

MODULE DESCRIPTION

This module introduces students to systems of measurement and to the importance of understanding, interpreting, and accurately using measurements in trade and technical careers. Students will investigate the measurements and measurement tools commonly used in specific trade and technical fields. Students will have the opportunity to weigh their interest in specific trade and technical careers against their skills, abilities, and aptitudes for taking and using measurements required for successful work in those careers.

GUIDING QUESTION

3. MEASURING DISTANCE

STUDENTS WILL:

- a) Identify tools used for measuring distance
- b) Communicate distance measurements in appropriate units for the measurement task
- c) Demonstrate use and care of distance measuring tools
- d) Utilize appropriate distance measuring tools and procedures to accomplish tasks in specific trade areas

4. MEASURING WEIGHT

STUDENTS WILL:

- a) Identify tools for measuring weight
- b) Communicate weight measurement in appropriate units for the measurement task
- c) Demonstrate use and care of weight measuring tools
- d) Utilize appropriate weight measuring tools and procedures to accomplish tasks in specific trade areas

5. MEASURING VOLUME

STUDENTS WILL:

- a) Identify tools for measuring volume
- b) Communicate volume measurements in appropriate units for the measurement task
- c) Demonstrate use and care of volume measuring tools
- d) Utilize appropriate volume measuring tools and procedures to accomplish tasks in specific trade areas

6. MEASURING TIME

STUDENTS WILL:

- a) Identify tools for measuring time
- b) Communicate time measurements in appropriate units for the measurement task
- c) Demonstrate use and care of time measuring tools
- d) Utilize appropriate time measuring tools and procedures to accomplish tasks in specific trade areas

7. MEASURING TEMPERATURE

STUDENTS WILL:

a)

team selecting a measuring task card. They must find the appropriate measuring tool and find an appropriate career card to complete their turn and tag the next team member. The first team to complete the relay is the class winner. Discuss how different types of measurements

UNITED STATES DEPARTMENT OF EDUCATION EMPLOYABILITY SKILLS

Applied Knowledge: Applied Academic Skills, Critical Thinking Skills

The thoughtful integration of academic knowledge and technical skills put to practical use

Effective Relationships: Interpersonal Skills, Personal Qualities

The skills that enable individuals to interact effectively with clients, coworkers, and advisors

Workplace Skills: Resource Management, Information Use, Communication Skills, Systems Thinking, Technology Use

The skills employees need to successfully perform work tasks

RESOURCES

Disclaimer Posting of resources on this form does not constitute an endorsement from the New York State Education Department nor does it imply that the following resources are mandatory or the only ones that can be used. Teachers and administrators ensure that resources align with local policies and are responsible for choosing the resources that have the final authority, in alignment with local policies, to choose and utilize the resources that best meet the needs of their students. Questions regarding compliance with [Education Law 2013](#) should be directed to your administrator and/or chief information officer.

NEW YORK STATE DEPARTMENT OF LABOR: NEW YORK STATE CAREER ZONE

<https://www.careerzone.ny.gov>

Career Zone is a robust online career exploration and planning tool developed by the New York State Department of Labor. It offers career and education information on thousands of careers, as well as, self-assessment and career planning tools. Career Zone is appropriate for users from middle school through adult.

UNITED STATES DEPARTMENT OF LABOR CAREER ONESTOP

<https://www.careeronestop.org>

CareerOneStop is the career, training, and job search website for the U.S. Department of Labor. The website serves job seekers, businesses, students, and career advisors with a variety of free online tools, information, and resources.

ASSOCIATION OF CAREER AND TECHNICAL EDUCATION: CAREER PLANNING GUIDE

https://www.acteonline.org/wpcontent/uploads/2018/02/ACTE_CC_Paper_FINAL.pdf

Research has identified middle school as a time when students can benefit the most from