Coding as Another Language - KIBO
(CAL-KIBO)

DEV TECH RESEARCH GROUP

Lesson 8:
Writing Process

Lesson 8 Overview: Lesson 8 reviews the Design Process and discusses how it is similar to the Writing Process. Children explore the book *Hidden Figures* and start to plan how they will program KIBO to celebrate the moon landing.

Powerful Ideas from Computer Science: Design Process
Powerful Ideas from Literacy: Writing Process

I. Warm Up: Read-Aloud

• Read *Hidden Figures: The True Story of Black Women and the Space Race* as a class.

II. Opening Tech Circle: The Writing Process

• Discuss how books are created by people too, and authors go through a similar process with their writing. Show children the Design Process and the Writing Process anchor charts. Explain that both are creative processes that require imagination, planning, creating, revising, feedback, and sharing.
• Discuss the similarities and differences between engineers and writers.

III. Unplugged Time: How Do We Celebrate?

• Explain to children that, over the next few classes, they will be programming KIBO to be one of the characters from the *Hidden Figures* story celebrating the Apollo mission landing on the moon.
• Refer back to the Design Process Anchor Chart, and specifically, "brainstorming." As a class, brainstorm ways in which people express celebration.

IV. Word Time: My Celebration

• Using the Design Journal, in groups, children will plan how they will make their KIBO celebrate (e.g,, what will KIBO do first? Second? Etc.)

V. Closing Tech Circle: Sharing the Plans

• One member from each group of children will share their plan from the Design Journal.