

MORE PLAYFUL EXPERIENCES FOR PRE-BRAILLE INSTRUCTION

LEGO BRAILLE BRICKS
series



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HOUSE



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Mentor Public Schools (Ohio)



Ashley Adams

- Intervention Specialist
- Graduate student at Shawnee State University

Janessa

- 11 years old
- 5th grade



Objectives

- Identify 5 Holistic Skills that children develop during play which is critical to learning.
- Identify 5 Characteristics of Playful Learning Experiences.
- Observe students engaged in play-based learning activities using LEGO Braille Bricks.
- Discriminate 3 types of pre-braille activities: manipulation, orientation, and constellation.



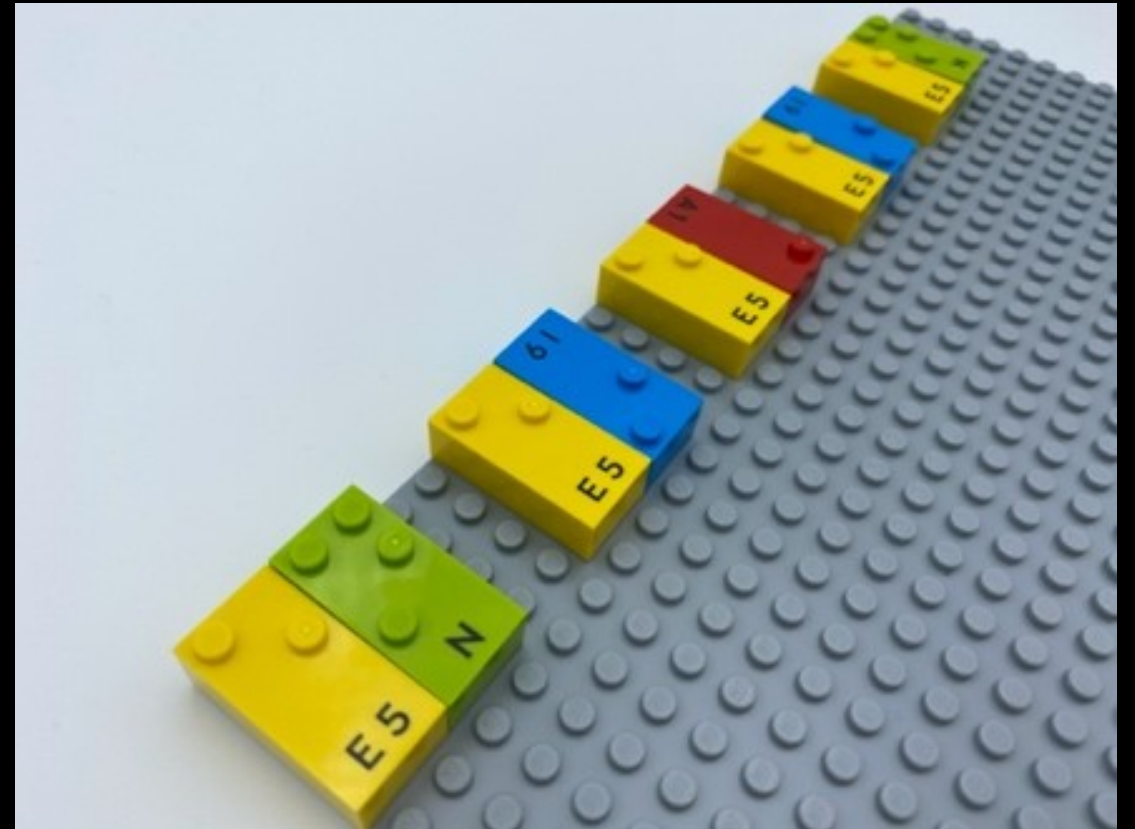


PRE-BRAILLE ACTIVITIES



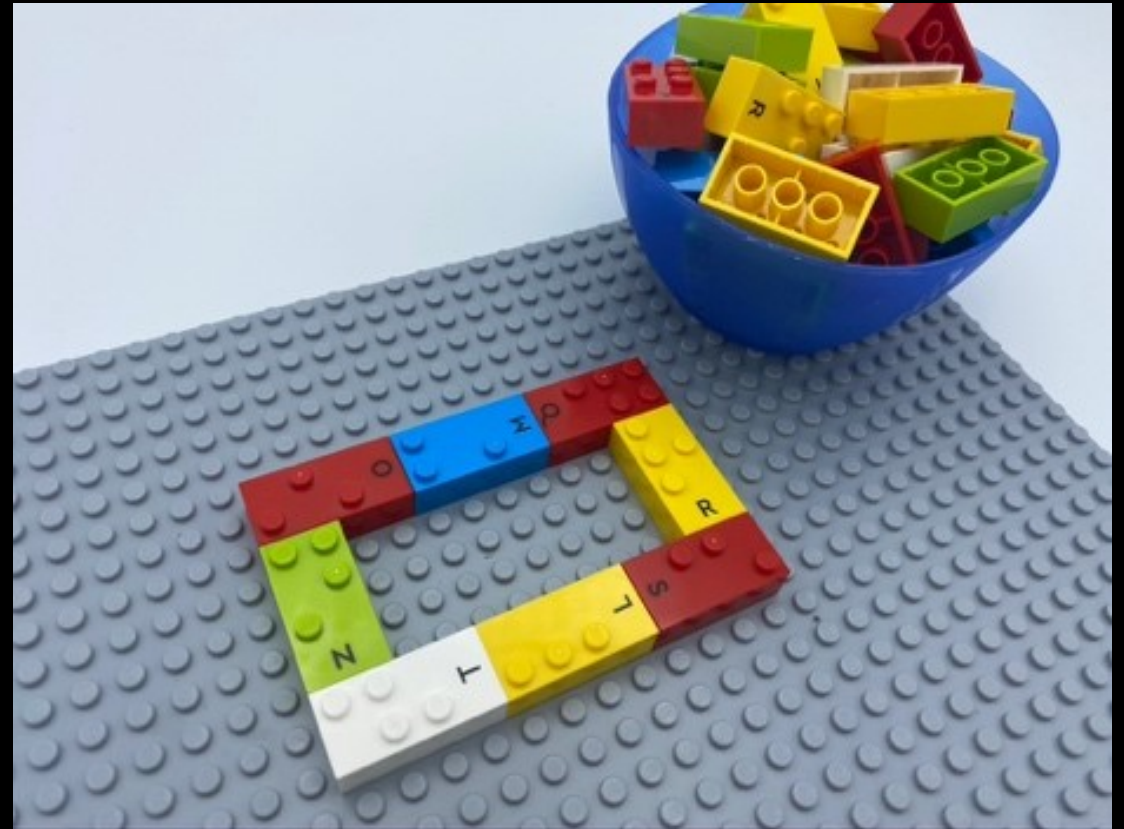
Manipulation

Discover and get used to the bricks, learn how to handle, assemble and put them on the base plate.



