

Resources for Technical Materials in UEB, Summer 2016

1. ICEB's *The Rules of Unified English Braille, Second Edition 2013*

The Rulebook is the main resource for all aspects of UEB. Section 11 includes basic rules for technical materials. The book is a free download from the ICEB web site:

<http://www.iceb.org/ueb.html>

2. ICEB's *Guidelines for Technical Materials*

This document is a supplement to the UEB Rulebook; it is available in several electronic file formats from ICEB:

<http://www.iceb.org/ueb.html>

3. New Zealand resource: *The Hitchhiker's Guide to UEB Maths*

When New Zealand adopted UEB, it ceased using Nemeth code. Two teachers of students with visual impairments designed this resource, which can be downloaded in print from the web site of the Braille Authority of New Zealand Aotearoa Trust (BANZAT). Called "The Hitchhiker's Guide to UEB Maths," it can be found at:

<http://www.banzat.org.nz/documents/HHGMaths.pdf>

4. Canadian resource guide

Canada is currently making the transition from Nemeth to UEB. Heather Harland and Cheryl Roberts, teachers in British Columbia, designed a resource called "Unified English Braille for Math for Sighted Learners." It can be downloaded in print at:

https://www.prcvi.org/files/braille/UEB_Braille_for_Math_2014.pdf

5. American Printing House for the Blind

- Feel 'n Peel: Basic Math Symbols, stickers for math available in UEB as well as Nemeth. UEB set Catalog Number: 1-08893-00
- Both UEB and Nemeth output are available on the Orion TI-84 Plus version 2 calculator

that connects to a Baum or APH

Refreshbraille 18.

- Math Robot App for iPad supports both UEB and Nemeth codes.
- Other UEB math-related projects are in the works, including a UEB math tutorial.

www.aph.org

6. Math Window

Math kits available for both Nemeth and for UEB.

<http://www.mathwindow.com>

7. RNIB books: *Using UEB for Mathematics* and *Using UEB for Science*

These resources are being sold through RNIB (Royal National Institute of Blind People) in the United Kingdom. Both books are available in print or in braille, and may be purchased with a credit card from RNIB's online store, or you may call them for other purchase options. (Note: RNIB also sells the *UEB Rulebook* in print and braille if people prefer to have a paper copy.)

http://shop.rnib.org.uk/braille/learning-braille.html?__SID=U

8. UKAAF resource guide

The United Kingdom Association for Accessible Formats (UKAAF) has created a

document guide which gives advice on the approach to use when transcribing math into UEB specifically for school text books and state exams in the UK. While this may not apply to the U.S., it's still interesting to see the approach that was taken:

<http://www.ukaaf.org/braille-downloads/braille-standards/maths-guidelines>

9. *Assessment of Braille Literacy Skills (ABLS)*, 2nd Edition

This second edition of a much-loved resource includes a few sections related to reading braille numbers and other math symbols.

Available in print; also available in braille upon request. Available from Texas Region 4, www.esc4.net.

Direct link to this item in the catalog is:

<http://www.region4store.com/Catalog.aspx?catid=347927&itmid=1196188>

10. Canadian Technical Course

This resource is a short self-study set of materials that provides additional information about using UEB for math and science. This course can be downloaded as electronic files in print or braille from

<http://www.cnib.ca/en/living/braille/Pages/UEB-Technical-Course.aspx>.