

### Lesson 3: KIBO's Body

**Lesson 3 Overview:** Lesson 3 introduces children to the parts of the KIBO robot and how to assemble KIBO.

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

#### I. Warm Up: Robot Parts Song

- Introduce the *Robot Parts Song* to children.

#### II. Opening Tech Circle: Building KIBO

- Have children reflect on the similarities and differences between their bodies and KIBO's robot body.

#### III. KIBO Time: Robot Parts

- Go over KIBO's key parts and their functions (e.g., body, wheels, motor).
- Weave in key ideas from lesson 2 around programming and programming languages (e.g., children will act as engineers when they give KIBO a program. The program they give KIBO is KIBO's language).
- Have children practice assembling and disassembling the KIBO wheels and motor.
- Review class norms around safely and appropriately using KIBO.

#### IV. Closing Tech Circle: Programming Clean-Up

- Sing the *KIBO Clean-up Song* with children.

#### Vocabulary:

Hardware

Languages

Motor

Program

Wheels