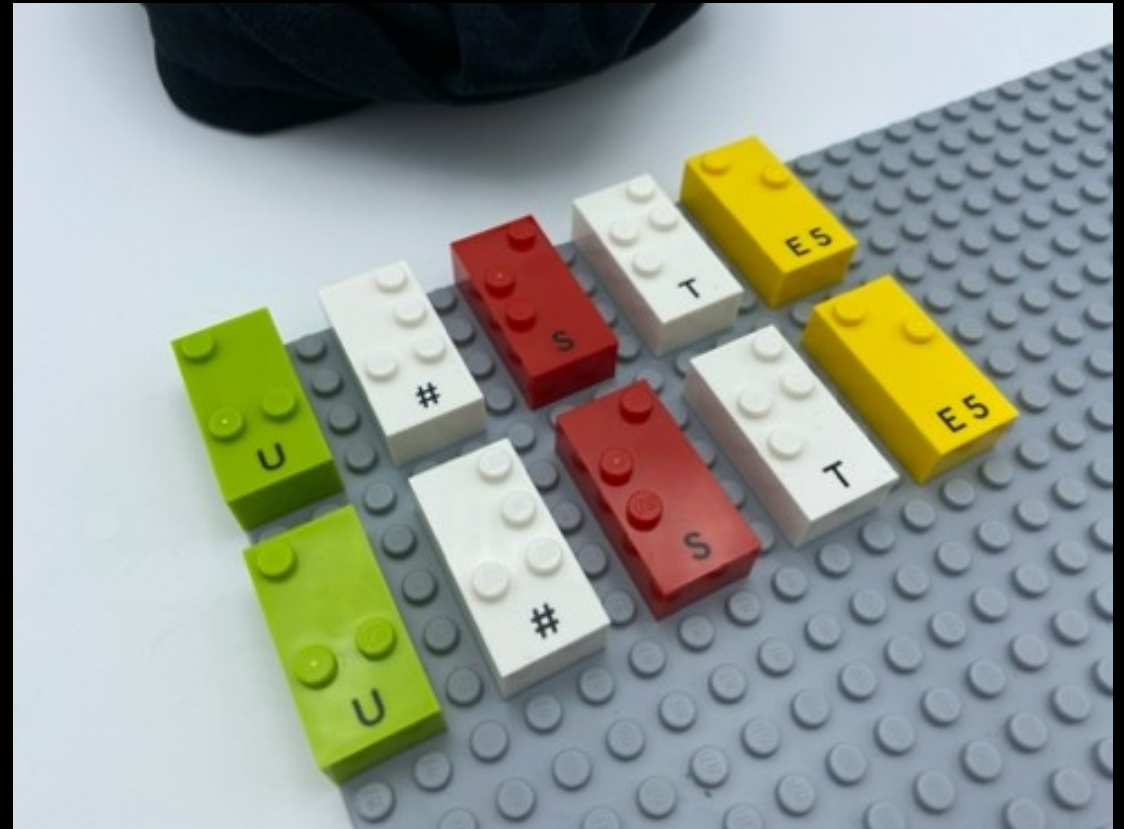
Orientation

Learn how to position the bricks on the base plate and be aware that their orientation is important.



Constellation

Discover the braille cell and how studs are arranged in two columns.
Learn how to differentiate the studs.



