

## KINDERGARTEN CURRICULUM ROADMAP

Children learn about what a robot is (and is not), explore human languages and programming languages, and are introduced to KIBO.

**Lessons 1-4**

Children learn how to create a goal-directed program, decorate their KIBOs using arts and crafts, and explore debugging.

**Re-Read** *Hidden Figures* in Lesson 9 and Lesson 10.

**Lessons 9-12**

Children learn about repeat loops and begin to work on their final project around *The Enormous Turnip*.

**Read Aloud** *The Enormous Turnip* in Lesson 19.

**Lessons 17-20**

**Lessons 5-8**

Children explore KIBO's programming blocks, and learn what an algorithm is. Children also learn about the Design Process and Writing Process.

**Read Aloud** *Hidden Figures: The True Story of Four Black Women and the Space Race* in Lesson 8.

**Lessons 13-16**

Children explore the Beep Block, Wait for Clap Block, Light Blocks, Lightbulb, and Sound Sensor. Children program KIBO to dance the Hokey Pokey.

**Sing and Dance** *The Hokey Pokey* in Lesson 14.

**Lessons 21-24**

Children complete their final *Enormous Turnip* projects. As they share in a final showcase, they discuss collaborations and contributions.

### Key Activity - Lesson 10: It's Our Party

Based on the book *Hidden Figures*, children create a program that celebrates the Apollo mission landing on the moon.

### Key Activity - Lesson 15: More Hokey Pokey!

Children program KIBO to dance the *Hokey Pokey*.

### Key Activity - Lesson 22: Your Final Project III

Children complete their KIBO program based on the beginning, middle & end of the adventure in *The Enormous Turnip*.