SCIENCE BACKGROUND
A situation that people want to change or create can be approached as a problem to be solved through engineering. Possible solutions to a problem are limited by available materials and resources. The engineering design process is a series of steps engineers use to guide them as they solve problems.

I CAN STATEMENT
✓ I can ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
✓ I can define a simple design problem reflecting a need or want that includes specific criteria for success and constraints on materials, time, or cost.

INGREDIENTS
- Turkey Baster
- Ping Pong Balls

INSTRUCTIONS
STEP 1: Using the turkey baster, engineer a turkey baster ping pong ball launcher, which will launch a ping pong ball at least 15 feet.
STEP 2: Convey your design through sketches, drawings, and a physical model, known as a prototype.
STEP 3: Test the prototype and refine the design by identifying changes that need to be made.

EXPLANATION
Using the engineering design process, which is a series of steps engineers use to guide them as they solve problems, you designed a turkey baster ping pong ball launcher. Applying a force pushes the ping pong ball out of the bulb of the turkey baster.