

Module: Career and Education Planning

Topic: “Take a Road Trip” and discover Great Careers in Florida

Competencies: Students will:

- Demonstrate the ability to locate, understand, and use career information.
- Demonstrate employability skills such as working on a team, problem-solving and organizational skills.
- Use the Internet to access career and education planning.

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.
- Research career opportunities.
- Identify educational requirements for careers in manufacturing.

Materials:

- Made in Florida website - www.madeinflorida.org
- Handout = “What is Manufacturing” created by FLATE
- Handout = “Careers in Manufacturing” created by FLATE
- Sticky note pads

Description of Activity:

1. Divide students into teams of two or three students.
2. Have students look around the room, from their seats, 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. Have one member of the team label the items they chose with sticky notes (have each team put their names on the sticky notes).
4. Have the teams explain the items they selected and discuss how they think the items were made.
5. Have each team select one item from their list.
6. Give each student a copy of “What is Manufacturing” and “Careers in Manufacturing” created by FLATE.
7. Give teams 10-15 minutes to come up with, a) steps to make their items, for example, idea – design – put together – test – market – sell/distribute, b) what types of careers are available, and c) what type of companies for which they could work.
8. Have students individually write down two or more careers, from the handout(s), that they would like to

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know more about.

9. The homework assignment is to research the careers they chose. Select one career and complete a project. Students can find career information and educational requirements on the Made in Florida website (www.madeinflorida.org), under Education & Career Pathways and Links.

The project must include:

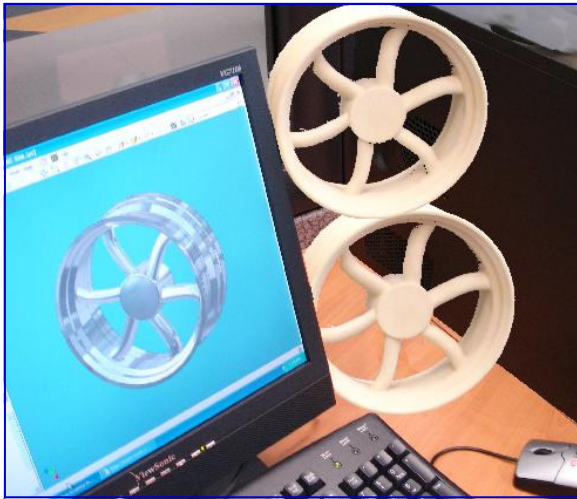
- Job Title
- Companies they could work for.
- Educational requirements – High School, Associates Degree, Bachelor's, etc.
- Diagram showing their career path (see “What is Manufacturing?” page 2 handout).

Evaluation:

Students will be evaluated on quality and creativity of their career project, research ability, and demonstration of teamwork skills.

What is Manufacturing?

Discovering great careers in Florida



Manufacturing is the process of changing raw or processed materials into products people can use.

Many COOL careers that use your **imagination** and **skills** with the HOTTEST technologies to make better things for our world!

Statewide over **16,000 manufacturing** companies and **400,000 Floridians** make products you use everyday

Manufacturers make almost every product you use, from the rims you buy, to the jeans you wear, to musical instruments you play.



If you get satisfaction by making something, get excited about using new technology, or you work well with teams of people, then the manufacturing industry may be the place for you.



