# Visual Arts for the Visually Impaired:

# Tactile Drawing Tools

# October 17, 2016

# 3-4:00 PM

This broadcast will be recorded.

## Presented by

## Scott Baltisberger

## TSBVI Outreach Consultant

## baltisbergers@tsbvi.edu

## Developed for

## Texas School for the Blind & Visually Impaired

## Outreach Programs

## Outreach Programs Events Update:

- For upcoming webinars: http://www.tsbvi.edu/webinar-listings
- For upcoming workshops and conferences: http://www.tsbvi.edu/training-events?id=4036:14-workshops-otr&catid=227:2014-event-registration

## Housekeeping

- Download handouts and sign-in roster
- Send sign-in roster to keithc@tsbvi.edu or fax to 512-206-9320
- Make sure you registered and complete evaluation within 60 days including code for ACVREP/SBEC credit
- View captions in a separate window at https://tcc.1capapp.com/event/tsbvi/embed
- The code will be announced during the presentation

## Adobe Connect Webinar Tour

- For tips about screen navigation go to http://www.connectusers.com/tutorials/2008/11/meeting_accessibility/
- Location of pods
- Power Point content included in your handout
- Poll participation – enter response in chat if you cannot access the poll

Link to enter room: **http://tsbvi.adobeconnect.com/visual-arts/**

# Visual Arts for the Visually Impaired:

## Tactile Drawing Tools

Presented by Scott Baltisberger, Consultant

Texas School for the Blind & Visually Impaired Outreach Programs

## Agenda

- Rationale for teaching drawing to students who are blind
- Considerations for materials
- Positive image tools
- Negative image tools
- Resources

## Drawing: When and Why?

### Art Class: Special areas and electives

- Access to the full curriculum
- Self-determination

### Early Elementary Classroom

- Full inclusion in learning activities
- Integration with peers
- Developmental skills and concepts

## Early elementary worksheets

(Image: Photos of three different elementary-level worksheets)

## What does drawing teach?

### Hand Skills

- Strength
- Fine motor
- Coordination

### Concepts

- Spatial Relationships
- Symbolic representation

### Creativity and Flexibility

## Considerations for tactile drawing

- Positive or reverse image
- Portability/ease of use
- Versatility
- Price

## Tools to create a positive image

### APH Draftsman

(Image: Photo of the APH Draftsman drawing board)

### Intact Sketchpad

(Image: Photo of the Intact Sketchpad drawing board)

### Sensational Blackboard

(Image: Photo of the Sensational Blackboard drawing board)

### Sewell Raised Line Drawing Kit

(Image: Photo of the Sewell Raised Line Drawing Kit)

### Tactipad

(Image: Photo of the Tactipad drawing board)

### Swail Dot Inverter

(Image: Photo of the Swail Dot Inverter laying on a rubber mat)

### Quick Draw Paper

(Image: Photo of the a package of APH  Quick Draw Paper)

## Tools to create a negative image

### Raised Line Drawing Board

(Image: Photo of the Raised Line drawing board)

### Tactile Graphics Kit

(Image: Photo of the box of the Tactile Graphics Kit)

### Tactile Graphics Kit - tools

(Image: Photo of the individual tools of the Tactile Graphics Kit)

### Tracing Wheel

(Image: Photo of a tracing wheel laying on a rubber mat)

### Aluminum Foil

(Image: Photo of a sheet of aluminum foil)

## Perkins Brailler

(Image: Photo of a Perkins Brailler)

## Some Resources

### Art Beyond Sight

(Image: Photo of the book Art Beyond Sight)

### Learn to Draw, Draw to Learn

(Image: Photo of the book Learn to Draw, Draw to Learn)

### Tactile Graphics

(Image: Photo of the book Tactile Graphics)

### Drawing and the Blind

(Image: Photo of the book Drawing and the Blind)

### Drawing with Your Perkins Brailler

(Image: Photo of the book Drawing with Your Perkins Brailler)

### So What About Drawing?

(Image: Photo of the book So What About Drawing?)

## Contact Info

- If you would like to be included in group emails on the topic of arts instruction, indicate this in the chat or send your information to:
- baltisbergers@tsbvi.edu
- Do you have information to share?
- Theory to Practice School Consultation?

# Resources for Tactile Drawing and Art

## Books

### Drawing with Your Perkins Brailler

- Kim Charlson
- Perkins School for the Blind
- Instructions for creating 36 different braille pictures. Includes examples of the finished drawings.

