addition and Subtraction Table (5-82699-00)
<https://www.aph.org/product/addition-and-subtraction-table/>
- Beginner Abacus (1-03180-00) This product is discontinued.
<https://www.aph.org/product/beginners-abacus/>
- Consumable Hundreds Chart (5-82710-00)
<https://www.aph.org/product/consumable-hundreds-chart/>
- Cranmer Abacus (1-03150-00)
<https://www.aph.org/product/cranmer-abacus/>
- Desktop Stick-On Number Lines: Large Print-Braille (5-pack) (1- 03481-00)
<https://www.aph.org/product/desktop-stick-on-number-lines-large-print-braille-5-pack/>
- DRAFTSMAN: Tactile Drawing Board (1-08857-00)
<https://www.aph.org/product/draftsman-tactile-drawing-board/>
- Expanded Beginner's Abacus (1-03181-00)
<https://www.aph.org/product/expanded-beginners-abacus-kit/>
- Feel 'n Peel Stickers: UEB Braille-Print Numbers 0-100 (1-08971-00)
<https://www.aph.org/product/feel-n-peel-stickers-ueb-braille-print-numbers-0-100/>
- Fractional Parts of Whole Set (1-03290-00)
<https://www.aph.org/product/fractional-parts-of-wholes-set/>
- Hundreds Board and Manipulatives, UEB Edition (1-03106-00)
<https://www.aph.org/product/hundreds-board-manipulatives-ueb/>
- Math Drill Cards: Numbers/Math Signs UEB (1-03545-00)
<https://www.aph.org/product/math-drill-cards-number-math-signs-ueb/>
- Math Drill Cards: Addition Facts UEB (1-03546-00)
<https://www.aph.org/product/math-drill-cards-addition-facts-ueb/>
- Math Drill Cards: Subtraction Facts (UEB) (1-03547-00)
<https://www.aph.org/product/math-drill-cards-subtraction-facts-ueb/>
- *MathBuilders, Unit 1: Matching, Sorting, and Patterning (7-03560-00)
<https://www.aph.org/product/mathbuilders-unit-1-matching-sorting-and-patterning-large-print-kit-includes-teachers-guide-in-print/>
- *MathBuilders, Unit 6: Geometry (7-03563-00)
<https://www.aph.org/product/mathbuilders-unit-6-geometry-large-print-kit-includes-teachers-guide-in-print/>
- *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/>

- Quick Pick Math Counting (1-03574-00)
<https://www.aph.org/product/quick-pick-counting/>
- *Quick Pick Math Addition (1-03570-00)
<https://www.aph.org/product/quick-pick-math-addition/>
- *Quick Pick Math Subtraction (1-03571-00)
<https://www.aph.org/product/quick-pick-math-subtraction/>
- Tactile Five and Ten Frames (1-03567-00)
<https://www.aph.org/product/tactile-five-and-ten-frames/>
- Tactile Tangrams Kit (1-08439-00)
<https://www.aph.org/product/tactile-tangrams-kit/>
- Individual calendar kit (1-18971-00)
<https://www.aph.org/product/individual-calendar-kit/>
- HANDS ON Kit: Functional Activities for Visually Impaired Preschoolers (1-03260-00)
<https://www.aph.org/product/hands-on-kit-functional-activities-for-visually-impaired-preschoolers/>
- *FOCUS in Mathematics Kit, Second Edition (1-08280-01)
<https://www.aph.org/product/focus-in-mathematics-print-kit-second-edition/>
- Feel 'n Peel Sheets: Carousel of Textures 1-08863-00
<https://www.aph.org/product/feel-n-peel-sheets-carousel-of-textures/>
- Shape Board (1-03710-01) This product is discontinued.
<https://www.aph.org/product/shape-board/>
- Textured Sorting Circles and Shapes (1-08834-00)
<https://www.aph.org/product/textured-sorting-circles-and-shapes/>
- Picture Maker Wheatley Tactile Diagramming Kit (1-08838-00)
<https://www.aph.org/product/picture-maker-wheatley-tactile-diagramming-kit/>
- Embossed Graph Sheets: 1-inch Squares, 10 x 10 Grid (1-04058-00)
<https://www.aph.org/product/embossed-graph-sheets-1-inch-squares/>
- Game Kit: Materials Bag with 4 Dice, 6 Game Tokens (61-131-045)
<https://www.aph.org/product/game-kit-materials-bag-with-4-dice-6-game-tokens/>
- Graphic Art Tape (1-08878-00) <https://www.aph.org/product/graphic-art-tape/>
- Puzzle Form Board Kit (1-03721-00)
<https://www.aph.org/product/puzzle-form-board-kit/>
- Fractional Parts of Wholes Set (1-03290-00)
<https://www.aph.org/product/fractional-parts-of-wholes-set/>
- Tactile Doodle (1-08824-00)
<https://www.aph.org/product/tactiledoodle-kit/>

Manipulatives

- Wikki Stix®
<https://www.wikkistix.com/>
- Digi-Block Store
<https://www.digiblock.com>
 - Classic Block-of-100
 - Power Block-of-100