

GAIN REAL-WORLD SKILLS AND EXPLORE CAREERS

Learn a variety of new skills such as precision measurement while gaining valuable experience through Core Plus Aerospace.

Precision measurement is crucial to manufacturing accuracy and quality as well as product reliability and performance.

Core Plus Aerospace students learn the importance of accurate precise measurement, understand how to define a part's features, become well versed in precision measurement tools (such as a scale, caliper, micrometer, and ball gauges), and practice their skills by determining measurements of various items.

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: \$88,000

Skills you will learn:



SAFETY



MATH



**TECHNICAL
SKILLS**



More Info:

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 school training and college programs, apprenticeships, and manufacturing careers. Core Plus Aerospace students graduate with options.

Students begin by understanding the definition of semi-precision measurement and how it is used in the aerospace industry. Students learn to correctly name a measurement value and gain hands-on experience measuring and caring for semi-precision measurement tools. Students are introduced to the concept of geometric dimensioning and tolerancing, using symbols to define a part's features. Students learn the definition of precision measurement and how to properly care for and handle precision measurement tools. They also learn to select the appropriate measurement tool needed for the task at hand.

DEVELOPING REAL-WORLD SKILLS

Among many skills, students learn to:

- Explain the care and handling procedures of semi-precision measurement tools.
- Identify the Geometric Dimensioning and Tolerancing (GD&T) symbols that represent specific tolerances.
- Define precision measurement and units used.
- Explain care and handling procedures of precision measurement tools.
- Select appropriate units and level of precision as defined by industry standards.

CONNECTING TO WASHINGTON STATE LEARNING STANDARDS

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

- Make sense of problems and persevere in solving them.
- Create equations and inequalities in one variable and use them to solve problems.
- Use appropriate tools strategically.
- Attend to precision.
- Apply geometric concepts in modeling situations.

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.



COREPLUSAEROSPACE.ORG