



## **Course 4: Geometry and Tactile Graphics for Students in Grades 3-8**

### **Resource List**

This document was updated 9-27-2022. We encourage you to do a search if a link is broken.

#### Online Resources to Assist You in Preparing Tactile Graphics

- APH Tactile Graphics Image Library  
<https://imagelibrary.aph.org/portals/aphb/#login>
- QuickTac <https://durburysystems.com/quicktac.asp>
- Swell Braille Font  
<https://www.ffonts.net/Swell-Braille.font.download>
- Tactile Graphics Website (Lucia Hasty) <http://tactilegraphics.org/>

#### BANA Guidelines

- *Guidelines and Standards for Tactile Graphics, 2010*  
<http://www.brailleauthority.org/tg/>
- *Guidelines and Standards for Tactile Graphics, 2010, Supplement*

#### Webinars

- Explore and Use the Tactile Graphic Image Library  
<https://www.youtube.com/watch?v=iP-JqFEVDMw&list=PLUj6DcM1nN3ETBrf17n6IKIxSihSU-gx0&index=68>
- STEM Skills Using AnimalWatch Products  
[https://www.youtube.com/watch?v=2G\\_jFiISUg&list=PLUj6DcM1nN3ETBrf17n6IKIxSihSU-gx0&index=66](https://www.youtube.com/watch?v=2G_jFiISUg&list=PLUj6DcM1nN3ETBrf17n6IKIxSihSU-gx0&index=66)
- Teaching Tactile Graphics by Lucia Hasty  
<https://www.perkinselearning.org/videos/webcast/teaching-tactile-graphics>

## iOS Apps

- AnimalWatch Vi Suite  
<https://www.aph.org/product/animalwatch-vi-suite-for-ipad/>
- AnimalWatch VI Graphics Literacy  
<https://www.aph.org/product/animalwatch-vi-building-graphics-literacy-for-ipad/>
- Draw2Measure Protractor App  
<https://www.aph.org/product/draw2measure-protractor-app-for-ios-devices-free-app/>

## Tactile Drawing

- Tactile Drawing (post on Paths to Literacy)  
<https://www.pathstoliteracy.org/users/edith-west>

## 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/hchsfteajptsgmy/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/>

## Drawing Boards

- Clipboard with foam paper on it
- Draftsman (1-08857-00)  
<https://www.aph.org/product/draftsman-tactile-drawing-board/>
- inTACT Drawing Board [www.easytactilegraphics.com](http://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/>

## Hands-On Products

- Braille-Large Print Protractor (1-04115-00)  
<https://www.aph.org/product/braille-large-print-protractor/>
- Geometro Mini Set (1-03022-00)  
<https://www.aph.org/product/geometro-gs16-mini-set/>
- 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: Hook Material Rods, 3-pack (1-03027-00)  
<https://www.aph.org/product/geometro-hook-material-rods-3-pack/>
- 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/>
- Graphic Aid for Mathematics (1-00460-00)  
<https://www.aph.org/product/graphic-aid-for-mathematics-2/>
- Hands-on System for Learning Three-Dimensional Geometry  
[www.geometro.net](http://www.geometro.net)
- MathBuilders, Unit 6: Geometry, Large Print Kit, includes Teacher's Guide in print and student materials in braille (7-03563-00) The Teacher's Guide in braille is item 5-03563-00  
<https://www.aph.org/product/mathbuilders-unit-6-geometry-large-print-kit-includes-teachers-guide-in-print/>
- Math Window – Geometry – Nemeth  
<https://mathwindow.com/product/braille-geometry-kit-nemeth/>
- Omnifix Cubes [www.didax.com](http://www.didax.com)
- Picture Maker Geometric Textured Shapes (1-08838-01)  
<https://www.aph.org/product/picture-maker-geometric-textured-shapes/>
- 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 Tangrams (1-08439-00) <https://www.aph.org/product/tactile-tangrams-kit/>

## Collage Materials

- Adhesive dots
- Braille Labels, Pin-Fed Label Sheets: 8.5 x 11 Inches, 30 Continuous Sheets (1-08875-00) <https://www.aph.org/product/braille-labels-pin-fed-label-sheets-8-5-x-11-inches-30-continuous-sheets/>
- Bump dots
- Beads or buttons
- Brass fasteners (office supplies)
- Carousel of Textures or Textured Paper Collection (1-08863-00) <https://www.aph.org/product/feel-n-peel-sheets-carousel-of-textures/>
- Feel n' Peel Sheets, Carousel of Textures II (1-08897-00) <https://www.aph.org/product/feel-n-peel-sheets-carousel-of-textures-ii/>
- Feel 'n Peel Stickers (variety of different types from APH)
- Felt and felt pads
- Foam sheets or pieces
- Graph Benders (1-03400-00) <https://www.aph.org/product/graph-benders/>
- Graphic Art Tape (1-08878-00) <https://www.aph.org/product/graphic-art-tape/>
- Graph Paper (variety of types from APH)
- Hot glue gun
- Quick Draw Paper (1-04960-00) <https://www.aph.org/product/quick-draw-paper/>
- Magnetic strips
- Paper punch
- Plastic mesh or screen board
- Pompoms
- Scented markers
- Sewing or tracing wheel
- Snaps (sewing supplies)
- Tactile dots from Exceptional Teaching <http://exceptionalteaching.com/compare/281/237/139>

- Tactile dots from Maxi-Aids <https://www.maxiaids.com/braille-tactile-voice-markers>
- Tactile Graphics Kit (1-08851-00) <https://www.aph.org/product/tactile-graphics-kit/>
- Velcro
- Wikki Stix <https://www.wikkistix.com/>
- Yarn or string