

Virginia ACTE News

Greetings from the President

Welcome to the Virginia Association for Career and Technical Education's fall 2010 newsletter. In it, you will find information about your state association's many activities, upcoming events, available scholarships, and ways for you to get involved.

Your state professional organization is here to support you and to provide opportunities for Career and Technical Education (CTE) to expand and become more visible throughout the Commonwealth. In return, VACTE needs you as a contributing member! With so many economic factors influencing decision makers, the time has never been more important for you to become involved in VACTE, which seeks to influence policies affecting Career and Technical Education.

VACTE serves as the umbrella organization for all CTE programs, their respective professional associations, and individual administrators and classroom teachers throughout Virginia. It is a source of information for all who have an interest in Career and Technical Education. VACTE communicates with members and other interested parties in many ways, including its Web site <<http://www.vacte.net>>, newsletters, e-mail lists, public policy literature, winter leadership seminar, displays at all CTE summer conferences, and its latest product, the CTE Fact Sheet, which highlights statistics about CTE in Virginia.

I urge you to participate in the upcoming Professional Leadership Seminar in Richmond, January 13-14, 2011. The registration forms are included in this newsletter, beginning on page 7, and are also available on the VACTE Web site. *Virginia's Career and Technical Education: Education for a Strong Economy* is the theme. This is an excellent opportunity for you to get involved, meet, and network with colleagues, and participate in important VACTE activities.

Please feel free to contact me with your comments, concerns, suggestions, and ideas. I am honored to serve as VACTE President during 2010-2011. Together, let's make this a great year for VACTE!



Sid

Sidney G. Delepine, III
VACTE President
sidney.delepine@vbschools.com

**Virginia
ACTE** **BE ONE ... GET ONE!**
Be a member and get a member!

Membership in the statewide umbrella association, VACTE, should be a priority for anyone interested in and supportive of CTE in Virginia.

The potential VACTE membership is more than 5,000, and VACTE needs YOU! VACTE works for ALL CTE programs and addresses concerns that could enhance CTE. It also monitors and tracks issues that would not be in the best interest of CTE programs, workforce and economic development, and especially students enrolled in CTE courses.

VACTE does not endorse candidates or party affiliation. VACTE works with bi-partisan policy makers as they endorse and support expansion of CTE in Virginia.

A membership form is included in this newsletter for your convenience. It is also available on the VACTE Web site <<http://www.vacte.net>>. Complete the form and mail it today!

Be a member and get a member: BE ONE ... GET ONE! Imagine if each of us got one new member today! Have your colleague complete the membership form and mail it today, and overnight, we could double or triple membership!

BE ONE ... GET ONE ... TODAY!

VACTE 2010-2011 Board Meeting Calendar

VACTE board meetings are open to all members. The planned 2010-2011 board meetings are as follows:

January 13, 2011	Crowne Plaza Hotel Richmond, VA	9:30-Noon
March 21, 2011	CTE Resource Center Richmond, VA	10:00-2:00
May 16, 2011	CTE Resource Center Richmond, VA	10:00-2:00

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2010–2011 Public Policy Concerns for Career and Technical Education

With the assistance of many groups and individuals, VACTE developed a fact sheet to share with policy makers, business partners, and other groups interested in CTE. **CTE: Education for a Strong Economy** provides statistics that show CTE continuing to expand and offer secondary education programs that prepare students for both further education and the competitive workforce. The fact sheet is a way to show local and state business and policy leaders the success of CTE students and the huge contribution that CTE provides the Virginia economy. The fact sheet can be downloaded from the VACTE Web site at <http://www.vacte.net/public_policy.html>.

State policy makers and business leaders recently received the **Issues and Solutions for Career and Technical Education in Virginia 2011**, the VACTE document that outlines its policy concerns for 2011. A reproducible copy of **Issues and Solutions** is included in this newsletter and is also available in two formats on the VACTE Web site <http://www.vacte.net/public_policy.html>. By discussing these concerns, along with possible solutions, with policy makers, we can ensure they are consistently hearing CTE's message throughout the Commonwealth.

Every year is a crucial year, and, as our state and federal budgets continue to be a concern, it is important that VACTE work to protect and, when possible, restore funding for CTE initiatives. None of this can happen without your work at home, networking with local policy makers. We rely on you to tell them of the many successes of CTE students and the importance of CTE's contributions to the workforce and overall economy.

VACTE has enjoyed the outstanding relationship with Richard (Dick) Pulley for more than 10 years. Dick's expertise in public policy matters has been a great asset to VACTE. Dick is retiring effective December 30. We wish him well and will honor (roast) him during the January 2011 VACTE Professional Leadership Seminar. VACTE recently retained the services of David Bailey for public policy advisement and look forward to working with him and his associates.

