

NEW YORK STATE E

## MODULE DESCRIPTION

This module introduces students to the importance of safety in trade and technical careers. Students will examine the safety risks and hazards inherent in specific trade areas and learn about the ways workers can minimize risks and prevent hazards. Students will have opportunity to weigh their interest in specific trade and technical careers against their willingness to accept the typical risks of working in those careers. Students will explore the wide variety of trade and technical career options and identify the knowledge, skills, education, and training necessary for working safely in these fields.

## GUIDING QUESTION

What knowledge and skills are necessary to demonstrate appropriate and consistent use of policies, equipment, and techniques that foster workplace safety in trade and technical careers?

## MODULE CONTENT

### 1. SAFETY IN THE WORKPLACE

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#### STUDENTS WILL:

- a) Tell how safety procedures protect workers in trade careers
- b) Identify common safety hazards in specific trade areas
- c) Understand and utilize trade- v [(tr)

### 3. FIRE AND CHEMICAL SAFETY

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#### STUDENTS WILL:

- a) Identify common flammability and chemical hazards in specific trade areas
- b) Identify appropriate type and placement of fire and chemical emergency response stations in the classroom and workplace
- c) Participate in an exposure incident drill
- d) Understand the application of Safety Data Sheets to fire and chemical safety in specific trade areas
- e) Demonstrate appropriate use, care, and storage of flammables and chemicals in the classroom

### 4. LIFTING SAFETY AND FALL PREVENTION

## ILLUSTRATIVE ACTIVITIES BY THEME MODULE

These activities are intended to serve as examples of how the content in this module could be tied to each of the six middle level themes.

### CAREER AND COMMUNITY OPPORTUNITIES





## 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](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 career exploration, a process of building self-awareness, learning about potential careers, and developing a plan for reaching future goals.

## ADVANCE CTE: MIDDLE LEVEL CAREER INTEREST INVENTORY

<https://cte.careertech.org/sites/default/files/StudentInterestSurveyEnglish.pdf>

AdvanceCTE provides a Career Interest Inventory worksheet to use with students helping them identify the potential matches to the sixteen career clusters available to them.

## NEW YORK STATE TRADE AND TECHNICAL TEACHERS ASSOCIATION (NYSTTTA)

<https://www.nysttta.org/>

New York State Trade and Technical Teachers' Association (NYSTTTA) provides statewide opportunities for collaboration and focused professional development on curriculum, project ideas, assessment strategies, technical assessments, and student management.

## CAREER AND TECHNICAL EDUCATION TECHNICAL ASSISTANCE CENTER OF NEW YORK

<http://nyctecenter.org/>

The Career and Technical Education Technical Assistance Center (CTE TAC) operates under a state contract to assist the New York State Education Department (NYSED) in carrying out its mission of improving the quality, access, and delivery of career and technical education through research-based methods and strategies resulting in broader CTE opportunities for all students.