

Essential Question

What is it like to work as a preventative mechanic?

Vocabulary

- **Asset-** Any physical item, piece of equipment, property, or resource that has value to an organization and requires care to keep it functioning properly.
- **Tolerance-** The allowable amount of variation or deviation from a standard measurement or perfect condition before a part is considered broken or unsafe.
- **Component-** A distinct, individual part or element that combines with other pieces to form a larger, fully functioning system or machine.
- **Preventative Mechanic-** A skilled technician responsible for the routine inspection, servicing, and upkeep of machinery and equipment to prevent unexpected breakdowns and extend the operational lifespan of physical assets.

Before Viewing

Have students jot down answers to the following questions:

- What does it mean to be a preventative mechanic?
- What are the job duties of a preventative mechanic?
- What is the typical work environment of a preventative mechanic?
- What tools are used by a preventative mechanic to do his/her daily tasks?
- What is the education required to be a preventative mechanic?
- What are the skills necessary for being a preventative mechanic?

While Viewing

Have students think about the “Before Viewing” questions and write down the correct answers

After Viewing Activities

Have students discuss in pairs or small groups their answers to the “Before Viewing Questions” as well as the Discussion Questions for this resource.

The Careers That Work collection contains various activities for each featured career.

Grades 4-7

Career Information Worksheet

Pen Audit Activity

Use these activities to stimulate discussion around the preventative mechanic career.

Grades 8-12

Career Presentation

Divide your class into groups and ask them to present on the various topics around the preventative mechanic career.