



Office of Career and Technical Education

eXperience WORKS

A Convening of Business Leaders and Educators

Program Area Updates

Sharon Acuff, Health and Medical Sciences

Helen Fuqua, Family and Consumer Sciences

Judy Sams, Business Information Technology and Marketing

Anthony Williams, Trade and Industrial Education and
Technology Education

Carly Woolfolk, Agricultural Education Specialist

Health and Medical Sciences

- **UPDATED BOARD REGULATIONS:**
 - Practical Nursing and Nurse Aide
 - Emergency Medical Technician

- **Pharmacy Technician Summer Professional Development**
 - July 18-20, 2016 - VCU School of Pharmacy Richmond, Virginia
 - This program is designed for pharmacy technician course instructors and other clinical professions.

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Health and Medical Sciences



**Virginia Health and Medical
Sciences Educators Association**

VAHAMSEA Pre-Conference: Monday, July 25, 2015 in Virginia Beach, Virginia

- National Academy of Sports Medicine Certified Personal Trainer Curriculum
- Announcing the Emergency Medical Technician Educational Program Guidelines Update Course
- Practical Nursing Directors and Instructors Meeting

VAHAMSEA Post Conference: Thursday, July 28, 2016 and Friday, July 29, 2016 - Virginia Beach, Virginia

- Announcing the Nurse Aide Program Train-the-Trainer Workshop

Business and Information Technology and Marketing



- Logical places for all components of work-based learning
- Easy integration into classroom and extended classroom, CTSO activities
- Short-term activities
 - Bank Day
 - Take your Child to Work Day
- Extended-term activities

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Business and Information Technology and Marketing



- Service Learning
 - Castlewood High School Project
 - CTE classes are perfect springboards for service learning projects
- Cooperative Education
 - Extended classroom that offers credit, pay, and on-site learning
- Internships
 - Can be short-term or long-term; paid or unpaid
 - Increase in grades and interest result from real-world and real-time learning

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Business and Information Technology and Marketing



- Challenges and Solutions
 - No release time to supervise
 - Involve more teachers in planning and supervision
 - Network to see what other teachers are meeting challenges
 - Expand work-based learning sites
 - Create scenarios from workplace experiences to use in classroom instruction
 - School-wide service learning or job shadowing day
 - Don't say "It Won't Work" —figure out ways to see "How to Make it Work"

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Trade and Industrial Education



- Relationships are established with business and industry professionals.
- Students connect classroom instruction to the workplace.
- School personnel can stay updated with the latest trends and best practices.

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Trade and Industrial Education



JMU Classroom Management Course

Program Specific Technical Updates:

- Automotive and Diesel Technology
- Auto Body Technology
- Building Maintenance
- Construction Trades
- Computer Systems Technology
- Cosmetology
- Criminal Justice/Public Safety
- Drafting
- Electricity
- Electronics/Industrial Robotics
- HVAC
- TV & Media Production
- Welding



Virginia Association of Trade and Industrial Educators



Trade and Industrial Education



Trade and Industrial Education Professional Development

- Occupational Safety and Health Administration (OSHA) Workshops
- SOLIDWORKS – Industry CAD Certification: Preparing Students for Success
- Manufacturing Skills Institute (MSI) Manufacturing Technician Level 1 (MT1) Train-the-Trainer Course
- Microsoft Imagine Academy Microsoft Technology Associate (MTA) Certification Workshop
- Ensuring Safety: Scaffolding Train-the-Trainer Course

2017 VATIE Summer Conference
July 22—July 31, 2017
Norfolk Waterside Marriott, Norfolk, VA

Technology Education



Updates on

- Mechatronics
- STEM
- Autodesk Software
- 3-D Printing
- Design
- Geospatial Technology
- Instructional Design
- Electronics Prototyping
- Maker Spaces
- Microcontrollers
- Robotics
- Simulation Software
- Laser Engraving



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Technology Education



- Manufacturing Skills Institute (MSI)
Manufacturing Technician Level 1 (MT1)
Train-the-Trainer Course
Preconference Workshop
- July 25 Energy and Power Bootcamp



Agricultural Education



- Pesticide Certification
 - Private Pesticide Applicator – individuals age 16 and up can hold the license
 - Commercial Applicator – individuals age 18 and up – required for teacher or student spraying on government property (including the school)
- Professional Development – VAAE Summer Conference
 - July 18-21, 2016 – Culpeper, VA
 - Certifications/Recertification for teachers on Monday, July 18
 - www.vaae.info