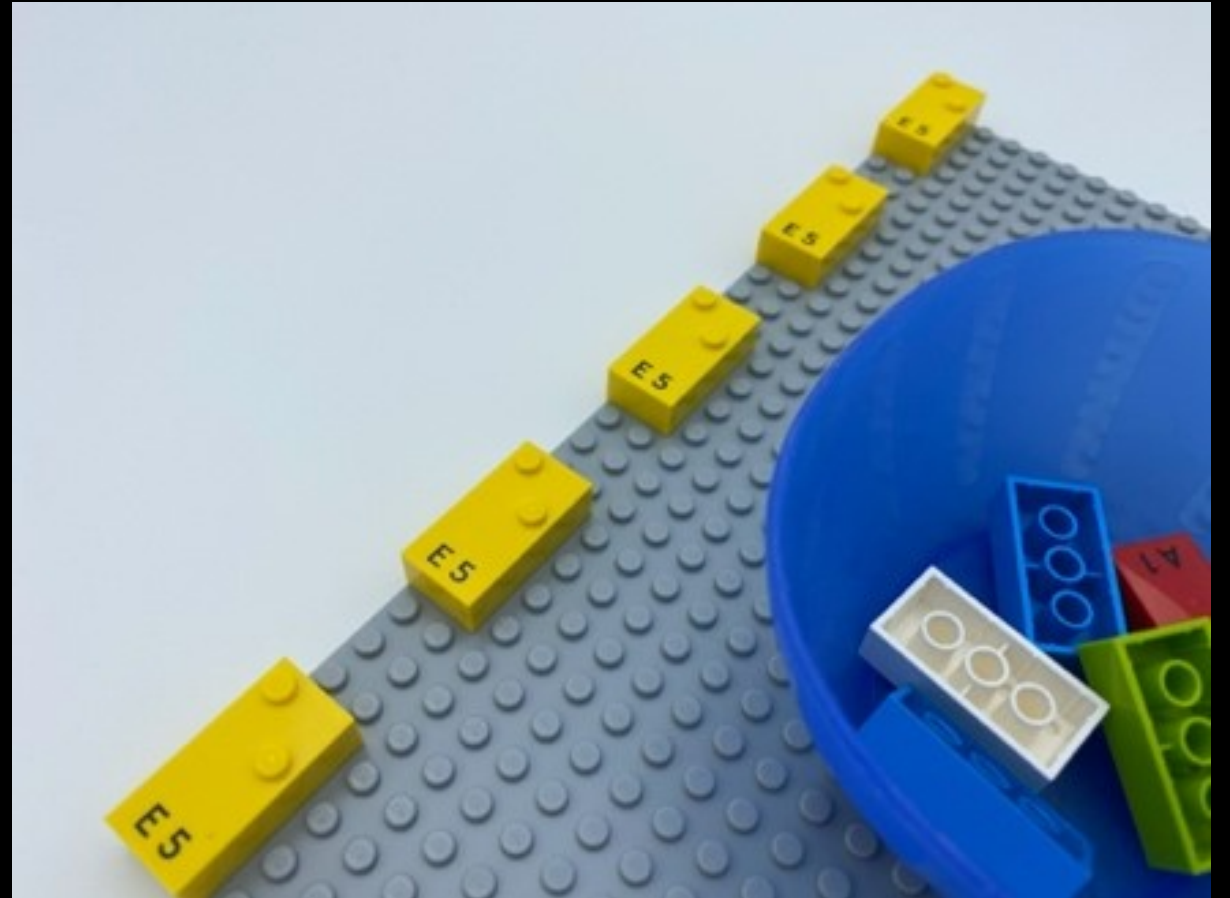


PLAY-BASED LEARNING ACTIVITIES



Frozen Penguins - Manipulation

- Materials
 - ✓ 10 random bricks
 - ✓ Bowl
 - ✓ 1 base plate
- Holistic skills
 - ✓ Emotional
 - ✓ Physical
 - ✓ Cognitive
 - ✓ Social

