



Competitive Event Prep Chapter 10

Manufacturing Techniques

Identify

Local and national events planned by TSA, SkillsUSA, and FIRST require months of planning. Events challenge students to work together to fulfill responsibilities efficiently.

Manufacturing techniques have been refined for years to produce products by the most rapid and cost-effective means possible.

Set Up

Study the types of production system designs introduced in this chapter. Each team members should take on the role of an employee in a fast-food company. Brainstorm the items that most students prefer to have on a deli sandwich. Purchase the chosen supplies.

Execute

Complete a production run for a six-foot deli sandwich. Implement the most rapid and cost-effective production means possible.

Evaluate

How long did it take to prepare the sandwich? Was cost sacrificed to save time? Was product removed to save cost? Were all team members working throughout the entire duration of the production? Would another type of manufacturing have been more efficient?

Share

Eat, enjoy, and debrief. If you still have enough supplies, execute the production run again with a different manufacturing technique, and compare and contrast the results.