

Inside a Smart Factory

VIRTUAL TOUR

Duration: 25 min • Grades 6–8 • Facilitator-led

Overview

Students explore a working Pennsylvania manufacturing facility through an immersive 360° view. Hotspots pause the tour to explain what each machine does, who operates it, and how it connects to the next station.

Learning Objectives

- Identify five roles found on a modern factory floor
- Describe how digital tools support manufacturing quality
- Connect classroom math and science to industry tasks

Materials Needed

- Chromebook or tablet (1 per student or pair)
- Headphones (recommended)
- Printable observation guide (PDF)

Facilitator Flow

- 1 Warm up (3 min): show a familiar product and ask 'How was this made?' Capture answers on the board.
- 2 Launch the tour (2 min): open the 360° experience and demo one hotspot together.
- 3 Explore (12 min): students move through five hotspots, logging one role and one tool per stop.
- 4 Small-group debrief (5 min): compare notes — which role surprised you?
- 5 Exit ticket (3 min): 'Which station would you want to learn more about, and why?'

Want the full activity + facilitator guide?

Become a Founding Partner for early access and standards mapping.

p3sample.life/founding-partner

Presented by Think and Grow Solutions