PROJECT INSPIRE

Pre-Kindergarten –1stGrade Students: Nemeth Code within UEB Contexts and Strategies for Supporting the Student in Building Math Skills

Resource List

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

1. *Guidance for Transcription Using the Nemeth Code within UEB Contexts* http://brailleauthority.org/ueb.html#nemeth
   This document explains the basics of preparing Nemeth Code within UEB Contexts materials.
2. *Braille Formats: Principles of Print-to-Braille Transcription, 2016* referred to as "Braille Formats."
   http://brailleauthority.org/formats/formats2016.html
   This book is prepared for transcribers, however, teachers of students with visual impairments and others preparing materials need to be familiar with the rules explained in Braille Formats.

Instructional Resources

- *Maryland's College and Career Ready Standards for Unified English Braille and Nemeth Code: Mathematics*
  https://mdk12.msde.maryland.gov/INSTRUCTION/commoncore/Documents/MD_CCRS_UEB_Math.pdf
  This document is produced by the Maryland State Department of Education. It was updated in 2015. By grade level it contains clusters and standards aligned with the Common Core State Standards (CCSS Initiative, 2010).

- The *Nemeth Braille Code Curriculum* (Pre-K through 2nd Grade)
  http://accessibility.pearson.com/nemeth/
  This resource is designed to teach students who are visually impaired how to read and write the Nemeth Code. It is aligned with the Common Core State Standards (CCSS Initiative, 2010) and includes hands-on activities and games that reinforce grade-level math concepts and make learning the Nemeth Code fun and meaningful for children of all ages.

- *Nemeth at a Glance: A Math Resource, Grade Level Chart, and Evaluation Tool*
  http://www.tsbvi.edu/store/ecom/index.php?action=ecom.pdetails&mode=nemeth
  This resource contains a chart of Nemeth Code symbols by grade level in addition to an evaluation tool teachers of students with visual impairments can use in evaluating their student's Nemeth Code skills.

- Nemeth Braille Searchable Database
  http://accessibility.pearson.com/nemethdatabase
  Both braille and print readers can use this online database to access examples of math symbols shown in both print and braille. Brief explanations of symbols are provided. Users can download .brf or PDF files with SimBraille.

- APH Nemeth Tutorial https://tech.aph.org/nemeth/
  The Nemeth Tutorial has 11 lessons organized by grade level. The lessons are accessible to both print and braille readers. Rules are explained and examples provided for each topic. There are reading, writing, and proofreading exercises users can complete to practice information covered under the topic.

- Nemeth Braille Code for Instructors and Paraeducators
  https://www.tsbvi.edu/course-listing#nemethdescription
  Organized by grade level, these instructional modules provide explanations of math symbols with examples. Each module has a short quiz for users to test their knowledge after watching the module.

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)
  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: Nemeth Basic Math Symbols (1-08892-00)
  https://www.aph.org/product/feel-n-peel-stickers-nemeth-basic-math-symbols/
- Feel 'n Peel Stickers: Nemeth Braille-Print Numbers 0-100 (1-08876-00)
  https://www.aph.org/product/feel-n-peel-stickers-nemeth-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, Nemeth Code (1-03107-00)
  https://www.aph.org/product/hundreds-board-manipulatives-nemeth/
- Math Drill Cards: Addition Cards (Nemeth) (1-03552-00)
  https://www.aph.org/product/math-drill-cards-addition-cards-nemeth/
- Math Drill Cards: Subtraction Cards (Nemeth) (1-03553-00)
  https://www.aph.org/product/math-drill-cards-subtraction-cards-nemeth/
- 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)
  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