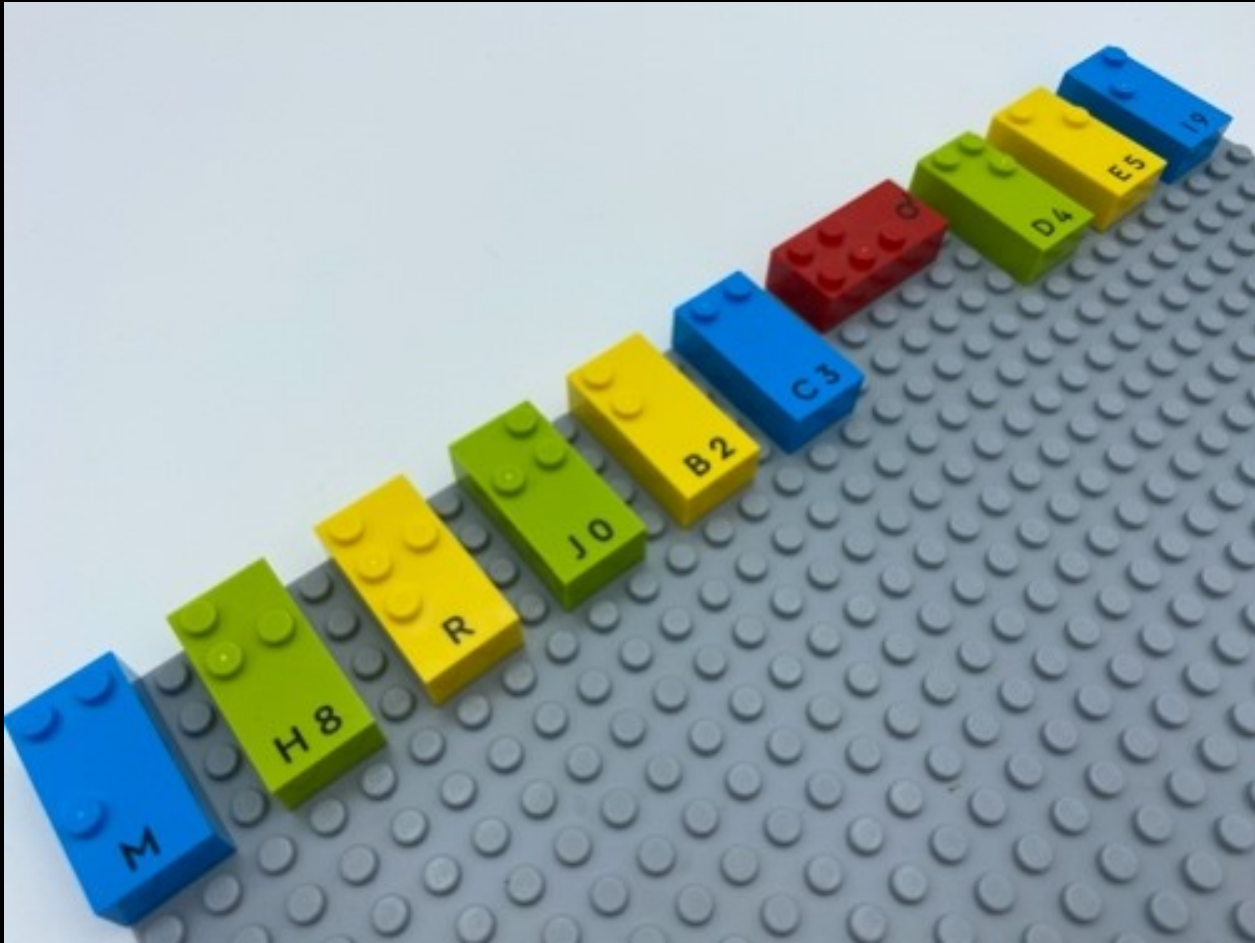


Characteristics of Play

- ❑ Actively engaging: active imagination, mentally immersed, no distraction
- ❑ Meaningful: relate new experiences, imitation
- ❑ Socially interactive: sharing ideas, communicating thoughts
- ❑ Joyful: power of surprise, frustration resolved by breakthrough
- ❑ Iterative: trial & error



Find the Crazy Duck - Orientation



- Materials
 - ✓ 1 base plate
 - ✓ 10 bricks or more
- Holistic skills
 - ✓ Physical
 - ✓ Creative
 - ✓ Social



Video Sharing



Characteristics of Play

- ❑ Actively engaging: active imagination, mentally immersed, no distraction
- ❑ Meaningful: relate new experiences, imitation
- ❑ Socially interactive: sharing ideas, communicating thoughts
- ❑ Joyful: power of surprise, frustration resolved by breakthrough
- ❑ Iterative: trial & error



Identify Dots 1, 2, 3 - Constellation

- Materials
 - ✓ 1 base plate
 - ✓ 10 random bricks
 - ✓ Bowl
- Holistic skills
 - ✓ Physical
 - ✓ Creative
 - ✓ Cognitive
 - ✓ Social
 - ✓ Emotional



Video Sharing



Characteristics of Play

- ❑ Actively engaging: active imagination, mentally immersed, no distraction
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LEGO Braille Bricks Play-based Teaching Method

