

Governor's STEM Academy Brief



Office of Career, Technical, and Adult Education

VOLUME 65 — EDUCATION AND TRAINING

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

CAREER CLUSTER SPOTLIGHTS

To have a successful career in the Education and Training Career Cluster, students will need to gain a range of academic, technical and foundational skills that include teamwork, communication and critical thinking. Careers include teaching in a classroom, leading as an administrator, serving as a school counselor, and working as a corporate trainer in industry.

By 2024, a number of teachers are expected to retire, leading to a rise in job prospects for educators. Employment also is expected to increase for preschool and middle school teachers, due to higher enrollment. The increased emphasis on early childhood education is driving the demand for pre-school teachers. Job prospects should be better for teachers with bachelor's degrees and for those who have prior experience working with school-aged children. A shortage of qualified teachers for Career and Technical Education (CTE) provides opportunities for career switchers, as well as teachers from traditional college programs. The Education and Training cluster is expected to employ nearly 29,400 more in the coming years, for a total of about 254,800 workers by 2024.

CURRENT DEVELOPMENTS IN EDUCATION AND TRAINING

Learn about current events and careers in the Education and Training cluster.

- [How to Get Minorities in the Teaching Profession](#) from *Huffington Post*
- [Retaining Teachers During Shortages](#) from *CanonCityDailyRecord.com*
- [How We Teach Our Children in the Digital Age](#) from *IrishExaminer.com*
- [A Potential Teacher Crunch Looms](#) from *CNBC.com*
- [What if the Principal Could Focus on Achievement?](#) from *NPR.org*
- [Technology in Education: Is it Worth the Investment?](#) from *Roanoke.com*
- [Schools want more social workers and counselors but struggle to find money to hire them](#) from *NewsObserver.com*
- [Current issues in education](#) from *K12.com Official site*
- [Principals' perceptions of their knowledge in special education](#) from *Current Issues in Education*

INSTRUCTIONAL STRATEGIES IN EDUCATION AND TRAINING

Useful instructional materials such as lesson plans, presentations, and assessment information are listed below .

- [Differentiated Instruction Lesson Plans](#) from *InstructionalStrategies.org*
- [High School Teaching Strategies](#) from *InstructionalStrategies.org*
- [Behavior Management in the Classroom](#) from *InstructionalStrategies.org*
- [Questioning Techniques for Teachers](#) from *InstructionalStrategies.org*
- [Instructional Strategies](#) from *Fortheteachers.org*
- [Learning Principles](#) from *Carnegie Mellon University*
- [Teaching Principles](#) from *Carnegie Mellon University*

- [Developmentally Appropriate Practice \(DAP\)](#) from NAEYC
- [Teaching Strategies](#) from CRLT
- [How to Prepare Students to Become Teachers](#) from *Education World*

CAREERS IN EDUCATION AND TRAINING

Various aspects of the career cluster can be investigated below.

Training and Development Careers:

- [Training and Development Managers](#) from *Bureau of Labor Statistics*
- [Training Specialist: A Day in the Life](#) from *the Princeton Review*
- [Corporate Training and Team Building](#) from *All About Careers*
- [Becoming a Corporate Trainer](#) from *Learning Path.org*
- [Qualities of a Corporate Trainer](#) from *eHow*
- [Three Qualities to Look for in a Corporate Trainer](#) from *Petrotechog.com*
- [Making Training Meaningful](#) from *YourTrainingEdge.com*

Educational Administration Careers:

- [Educational Administrative Careers](#) from *AllEducationSchools.com*
- [Administrative Assistant Education Requirements](#) from *Study.com*
- [What Are the Requirements for Becoming a School Administrator?](#) from *Learn.org*
- [How to Become a High School Administrator](#) from *Study.com*
- [Principal/Administrative Certification](#) from *Teaching Certification.com*
- [What it Takes to Become a Principal](#) from *EducationDegree.com*

Counseling Careers:

- [How to Become a Virginia School Counselor](#) from *School-Counselor.org*
- [Becoming a School Counselor](#) from *Teacher.Org*
- [Why Elementary School Counselors?](#) from *American School Counselor Association*
- [Become an Elementary School Counselor in 5 Steps](#) from *Learn.org*
- [Qualities and Characteristics of Counselors](#) from *Counseling.org*
- [Building Rapport with Students](#) from *School-Counselor.org*

Teaching Careers:

- [Learn More About Education](#) from *Teacher.Org*
- [Education, Training, and Library Occupations](#) from *Bureau of Labor Statistics*
- [How to Become a Teacher](#) from *LearnHowtoBecome.org*
- [Advice on How to Become a Teacher](#) from *the Balance.com*
- [How to Become a Teacher in Virginia](#) from *teachingdegree.org*

Adult Education Careers:

- [How to Become an Adult Education Teacher](#) from *teachingdegree.org*
- [Learn How to Become an Adult Education Teacher](#) from *alleducationschools.com*
- [BLS: Adult Literacy Teachers](#) from *Bureau of Labor Statistics*

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