

Lesson 7:
Let's Invent!

Lesson 7 Overview: Lesson 7 reviews the Design Process and discusses how it is similar to the Writing Process. Children explore the book *Whoosh!: Lonnie Johnson's Super-Soaking Stream of Inventions* and plan a KIBO project representing a creative invention.

Powerful Ideas from Computer Science: Design Process

Powerful Ideas from Literacy: Writing Process

I. Warm Up: Read-Aloud

- Read *Whoosh!: Lonnie Johnson's Super-Soaking Stream of Inventions* as a class.

II. Opening Tech Circle: Design Process and 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: Invention Brainstorm

- Explain to children that, over the next few classes, they will be programming KIBO to represent a creative invention of their choosing.
- Refer back to the Design Process Anchor Chart, and specifically, "brainstorming." As a class, brainstorm things children would like to invent.

IV. Word Time: Our Inventions

- Using the Design Journal, in groups, children will plan how KIBO will represent their invention (e.g., what will KIBO do first? Second? Etc.).

V. Closing Tech Circle: Sharing Our Plans

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

Vocabulary:

Author