

# Video Narratives in Manufacturing



45 MINUTES

Students view short videos about workers describing their jobs in the Manufacturing sector and write responses to questions about the videos. The following page describes and provides links to short videos on various careers in the sector. YouTube has hundreds of short videos on dozens of careers. Teachers may use the ones listed or find additional ones.



Constructed response



Cite evidence from the text to support your analysis

## PREP

- Pre-screen and select a video that students will view, using the recommended lists on the following pages or other videos that you find.
- Adapt the *Constructed Response: Manufacturing Career Video Narratives* worksheet to the video you choose.

## MATERIALS

- Requires use of a computer and projector.
- *Constructed Response: Manufacturing Career Video Narratives* worksheet

## EXPLAIN

- 1 Analyzing data about careers is important, but it's also helpful to hear about how workers in the field experience their jobs. If you met someone who works in a field you are interested in, what questions would you ask them?
  - › *What they do at work, how they got their job, what they like and don't like about it, and advice for newcomers to the field.*
- 2 Today we are going to watch a video about working as a \_\_\_\_\_. We are going to watch it twice. The first time, listen for the main ideas. Which career does the video describe? Does the worker seem to like his/her job? How do you know? Then, you are going to read a series of questions about the video, and watch the video a second time with questions in mind. After watching a second time, you are going to write responses to the questions. This is known as Constructed Response and is a type of question used on the TASC exam.
- 3 Play the video. Have a brief discussion about what students learned about the career and the worker's experience of it.
- 4 Distribute the *Constructed Response* worksheet. Ask students to read the questions, but not write anything yet.

- 5 Play the video a second time.
- 6 Ask students to complete the *Constructed Response* worksheet.

## Video Narratives About Careers in Manufacturing

The videos listed below depict a variety of Manufacturing careers. YouTube has hundreds more which can be found by doing keywords searches for “\_\_\_\_\_ career,” for example, “product assembler career.”

### MANUFACTURING CAREERS OVERVIEW

#### 1. Dream it, Do it! Manufacturing

Describes the field of Manufacturing, including technology’s impact, and ease of entry in the field without an advanced degree. *Run time: 2:11*

<https://www.youtube.com/watch?v=pURx4I0LfK0>

#### 2. “What’s So Cool About Manufacturing?”

A brief video that highlights a Manufacturing plant in Western New York. A variety of employees talk about their career history, their typical days, and what they like about their jobs. *Run time: 4:20*

<https://www.facebook.com/DidiWNY/videos/vb.256750394380053/926878857367200/?type=2&theater>

#### 3. Manufacturing Career Pathways

An overview of several careers in Manufacturing, with a first-person account from a Machinist. *Run time: 2:39*

[https://video.search.yahoo.com/yhs/search;\\_ylt=A0LEVjaGodpYDeIA21U nnlIQ?p=manufacturing+career+pathways&fr=yhs-mozilla-002&fr2=piv-web&hspart=mozilla&hsimp=yhs-002#id=2&vid=aff5f0378fbac8c-4b2a1ae997d3d5ff8&action=view](https://video.search.yahoo.com/yhs/search;_ylt=A0LEVjaGodpYDeIA21U nnlIQ?p=manufacturing+career+pathways&fr=yhs-mozilla-002&fr2=piv-web&hspart=mozilla&hsimp=yhs-002#id=2&vid=aff5f0378fbac8c-4b2a1ae997d3d5ff8&action=view)

### CAREERS IN PRODUCTION AND FABRICATION

#### 4. Electro-mechanical Technician

An Electro-Mechanical Technician describes his work and the training he received to get his job. *Run time: 1:52*

<http://www.owlguru.com/day-in-life-of-electro-mechanical-technicians/>

#### 5. Day in the Life of a Welder/Pipefitter

Explores the work of a Maintenance Mechanic through first person descriptions by workers from a variety of energy-related job sites,

including Big Creek Hydro Plant and Calvert Cliffs Nuclear Power Plant.

*Run time: 4:08*

<https://www.youtube.com/watch?v=l0Ks-DJoeEM>

#### 6. **CNC Machinist**

CNC Machinist, Walter Woods, takes us through his typical workday, describing his tasks and showing the tools and equipment he uses to do his job. He describes the most important skills needed for the job, and the education and on-the-job training he received. *Run time: 3:13*

<https://www.youtube.com/watch?v=0uD6INGRnTE>

#### 7. **CAD/NC (Computer Aided Design/Numerical Control) Programmer**

Jordan Blok, a CAD/NC programmer, talks about his job, the education program that his company offers, and his job satisfaction. Video shows a variety of work tasks and tools in use. *Run time: 1:18*

<https://www.youtube.com/watch?v=z8Gxs4Ms1Ak>

### **CAREERS IN PRODUCT DESIGN**

---

#### 8. **Product Design: Career Overview**

A general overview of what product design is—what the process entails, why it's important, and what draws people to the field. *Run time: 5:11*

[https://www.youtube.com/watch?v=k\\_J6CrPEkBU](https://www.youtube.com/watch?v=k_J6CrPEkBU)

#### 9. **Smart Watch Designer**

A Watch Designer takes us through the process of his idea to his prototype, including research, sketching, and a variety of revisions both on paper and computer. *Run time: 3:48*

<https://www.youtube.com/watch?v=lZy7dZOGjc0>

#### 10. **The Art of Engineering: Industrial Design at Delta**

Interviews with an industrial design and engineering team that takes us through the process of design, plan, and production of a water faucet.

*Run time: 9:12*

<https://www.youtube.com/watch?v=c1ksrjRA678>

### **CAREERS IN ASSEMBLING**

---

#### 11. **Electronic Assembler**

A general introduction to the work Electronic Assemblers do, including required skills. *Run time: 1:10*

[https://www.youtube.com/watch?v=olQ\\_2s6cddE](https://www.youtube.com/watch?v=olQ_2s6cddE)

## Constructed Response: Manufacturing Career Video Narratives

Write complete responses to the questions below, based on the video narrative.

- 1 Which career(s) does this video describe?
- 2 What does the person/people in the video do at work?
- 3 What types of tools, machines, and equipment do you see being used as part of the job?
- 4 Does the main speaker (or speakers) in the video enjoy his/her job? What does s/he like about it?
- 5 What are some advantages and disadvantages of working in this field, according to the speaker(s)?
- 6 Does the video make you more interested in this type of career or less interested? Why?