



Iowa Manufacturing: Visionary Leaders

Iowa's manufacturing leaders are making positive impacts on local, national, and global economies with emerging technologies. Learn how to connect with promising opportunities in manufacturing and connecting to applied science, technology, engineering and manufacturing standards 11.1 and 11.2; Agriculture, Food, and Natural Resources standard PST.01.02.

Event Date & Time:

March 4, 2021

1:30 PM - 2:00 PM

Partners: Iowa Association of Business and Industry Foundation (ABI)

Event Components:

This event will feature a discussion with leading Iowa manufacturers.

Questions:

1. Please tell us about your company--what products do you manufacture?
2. What new innovations are currently under development at your company? What emerging occupations might develop as a result of new innovations?
3. Tell us about all the different departments involved in creating the finished products you produce?
4. Explain how you ensure the number of products you produce meets the demand for your product?
5. Do you produce all the components necessary to build your products in-house, or are some things outsourced?
6. Do you have multiple manufacturing facilities? How do these facilities work together?

Service Area:

Applied Sciences, Technology, Engineering, and Manufacturing

Audience:

- High School ASTEM courses in technology, engineering and manufacturing
- High School AFNR courses in power, structural and technical systems
- Students in grades 5-14 interested in careers in manufacturing, STEM and agriculture

State Standards Covered:

Applied Science, Technology, Engineering, Manufacturing

- 11.1 Understand corporate structures that affect machining and forming production.
- 11.2 Understand that a machining and forming production management system includes planning, engineering, organizing, and controlling resources and manufacturing processes.

Agriculture, Food and Natural Resources

- PST.01.02 Apply physical science and engineering principles to design, implement and improve safe and efficient mechanical systems in AFNR situations

Classroom Activities:

John Deere provides great classroom exercises to learn about careers in manufacturing!

[John Deere Manufacturing Lessons](#)

[Virtual Tours](#)