These are some manufacturing sectors

Aviation and Aeronautics

Metals and Plastics

Biological and medical

Processing

Electronic Devices

Systems Engineering

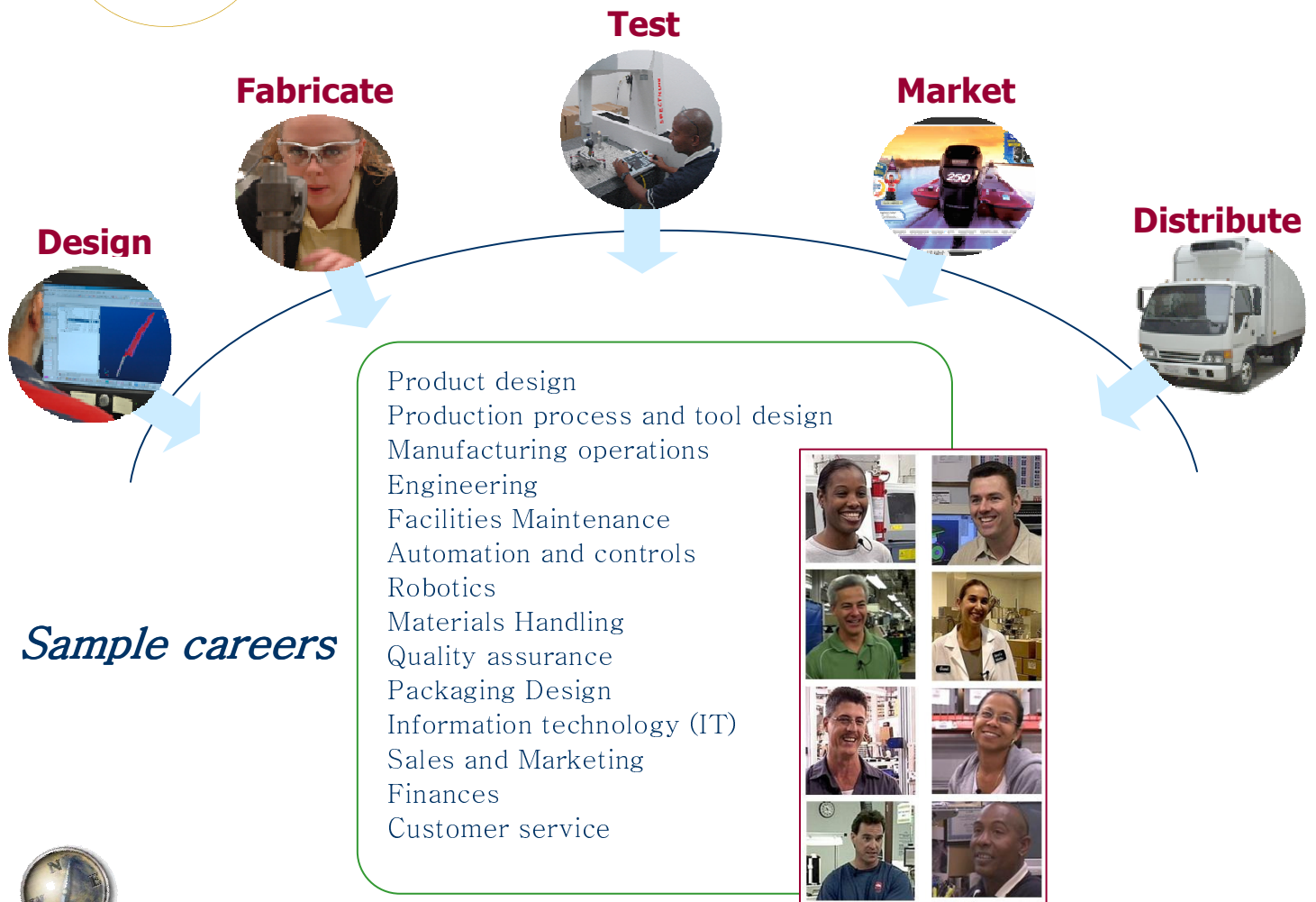
Food, Paper, Beverage
& Cosmetics

Transportation

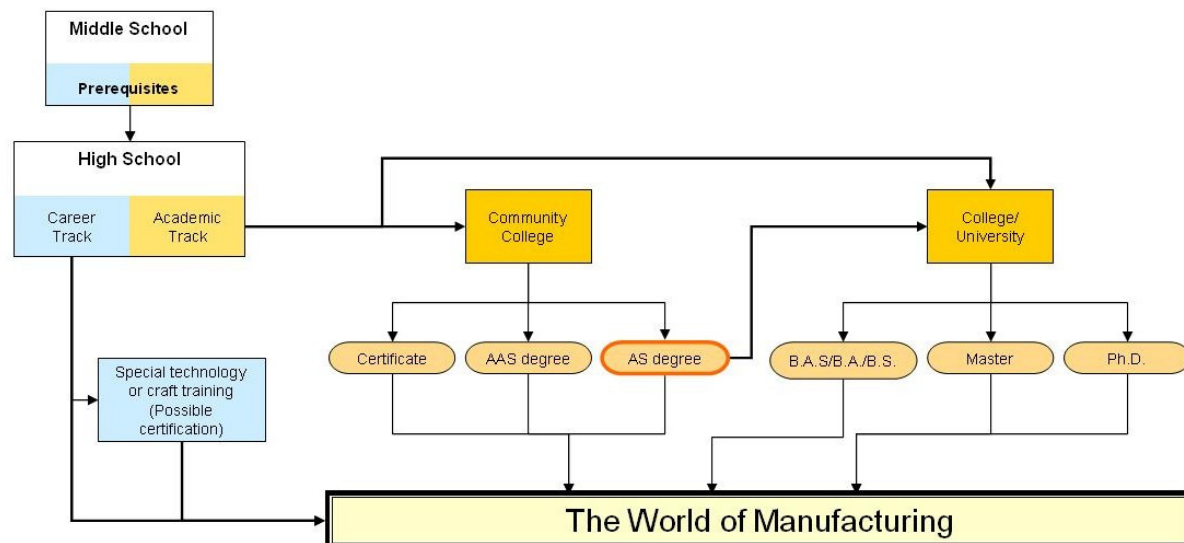
Leisure & Entertainment



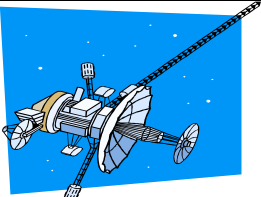


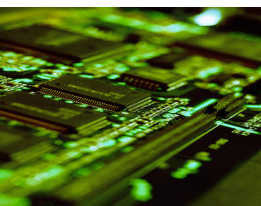
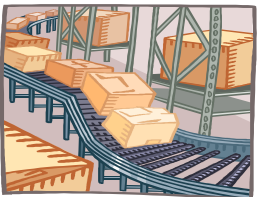
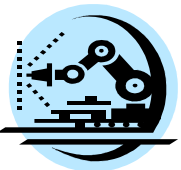


Which aspects of the manufacturing process might interest you?



Academic paths leading to careers in manufacturing



Careers in Manufacturing

Industry		Companies
Aviation & Aerospace		CAE USA Technology Research Consultants Pall Aeropower Lockheed Martin Aeronautics
Medical Devices & Equipment		Lorenz Surgical Baxter Healthcare Corporation Promedica
Transportation		Chris-Craft Industries Featherlite Sensor Systems/Fisher Motors
Electronics & Electrical		Tampa Armature Works Universal Microwave Cypress Semiconductor Jabil Circuit, Inc. VLOC
Food, Beverage & Packaging		Florida's Natural Packaging Corporation of America Tropicana Ven-Tel Plastics
Metal Machining & Product Fabrication		Sun Hydraulics Norris Precision Manufacturing Vulcan Machine Hunter-Douglas
Leisure & Entertainment		Aladdin Equipment Company Walt Disney Companies Busch Gardens Tervis Tumblers Universal Studios
Product Design & Integration		Sims Machine and Controls L-3 Communications New England Machinery Poly Pack