

Hershey's Kisses: Factory Simulation

Supplies

Foil
String or Ribbon
Scissors
Rulers
Play-Doh

General Instructions

1. Explain to the students that they are going to be producing "Hershey Kisses."
2. Inform students that there is a dual goal of speed and quality
3. Explain each of the roles in this assembly line:
 - A. Measuring foil squares
 - B. Cutting foil squares
 - C. Forming Play-Doh
 - D. Placing string inside
 - E. Wrapping finished "kiss" with ribbon inside
4. Set a timer for 3 minutes

Round 1

In Round 1, each student will be responsible for producing their own Hersey Kisses with the resources that are provided in their bag.

Round 2

In Round 2, place the students in teams of two and have them repeat the production process after they have had a couple of minutes to decide who will perform each task.

Round 3

In Round 3, place the students in teams of 3-4 and have them repeat the production process after they have had a couple of minutes to decide who will perform each task.

Debrief

After all three rounds are have been completed

- ✓ rank the groups by both quantity and quality
- ✓ ask the students to share their observations with regards to both quantity and quality
- ✓ ask students to consider some of the benefits of specialization and the assembly line process including
 - increased quantity of product
 - increased quality of product
 - persistence
 - teamwork
 - self-evaluation
 - the engineering process