

Lesson 12 Potato Chip Factory Subsystem III

Objectives: See lesson 10.

Materials: See lesson 11.

Sponge: Look at Improve handout (EiE 4-8).

Initial

Discussion: Talk about the improve step of the design process.

Have students discuss in their groups how they will improve their projects. Students fill out Improve handout (EiE 4-8).

Project: Students construct their subsystems by following their plan.

Discuss results of improvement:

- ∞ Did your design work better?
- ∞ What parts of your design worked well?
- ∞ What parts need further improvements?

Guide students in filling out handout Potato Chip Factory Intern Final Report (EiE 4-9).



Final

Discussion: Students present their projects to a group of distinguished guests, which should include some parents and other teachers in the school.

Credits: Summarized from Museum of Science (Boston) curriculum Simple Machines: Industrial Engineering (see <http://www.mos.org/eie/>).