



n Braille Bootcamp

Trainer Manual

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Agenda

Time	Item
9:00 AM	Welcome and Introduction to Braille
9:15-10:00 AM	Rotation 1: Braille Alphabet
10:00-10:15 AM	Stretch and Quiz 1
10:15-11:00 AM	Rotation 2: Braille Numbers
11:00-11:15 AM	Stretch and Quiz 2
11:15-12:00 PM	Rotation 3: Grammar
12:00-1:00 PM	Lunch
1:00-1:45 PM	Rotation 4: Nemeth Numbers and Punctuation
1:45-2:00 PM	Break Stretch and Quiz 3
2:00-2:45 PM	Rotation 5: Nemeth Operations & Comparisons
2:45-3:00 PM	Stretch and Quiz 4
3:00-3:45 PM	Rotation 5: Alphabetic Word Signs and Contractions
3:45-4:00 PM	Awards and Wrap up.

Table 1: Braille Bootcamp Agenda

Chapter 1

Welcome and Introductions

Event Staff

1. Welcome Participants
2. Trainers
 - (a) their background
 - (b) experience with Braille
 - (c) which section(s) of the training they will lead

Group Assignments

Your group assignment is yours for the rest of the day. You've been organized into groups based on your reported level of familiarity with Braille.

Team Alpha

- Robert Becker
- Heidi Scher
- Jessica Brangiel
- Victoria Tredinnich

Team Bravo

- Adam Lipkin
- Elizabeth Pyatt
- Kristen Dabney
- Eric Stallard

Team Charlie

- Jess Thompson
- Todd Schwanke
- Emily Helft
- Anna Marie Golden

Earning Points

Through out the day we will tally points for each team. At the end of the day, the team with the most points will receive an award. The team member with the most points overall will receive an additional award.

Number of Errors	Number of Points
No errors	20 points
1-5 errors	15 points
6-10 errors	10 points
+10 errors	5 points

Table 1.1: Individual, Drill Points

Number of Team Members	Number of Points
All members had 0 errors	100 points
Half or less members with errors	50 points
First team to completely finish	50 points

Table 1.2: Team, Drill Bonus Points

Chapter 2

History of Braille in 90 Seconds

There is a detailed explanation of the creation of Braille in the participant manual. Here are the only highlights that need to be addressed:

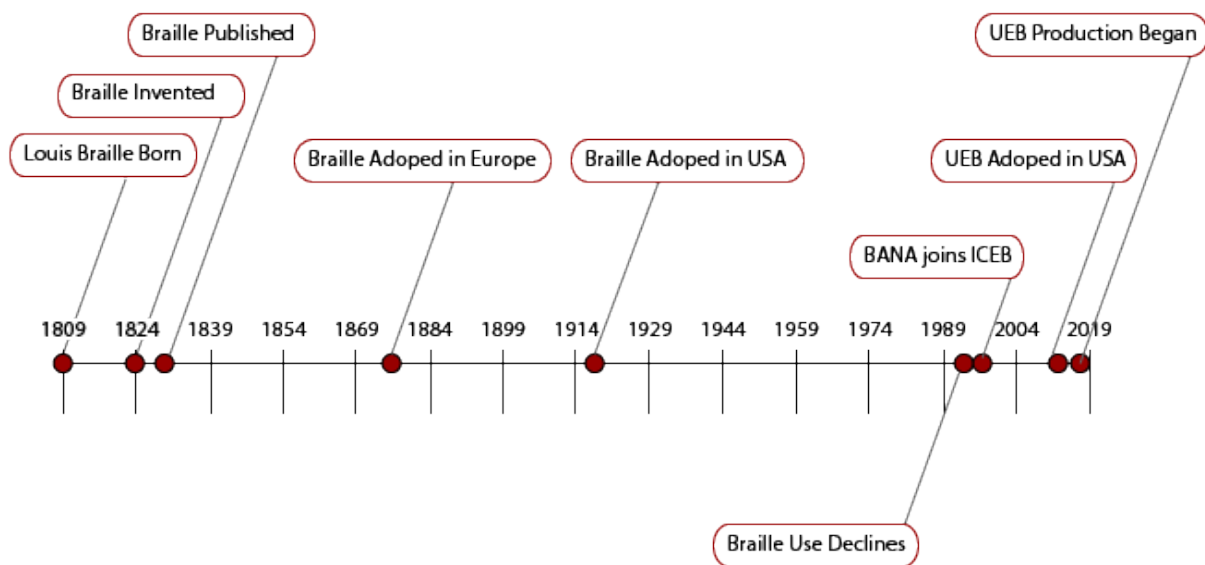


Figure 2.1: Brief timeline of key events in the history of Braille adoption

- 1809 Louis Braille is born
- 1824 at age 15 Louis Braille invents the tactile reading and writing code that now bears his name
- 1829 the Braille code is published
- 1873 Braille code first adopted as the primary means of communication for the Blind in Europe

