

Classroom Management and Laboratory Safety

PHILIP A. REED, PHD

Objectives

- Review state and professional resources
- Discuss laboratory management strategies
- View select websites
- Discussion



Virginia Department of Education

https://www.doe.virginia.gov/instruction/career_technical/index.shtml

- CTE program pages
- Safety Best Practice Guide for CTE
 - Personal Protective Equipment (PPE)
 - Safety Data Sheets (SDS; formerly MSDS)
 - CDC/NIOSH/Virginia safety curriculum:
<https://www.cdc.gov/niosh/talkingsafety/states/va/2015-161/default.html>
- Approved equipment lists for programs

Virginia's CTE Resource Center

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

- Courses organized in Canvas
 - Competencies and Student Competency Records (SCR)
 - Lessons and activities
 - Credential and Cluster/Pathway information
- Student and parent resources
- Work-based learning resources

Career and Technical Student Organizations (CTSOs)

DECA	http://www.deca.org	http://www.vadeca.org
Educators Rising	https://educatorsrising.org/	
FFA	http://www.ffa.org/	http://www.vaffa.org/
HOSA	http://www.hosa.org/	http://www.virginia-hosa.org/
FBLA	https://www.fbla-pbl.org/	https://www.vafbla-pbl.org/
FCCLA	http://www.fcclainc.org/	https://virginiafccla.org/
TSA	https://tsaweb.org/	https://tsavirginia.org/
Skills USA	http://www.skillsusa.org/	https://www.skillsusava.org/

Technology Student Association (TSA)

- Use officer structure for class leadership
- Instructional resources via competitive events and leadership activities
- Advisor mentoring/community



Professional Organizations

- State organization conferences (i.e., <https://www.vteea.org/>)
- Safety pages and guides
- PD for micro credentials/badges
- Open access curriculum
- Example: International Technology and Engineering Educators Association (<https://www.iteea.org/>)

ODU Technology Ed. Safety Site

<https://sites.google.com/odu.edu/odutechedsafety/home>



This website has been created to support the VTEEA Safety Workshop. All materials provided in this website are for sole instructor use only. The information herein has been provided for educational use and we have tried to source the information where available. The workshop instructors do not wish to claim credit for others' work, just to share access to the knowledge provided online. All materials linked in this website have been found in the public domain.

General Laboratory Management

- Clean and organize *relentlessly* at the beginning of each term
- Create signs and visual aids
- Use bins, labels, contact paper, etc. for visual management
- Have secure tool/material storage and other tool/material storage for student access/responsibility

General Laboratory Management

- Have a plan for everything... tools, materials, projects, cleaning, visitors, etc.
- ...most importantly: *students!*
 - Educate for ownership
 - Crosstrain and rotate

Website Overviews & Discussion

- Philip A. Reed, Ph.D.
Old Dominion University
4121 Education Building
Norfolk, Virginia 23529-0157
757-683-4576
preed@odu.edu

