

## **GAIN REAL-WORLD SKILLS AND EXPLORE CAREERS**

**Learn a variety of new skills while gaining valuable experience through Core Plus Aerospace.**

Proper use of hand and power tools comes into play in a variety of hands-on learning opportunities available through Core Plus Aerospace, an industry-backed high school manufacturing curriculum available in Washington high schools and skills centers. The curriculum focuses on developing fluency in tool selection as well as the English and metric systems of measurement. Students are routinely challenged to evaluate and determine what units of measurement to use and what factors go into selecting the appropriate tool for a specific task or project.

### **WITH YOUR SKILLS ANY PATHWAY IS POSSIBLE**

**1**

#### **Future Opportunities:**

- Certificate and degree programs
- Earn and learn programs
- A job in manufacturing

**2**

#### **What kind of credits can you earn?**

Depending on your district, you can earn math, science, English, Career and Technical Education (CTE), and elective credits.

#### **Pay Scale:**

Average annual salary for manufacturing employees in Washington: \$87,000

#### **Skills you will learn:**



**SAFETY**



**MATH**



**TECHNICAL SKILLS**



#### **More Info:**

[www.coreplusaerospace.org](http://www.coreplusaerospace.org)

**Developed by industry, the Core Plus Aerospace curriculum includes 1,080 hours of instruction and hands-on learning opportunities that prepare Washington high school students for aligned post-high training and college programs, apprenticeships, and manufacturing careers. Core Plus Aerospace students graduate with options.**

Core Plus Aerospace introduces students to the basic hand and power tools used in the workplace. Students will identify basic manufacturing tasks that hand tools, portable power tools, and installed power shop equipment and machinery may be used to accomplish. Students will have opportunity to up-skill on common power shop equipment, such as the drill press, disk sander, belt sander, pedestal grinder, ban saw, and manual foot shear. They also will become familiar with safety considerations, normal operating procedures, and common tool applications.

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## **DEVELOPING REAL-WORLD SKILLS**

Among many skills, students learn to:

- Articulate general safety hazards associated with use of hand and power tools.
- Specify the features and major components of each shop machine.
- Describe basic techniques and proper use of hand tools.
- Explain basic techniques and proper use of common power shop equipment and machinery.

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## **CONNECTING TO WASHINGTON STATE LEARNING STANDARDS**

Among many standards covered, Core Plus Aerospace students learn to:

- Reason quantitatively and use units to solve problems.
- Use units as a way to understand problems and to guide the solution of multi-step problems: choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.
- Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.

## **EXPLORE MORE**

Learn more about the curriculum and hear from Core Plus Aerospace teachers, students, and graduates employed in industry and attending college programs across Washington state.



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