- 1916 Braille Code first adopted in the United States
- 1991 Internal study reveals a steady decline in Braille usage among children and adults
- 1993 the Braille Authority of North America joins the international effort to develop a unified English Braille code
- 2012 Unified English Braille (UEB) adopted by the United States
- 2016 UEB became the de facto production standard for Braille in the United States

Chapter 3

Rotations

3.1 Quizzes

We'll use Kahoot.it (kahoot.it) quizzes between each rotation to do a quick check for understanding. In order they are:

Quiz 1: Welcome to Visual Braille Bootcamp

Give at: 9:10 AM

Number of Questions: 3

Time per Questions: 30 seconds

Learning Objectives Measured: Not Applicable

This 3 question quiz is provided simply to orient the participants to the Kahoot.it! interface. There is a slight learning curve because the participants only see the colors and shapes that correspond to the answers. The question and the text associated with each answer only appears on the forward screen. Each question demonstrates one of the question types that Kahoot.it! makes available.

1.
 - False
 - **True**
2. What is today?
 - Monday
 - **Tuesday**
 - Wednesday
 - Saturday

3. Select the Triangle or Rectangle

- **Triangle**
- Hexagon
- Oval
- **Rectangle**

Quiz 2: Braille History

Give at: 10:00 AM

Number of Questions: 3

Time per Questions: 30 seconds

Learning Objectives Measured:

- Know who invented Braille
- Know how many dots make up a single Braille character
- Describe differences between Louis Braille's original code and today's.

This 3 question quiz is checks for comprehension of fundamental knowledge regarding how Braille came to be and how it has changed over time.

1. Who is the inventor of Braille? (Portrait of Louis Braille)

- Helen Keller
- **Louis Braille**
- Ray Charles
- Claude Monet

2. How many possible dots are in a standard Braille character?

- 16
- 8
- **6**
- 4

3. Which letter of the alphabet doesn't fit Louis Braille's original pattern

- R
- J
- O
- **W**

Quiz 3: Braille Alphabet

Give at: 11:00 AM

Number of Questions: 3

Time per Questions: 60 to 90 seconds

Learning Objectives Measured:

- Visually recognize Braille characters
- Visually recognize short Braille words
- Visually recognize Braille malformations.

This 3 question quiz is checks for visual recognition of Braille characters.

1. The character (dots 2-4) as pictured to the right represents what print character?
(Simulated Braille character ‘i’)
 - i
 - f
 - e
 - d
2. The picture to the right is the phrase: (uncontracted “red bed” in Simulated Braille)
 - wet bed
 - red bib
 - **red bed**
 - wet bib
3. Which Braille character is mis-formed in the phrase: **quick fox**
 - q
 - i
 - f
 - x

Quiz 4: Braille and Nemeth Numbers

Give at: 1:45 PM

Number of Questions: 3

Time per Questions: 30 to 60 seconds

Learning Objectives Measured:

- Distinguish between Braille number representations
- Distinguish the situations where Nemeth numbers apply.

This 3 question quiz is checks for visual recognition of Braille characters.

1. The year 2017 is shown to the right. Is it in literary numbers or Nemeth numbers?
(Simulated Braille characters: number sign, b, j, a, g.)
 - **Literary**
 - Nemeth
 - Neither
2. Is the number range pictured to the right shown in Nemeth or Literary numbers?
(Simulated Braille characters: number sign,)
 - Literary
 - **Nemeth**
 - Neither
3. Someone asks you to proofread a Braille room sign. Is the number set used correct?
(Square sign reads Conference Room 1210 in print and in Braille number sign, lowered a, lowered b, lowered a, lowered j)
 - Yes
 - **No**
 - Either is okay

Quiz 5: Braille Contractions

Give at: 2:45 PM

Number of Questions: 4

Time per Questions: 30 seconds

Learning Objectives Measured:

- Describe the physical characteristics of hard copy Braille
- Describe at least one type of Braille contraction

This 4 question quiz is checks for background knowledge on hard copy Braille and alphabetic contractions.

1. How many Braille characters fit on one line of Braille paper? (perforated sheets of 11 by 11.5 Braille paper)
 - 15
 - 25
 - 32
 - 40
2. Can Braille be embossed (printed) on both sides of the paper? (child's hands on embossed Braille paper)
 - No
 - **Yes**
3. How many Braille characters are in an alphabetic Braille contraction? (raised script print alphabet above embossed Braille characters)
 - 4
 - 3
 - 2
 - 1
4. True or False: Braille contractions are for whole words only? (chicken looking at egg)
 - **False**
 - True

3.2 Content

Table 3.1: Rotation assignments

Time	Topic	Drill Reference
9:15-10:00 AM	Braille Alphabet	Ch 3, Drills 1-8
10:15-11:00 AM	Braille Numbers & Grammar	Ch 3, Drills 9-16
11:15-12:00 PM	Nemeth Numbers & Punctuation	Ch 4, Drills 1-4
1:00-1:45 PM	Nemeth Operations and Comparison	Ch 4, Drills 5-10
2:00-2:45 PM	Contractions Introduction	Ch 5, Drills 1-4
3:00-3:45 PM	Children's Book Transcription	N/A