

How it's made...a career!

Topic: "How it's made...a career"

Competencies: Students will:

- Demonstrate employability skills such as working on a team, problem-solving and organizational skill.
- Learn about manufacturing careers.

Length: One - Two Class Periods

Objective: Students will:

- Identify various items in their classroom that were manufactured.
- Describe what types of careers would be found in a manufacturing company.
- Identify educational requirements for careers in manufacturing (optional lesson).

Materials:

- "What is manufacturing?" presentation (Educational Materials/Summer Camp Lesson Plans)
- Flip chart paper
- Markers/crayons

Description of Activity:

1. Present the "What is Manufacturing" powerpoint.
2. Have students look around the room and come up with a list of at least 3 items in the classroom that were manufactured and 3 items that were not manufactured.
3. Briefly discuss the items they selected and how they think the items were made.
4. Put students in groups of 2 or 3.
5. Give each group a copy of "What is manufacturing" and "What jobs interest you?" (Educational Materials/Summer Camp Lesson Plans).
6. Have each group come up with a "new invention" and sketch out the manufacturing process (using each phase, Innovation, Design, Fabricate, Test, Market and Distribution).
7. Using the flip chart paper (this is a great floor activity), have the teams draw out the manufacturing process for one of their items.
8. Give teams 20-30 minutes to come up with, 1) their item 2) steps to make their items - design – put together – test – market – sell/distribute.
9. Have students identify what types of jobs would be involved in the making of their item (engineers, designers, quality control, etc) and how robotics would play a part in the manufacturing process.
10. Share their completed project with the class (optional).

What is manufacturing?

Discovering great careers in Florida



Manufacturing is...

- a process of changing raw or processed materials into products people can use.

Manufacturers have...

- many COOL careers that use your **imagination** and **skills** with the HOTTEST technologies to make better things for our world!
- over **16,000 manufacturing** companies with 400,000 employees.
- designed products you use every day, from the jeans you wear, to musical instruments you play.

DO YOU...

- ✓ Enjoy making things and tearing them apart
- ✓ Get excited about using new technology
- ✓ Work well with teams of people

...then the manufacturing industry may be the place for you!



What area in manufacturing interests you?



Aviation and Aeronautics



Leisure & Entertainment



Medical



Metals and Plastics



Electronic Devices



Systems Engineering

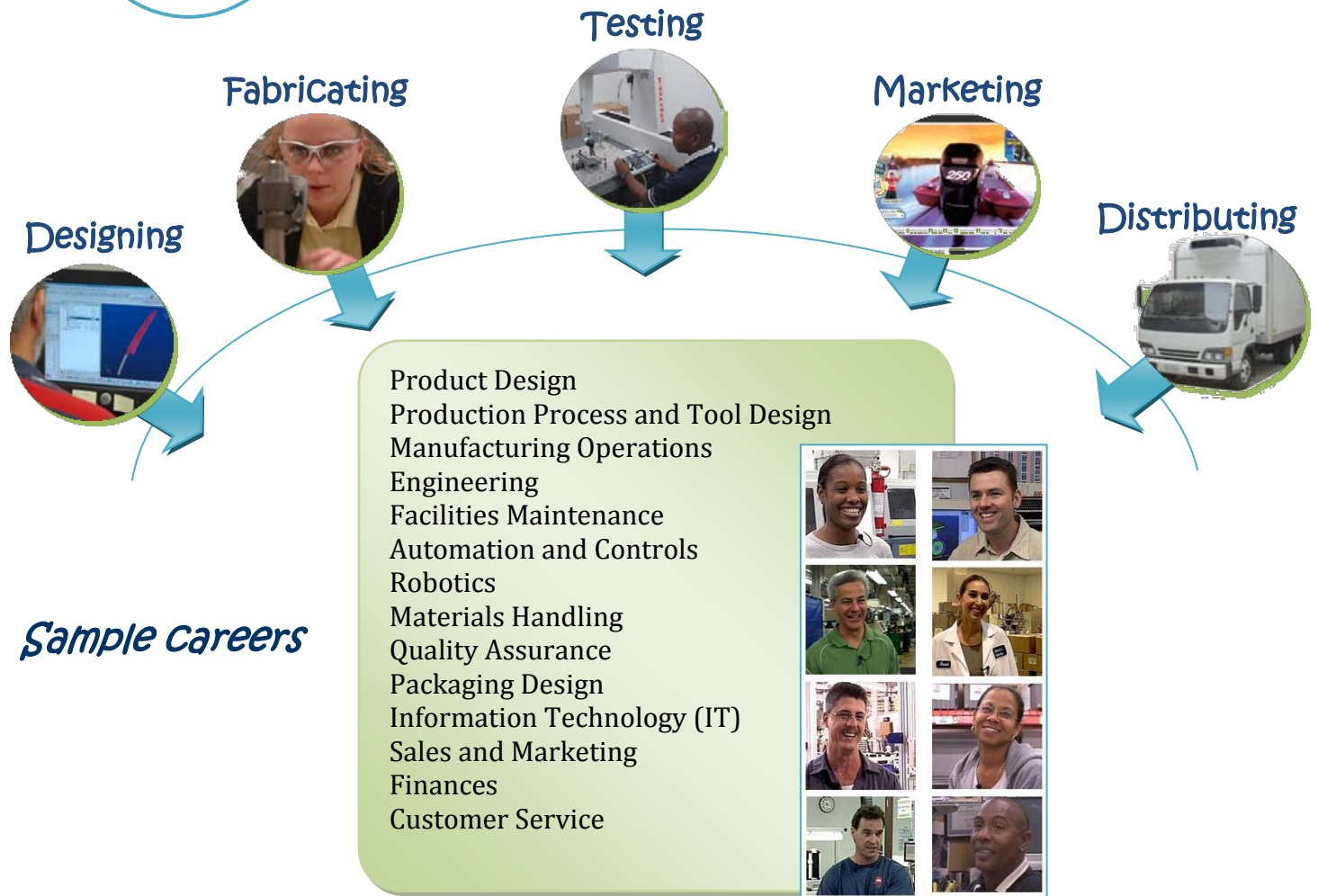


Food, Paper, Beverage & Cosmetics



Transportation

What jobs interest you?



Pathway to a career in manufacturing!

