

Governor's STEM Academy Brief



Office of Career and Technical Education

VOLUME 49—GOVERNMENT & PUBLIC ADMINISTRATION;
LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

JANUARY 14, 2016

The purpose of the monthly brief is to provide information, resources, and a networking vehicle to support the STEM (science, technology, engineering, and mathematics) Academies in Virginia.

GOVERNOR'S STEM ACADEMIES SPOTLIGHTS

Landstown High School Governor's STEM Academy & Technology Academy, Virginia Beach Public Schools, is one of 60 schools nationwide named a 21st Century Learning Exemplar School by the Partnership for 21st Century Skills (P21). Exemplars at Landstown cited for transforming learning include:

- Collaborative teaching and learning
- Shared leadership
- Student voice and student choice
- Engaged community partnerships
- A cultivated climate of achievement
- Data-driven and research-based practices in curriculum, instruction, assessment, and professional development

The innovative learning environment at the Governor's STEM Academy is based on a multitude of specialized classes. For further information contact Dr. Brian Matney, principal, at Brian.Matney@VBSchools.com or Lisette Diehl, academy coordinator, at Robin.Diehl@VBSchools.com.

CAREER LINKS—GOVERNMENT & PUBLIC ADMINISTRATION

- [USAJOBS: Pathways for Students & Recent Graduates to Federal Careers](#)
- [Career Opportunities in Virginia Government](#)
- [Chron: Careers in Public Administration](#)
- [National League of Cities: Career Center](#)
- [About a Career in \[Urban\] Planning](#)
- [What Is the Meaning of Public Sector Employment vs. Private?](#)
- [The Differences Between Working in Federal, State or Local Government](#)

For resources on technology in public administration, see the following:

- [Smarter Cities](#)
- [MIT: City Science](#)
- [Smart Cities Council](#)
- [Why Smart Cities Need to Get Used to Security—and Fast](#)
- [Vibrant Economies Are Built on Insight \(IBM Infographic\)](#)
- [International City/County Management Association: Information Technology in Local Government—The Road to “Big Data” May Be in Starting Small](#)

Sources that feature current practices in local government include the following:

- [Governing.com](#), which includes a variety of government-service-related articles
- [Alliance for Innovation: Transforming Local Government](#), which highlights issues currently facing municipalities and county government

INSTRUCTIONAL STRATEGIES—GOVERNMENT & PUBLIC ADMINISTRATION

Lessons and classroom resources about the various levels of government include the following:

- [The Center for Civics Education: Lesson Plans](#)
- [Scholastic.com: Lesson Plans](#)

- [Library of Congress: Civics and Government](#)
- [ShareMyLesson: Functions of Government](#)
- [The White House: Our Government](#)
- [iCivics: State and Local Government](#)
- [Lessons on Local Government](#)
- [National Association of Counties: Why Counties Matter](#)
- [AP Human Geography: Chapter 13 Urban Patterns](#)
- [Introduction to Town Planning and Planning Concepts](#)
- [Annenberg Classroom: Student Voices—Local Government Curriculum](#)

CAREER LINKS—LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

- [Becoming a Police Officer](#)
- [Top Fire Science Degree Jobs](#)
- [Recruiter: Law, Public Safety, Corrections and Security Careers](#)
- [Legal Career Path](#)
- [Discover Corrections](#)

INSTRUCTIONAL STRATEGIES—LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

- [Virginia Rules: Teens Learn & Live the Law](#) is an extensive online resource for instructors, students, and parents that teaches Virginia’s criminal and civil law as it applies to the everyday life of teens.
- [Justice 101](#), from the Offices of the United States Attorneys, features a comprehensive introduction to the U.S. criminal justice system.
- For national and state court information, including cases and codes, see [Supreme Court of the United States](#), [Virginia’s Judicial System: Court System](#), and [FindLaw](#).

Resources for classroom study of technology in law and law enforcement include the following:

- [How is Computer Technology Used in Law Enforcement?](#)
- [Network World: How the Internet of Things Is Transforming Law Enforcement](#)
- [Introduction to Biometrics](#)
- [Body Armor Designed to Safeguard Officers’ Lives](#)
- [Finding Solutions to the Challenges and Perils of Pursuits \(GPS\)](#)
- [Product Feature: Predictive Policing Helps Law Enforcement “See Around the Corners”](#)

Public safety resources are provided by many government units, including the following:

- [Centers for Disease Control and Prevention](#) (See [Emergency Preparedness and Response](#) and [An Introduction to Applied Epidemiology and Biostatistics](#).)
- [U.S. Food and Drug Administration](#) (See safety resources for consumers, patients, health professionals, and industries.)
- [Federal Bureau of Investigation](#) (See especially [Cyber Crime](#) and [Internet Crime Schemes](#), as well as [Fun & Games](#) for students.)
- [U.S. Department of Homeland Security](#) (Find [topics](#) related to national law enforcement and public safety, as well as [documents](#) such as fact sheets and case studies.)
- [Virginia Department of Emergency Management](#) (See disaster readiness/recovery resources.)
- [GPS.gov: Public Safety and Disaster Relief](#) (Learn how GPS can be used to prevent loss of lives in the event of weather, fire, earthquakes, and other natural and human-caused disasters.)
- [InterFIREonline: Resource Center](#) (Find fire and fire investigation information and the National Fire Protection Association’s [Wildland/Urban Interface: Fire Department Wildfire Preparedness and Readiness Capabilities](#), a study that explores the threats of wildfires to towns and cities.)

For more information, contact Dr. Lynn Basham, editor, Office of Career and Technical Education, at cte@doe.virginia.gov or by telephone at (804) 225-3119.