

6th Grade Essential Standards

- State the history and development of flight exploration AND experience principles.
- Identify the six simple machines and explain their applications AND distinguish between the three classes of levers.
- Recognize and perform calculations using metric units such as: length, weight, volume, or temperature.

7th Grade Essential Standards

- Use a standard ruler, a metric ruler, and a measuring tape to measure.
- Utilize and demonstrate critical thinking skills to make sense of problems and persevere in solving them.
- Work productively in teams, achieving common goals, while using cultural/global competence and practice effective relationship skills.

8th Grade Essential Standards

- Utilize and demonstrate critical thinking skills to make sense of problems and persevere in solving them.
- Apply CTE pathway skills in a project that requires project management, process control and quality assurance.
- Use vocabulary, symbols, and formulas commonly used in architecture, construction and engineering.