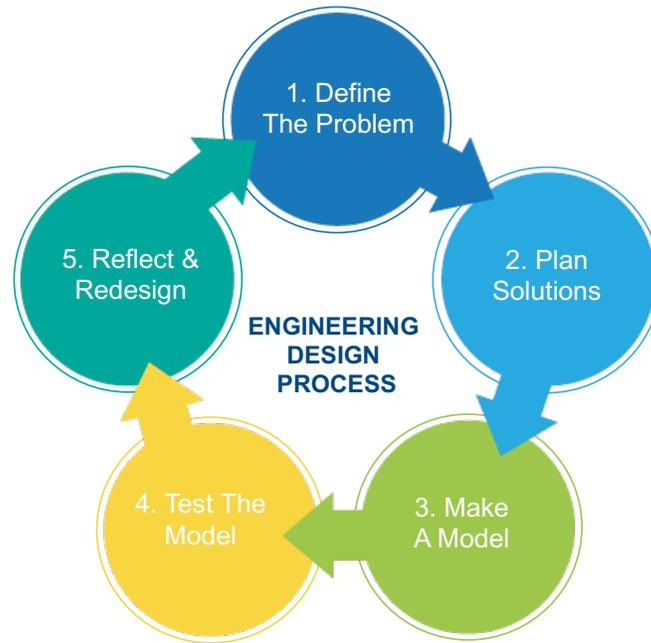


# Literature-based Engineering Design

## EDUCATOR GUIDE

Use classroom literature to identify problems a character faces, design solutions, and engage in the engineering design process.



**Step 1.** Read a book and identify problems the character(s) face.

**Step 2.** Select one problem and consider the character’s needs and context of the story as you brainstorm solutions.

**Step 3.** Students work individually or in teams to plan and build a functional prototype that addresses the character’s needs.

**Step 4.** Test the model.

**Step 5.** Reflect and redesign.