

The Recall Challenge

SCENARIO

Duration: 30 min • Grades 6–8 • Facilitator-led

Overview

A branching scenario built like a mystery. Small groups review evidence — data logs, interviews, inspection photos — and decide what to change on the line to prevent the next recall.

Learning Objectives

- Practice root-cause analysis using real data
- Collaborate across roles to solve a shared problem
- Understand the cost of quality in manufacturing

Materials Needed

- Role cards (4 per group)
- Evidence packet (printable or digital)
- Team decision sheet

Facilitator Flow

- 1 Set the stage (3 min): read the recall memo aloud.
- 2 Assign roles (2 min): engineer, quality lead, operator, plant manager.
- 3 Investigate (15 min): groups analyze three evidence sets.
- 4 Decide (5 min): each team submits a written recommendation.
- 5 Share out (5 min): compare fixes across teams and reveal the true cause.