

Lesson 13: Beep, Beep!

Lesson 13 Overview: In Lesson 13, children are introduced to the Beep Block and write a 3-4 block program using this block.

Powerful Ideas from Computer Science: Representation, Hardware/Software
Powerful Ideas from Literacy: Tools of Communication and Language

I. Warm Up: The Many Emotions

- Share pictures of different feeling faces (smiling, crying, angry) and ask children what the faces are telling us. Discuss with children how they know when their friends are happy, sad, or angry.

II. Opening Tech Circle: Tools of Communication

- Display the Anchor Chart for Tools of Communication and talk about all the ways we can communicate feelings (e.g., words, voices, faces, etc.).

III. KIBO Time: Making Noise & Free Play

- Explain that one way KIBO can express itself is with sound, Discuss how KIBO makes different sounds when scanning is successful or unsuccessful.
- Introduce children to the Beep Block. Ask children what they notice about the block and how it's similar to or different from other blocks they have used.
- Scan a sample program to show what the block does. Re-scan the program, scanning the Beep Block multiple times to show that the number of times KIBO beeps corresponds to how many times you scanned the Beep Block.
- Have children engage in free play with KIBO. Make sure children can identify the beginning, middle, and end of their programs. Children should feel comfortable assembling a complete KIBO program with at least 2-3 blocks, including the Beep Block.

IV. Closing Tech Circle: Sharing Circle

- Have children share their programs made during free play. Encourage children to ask each other questions and give compliments.

KIBO Blocks:

Beep