- Re-define play
- Re-imagine learning

ACVREP credit hours: 4



Arizona State Schools for the Deaf and Blind



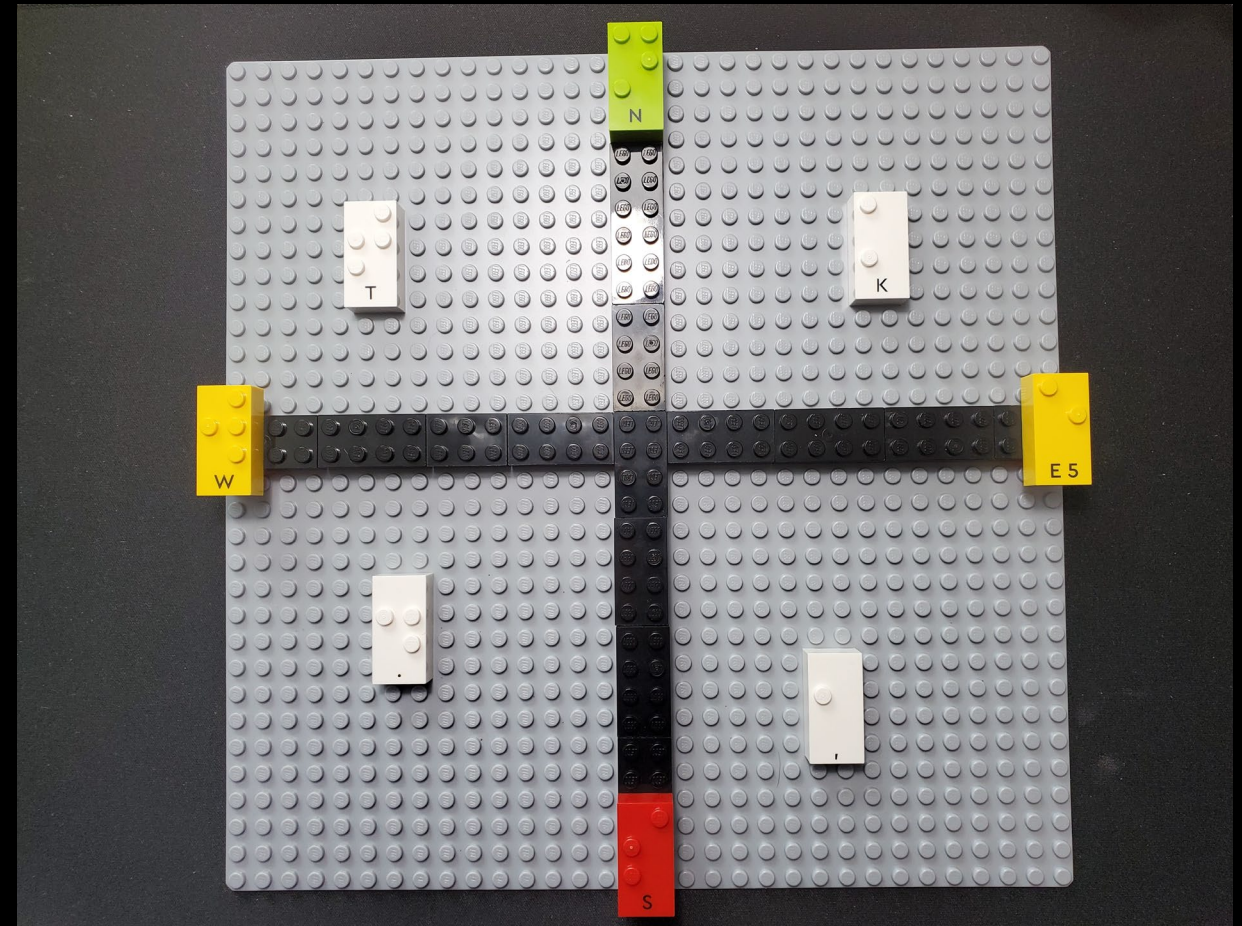
Alyson Lawani

- Certified Orientation and Mobility Specialist
- Southeast Regional Cooperative



Orientation Quadrants – Teacher Sharing

- Materials
 - ✓ 1 base plate
 - ✓ One each: N, S, E, W
 - ✓ 4 bricks with different dot configurations
- Holistic skills
 - ✓ Social
 - ✓ Creative
 - ✓ Cognitive



Upcoming Presentation

1:00 – 2:00 pm Eastern Time

- March 17, Brick-by-Brick Numeracy

PLAYFUL EXPERIENCES FOR PRE-BRAILLE INSTRUCTION

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