Please feel free to contact either of us with questions or suggestions regarding VACTE's public policy concerns. We'd love to hear from you!



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Looking Ahead . . . 2011 CTE Summer Conferences

July 18–21	VAAE–Virginia Association of Agriculture Educators Conference	Charlottesville
August 1–3	VATFACS–Virginia Association of Teachers of Family & Consumer Sciences Conference	Roanoke
August 3–5	VATIE–Virginia Association of Trade & Industrial Educators Conference	Norfolk
July 25–29	VBEA–Virginia Business Education Association Conference	Virginia Beach
August 3–5	VTEA–Virginia Technology Education Association Conference	Suffolk
August 2–5	VAME–Virginia Association of Marketing Educators	Virginia Beach



2010-11 VACTE and Division Membership Application

Dennis Belyea, Treasurer
 Edison Academy, 5801 Franconia Road, Alexandria, VA 22310
 Office 703-924-8105, Fax 703-924-8197
 E-mail DCBelyea@fcps.edu

Name _____
Last First Middle

Home Address _____

City _____ State _____ ZIP _____

Home Phone No. _____

Cell Phone No. _____

School E-mail Address _____

(By providing your e-mail address, you will be registered in the VACTE mailing list, an exclusive benefit to members.)

Other/Home E-mail Address _____

(By providing your e-mail address, you will be registered in the VACTE mailing list, an exclusive benefit to members.)

Would you also like to receive emails regarding federal and state legislative issues through VACTE's "LegNet" email list? Yes ___ No ___

CTE Subject Area Taught _____

School Division _____

School/Business _____

School/Business Address _____

City _____ State _____ ZIP _____

Work Phone No. _____

Fax No. _____

Position Title (check)

- Classroom Teacher
- Administrator/Supervisor
- Business Partner
- Counselor
- University Teacher Educator
- Retired
- Student
- Other

Member Information: New Member Renewal

VACTE DIVISION & NATIONAL ASSOCIATIONS

	Professional/ Business Partner	Loyal/ Retired	Student	
Administration (VACTEA)	\$25.00	\$100.00	\$25.00	_____
Agricultural Education (VAAE) <i>(includes NAAE and VAAE)</i>	100.00	100.00	5.00	_____
Business & Information Technology (VBEA)	15.00	10.00	NC	_____
Business & Information Technology (NBEA) <i>(includes SBEA and NBEA)</i>	80.00	50.00	40.00	_____
Health & Medical Sciences (VAHAMSEA)	10.00	10.00	10.00	_____
Family & Consumer Sciences (VATFACS)	45.00	5.00	5.00	_____
Marketing (VAME)	20.00	20.00	1.00	_____
Marketing (MEA)	56.00			_____
Special Needs (VACTE-SND)	10.00	4.00	3.00	_____
Technology Education (VTEA)	20.00	20.00	5.00	_____
Technology Education (ITEEA)	80.00			_____
Trade & Industrial Education (VATIE) <i>(includes VACTE)</i>	30.00	10.00	10.00	_____

VACTE MEMBERSHIP

Professional	\$20.00	_____
Retired	\$5.00	_____
Student	\$5.00	_____
Business Partner	\$20.00	_____
New Teacher	Free	_____

ACTE MEMBERSHIP

Affiliated	\$ 80.00	_____
Retired – Loyalty	\$ 31.00	_____
Student	\$ 10.00	_____

Voluntary Contribution to the VACTE Student Scholarship Fund _____

TOTAL ENCLOSED _____

PAYMENT INFORMATION

- CHECK, *Make Payable to VACTE*
- CREDIT CARD (*Mastercard or VISA Only*)
 - Mastercard VISA

Account No.: _____

Expiration Date: _____

3-Digit Security Code: _____

Signature

.....

Please return with payment to:

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2010-2011 VACTE Board Directory

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Open

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VACTE Scholarship Applications Due April 1, 2011

Below is the application form to be submitted for the VACTE high school scholarship. A \$1,000 scholarship will be awarded to a high school student planning to teach in the career and technical education field. Teachers, principals, directors, and guidance counselors should alert qualified students about this opportunity.

Eligibility criteria.....

Applicant must be

1. A Virginia resident
2. A graduating senior of a secondary school who will further his/her education at the college level to prepare to teach Career and Technical Education.

Application Procedure.....

1. Applicant completes Section II
2. Section I is to be completed by applicant's high school guidance counselor. School officials must attach the requested documents and mail the entire packet no later than April 1, 2011. Also, attach to Section I any supporting materials (references, etc.) applicant may want the committee to consider. Mail this packet no later than April 1, 2011.