### Art Beyond Sight

- Edited by Elisabeth Salzhauer Axel and Nina Sobol Levent
- American Foundation for the Blind
- Thick book with extensive sections on theory and research, adaptations for art appreciation and strategies for effective art techniques for persons who are blind or visually impaired.

### Tactile Graphics

- Polly K. Edman
- American Foundation for the Blind
- Extensive information regarding materials and techniques for creating various types of tactile graphics, including pictures.

### Drawing and the Blind

- John M. Kennedy
- Yale University Press
- Scholarly work that compares and contrasts visual and tactile perception and how these are expressed through the medium of drawing.

### Learn to Draw, Draw to Learn (in development)

- Mike Coleman
- intact
- Book of lessons that specifically address learning to create images using a tactile drawing board.

### Time for Art

- Gail Cawley Showalter
- American Printing House for the Blind
- Variety of art projects adapted for students with visual impairments. Geared toward the elementary level.

## Online

### So What About Drawing?
- Marie Porter
- The Guild for the Blind
- http://www.ssc.education.ed.ac.uk/courses/vi&multi/MariePorter.pdf
- Instructions for creating a large variety of drawings using the Perkins Brailler.

### Simple Drawings with Your Perkins Brailler
- Adam Palmer
- Blind How
- http://blindhow.com/posts/366#content
- Instructions for drawing with the brailler.

### Braille Drawings
- Perkins School for the Blind
- http://www.perkins.org/library/for-kids/braille-drawings
- Small number of instructions for drawing with the brailler. Seems this was intended to be an ongoing project with people submitting ideas but did not result in a great number of entries.

### Guidelines and Standards for Tactile Graphics
- Braille Authority of North America
- http://www.brailleauthority.org/tg/
- Overview of tactile graphics standards. This can be helpful not only in creating graphics but in considering how to teach production of graphics.

# Tactile Drawing Tools

## Draftsman
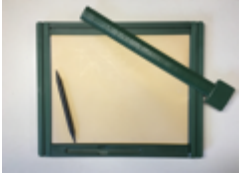
American Printing House for the Blind
https://shop.aph.org/
$196.00

Figure 1: Photo of Draftsman tactile drawing board

## Intact Sketchpad

National Federation of the Blind
https://ecommerce.nfb.org
$125.00

Figure 2: Photo of Intact tactile drawing board

## Sensational Blackboard

Sensational Books
http://www.sensationalbooks.com/
$49.95 (also the "Mini" for $29.95)

Figure 3: Photo of Sensational Blackboard drawing board

## Sewel Raised Line Drawing Kit

Maxiaids
https://www.maxiaids.com/
$35.00

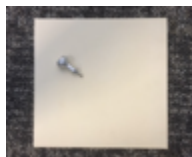Figure 4: Photo of Sewell Raised Line drawing kit

## Tactipad

Irie AT
https://irie-at.com/
$499.00 (software is an additional $295.00)

Figure 5: Photo of Tactipad drawing board

## Swail Dot Inverter

American Printing House for the Blind
https://shop.aph.org
$45.00

Figure 6: Photo of Swail Dot Inverter on Rubber Mat

## Quick Draw Paper

American Printing House for the Blind
https://shop.aph.org
$35.00 for 10 sheets

Figure 7: Photo of a package of Quick Draw Paper

## Raised Line Drawing Board

Braille Super Store
http://www.braillebookstore.com
$14.95

Figure 8: Photo of Raised Line drawing board

## Tactile Graphics Kit

American Printing House for the Blind
https://shop.aph.org
$284.00

Figure 9: Photo of the Tactile Graphics Kit

## Rubber Pad

American Printing House for the Blind
https://shop.aph.org
$11.00

Figure 10: Photo of the rubber pad

## Tactile Drawing Film
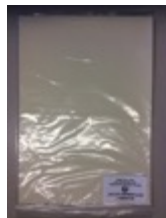
American Printing House for the Blind
https://shop.aph.org
$7.00 for 25 sheets

Figure 11: Photo of a package of tactile drawing film
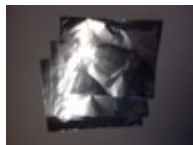
# Polyester Film Drawing Sheets

Maxiaids
https://www.maxiaids.com
$6.99 for 50 sheets

Figure 12: Photo of polyester film drawing sheets

# EZ Write and Draw Aluminum Foil Sheets

Maxiaids
https://www.maxiaids.com
$6.95 for 25 sheets

Figure 13: Photo of aluminum foil sheets

# Perkins Brailler

American Printing House for the Blind
https://shop.aph.org
$730.00 (available on quota funds)

Figure 14: Photo of the Perkins Brailler

Figure 16: The Texas School for the Blind and Visually Impaired logo