Applications and supporting materials must be postmarked no later than April 1, 2011, and be addressed to:

Sandy Jones
Fairfax County Public Schools
3rd floor CTE
3877 Fairfax Ridge Road
Fairfax, VA 22030
For questions call (571) 423-4528 or email srjones@fcps.edu

Scholarship Application (for students planning a teaching career in CTE)

Section I (to be completed by school official)

Student's Name _____

Last

First

Middle

Student's Address _____

Street

City

State

Zip

This is to certify that the above named individual is a resident of Virginia and is a graduate or scheduled to graduate from:

on _____

Name of School

Date

This applicant is hereby recommended for consideration for the Virginia Association for Career and Technical Education Scholarship for the school year 2010 to 2011.

Signed _____

Administrator/Guidance Counselor

Title _____

Date _____

Please attach a transcript of the applicant's record and at least one letter of recommendation.

Please mail this form and transcript to the VACTE Scholarship Committee Chair at the following address:

Sandy Jones
Fairfax County Public Schools
3rd floor CTE
3877 Fairfax Ridge Road
Fairfax, VA 22030

Section II (to be completed by applicant)

Name _____
Last First Middle

Address _____
Street

City State Zip E-mail

High School _____
Name of School

Address _____
Street

City State Zip

Intended postsecondary school _____
Name Of School

Address _____
Street

City State Zip

Intended Course of Study _____ Estimated Expenses for Year \$ _____
(Include tuition, room, board, books, fees)

Other scholarships, grants, or awards applied and/or received:

Name of Award Amount Applied for/Received

Any educational benefits other than scholarships for which you are eligible (Example: Vocational rehabilitation, etc.):

Intended sources to cover education expenses (Indicate amounts from each source):

Family _____ Employment _____ Loan _____ Scholarship _____ Other _____

Are you financially independent of your parents or guardians? Yes _____ No _____

If financially independent, answer the items about yourself. If not independent, answer them about parents or guardians:

Name(s) Occupations

Number of dependents in home Family income for the past year

School and community activities in which you have participated (Include any offices held or awards won):

Please attach a written statement explaining why you feel you should receive the VACTE scholarship. Include information on educational and career plans.

I certify that all the information provided on this application is complete and accurate to the best of my knowledge. I understand that the intentional misrepresentation of information on this application will result in disqualification for any scholarships awarded.

Signed _____
Applicant Signature

Please mail this form and all attachments to:

Sandy Jones
Fairfax County Public Schools
3rd floor CTE
3877 Fairfax Ridge Road
Fairfax, VA 22030

Special Note: All scholarship funds are paid directly to college or university.



Announcing . . .

Virginia's Career and Technical Education: Education for a Strong Economy



*Cedric Pollard
Franklin City Public Schools
Network/Systems Administrator
City of Franklin*

*Brian Calhoun
Mecklenburg County Public Schools
Calhoun Enterprises, Inc./
Calhoun Timber*

*Travis Hilliard
David Huddle
Massanutten Technical Center
Firefighters, Rockingham County*

*Rachel Connaughton
Gloucester County Public Schools
English Language Learner (ELL)
Teacher
Gloucester*

*Buki Peters
Fairfax County Public Schools
Fashion and Jewelry Designer*

*Keli Reekes
Mecklenburg County Public Schools
Audit Specialist
Commonwealth of VA*

The 12th Annual Professional Leadership Seminar for Virginia Educators

*Support statewide Career and Technical Education (CTE) initiatives and public policy
Network with other CTE teachers, administrators, and policymakers
Learn the latest on Perkins and Virginia CTE funding*

Make plans now to attend!

January 13-14, 2011

Crowne Plaza Hotel • Richmond, Virginia

Watch the VACTE Web site for more news on the conference: <http://www.vacte.net>



Virginia's Career and Technical Education: Education for a Strong Economy

Virginia is striving to provide the best possible educational opportunities for all students in the Commonwealth. As educators, we are fortunate that our policymakers are advocates for education and specifically for Career and Technical Education (CTE). To ensure that we are contributing to this effort, we must continue to grow as educators and as leaders in our profession, The Virginia Association for Career and Technical Education's January 2011 seminar seeks to enhance individual and collective CTE educational leadership in the Commonwealth. You'll want to make plans today to attend this professional leadership seminar for Virginia educators.

This seminar is for all educators (teachers, administrators, and guidance counselors) who wish to enhance their leadership skills. ALL school divisions and CTE division associations in Virginia should be represented at this seminar, and Career and Technical Education leaders should encourage the representation and attendance of their local educators. Additionally, CTE division associations are asked to encourage their officers to participate. It is with your support and participation that this seminar will be a success!

At a Glance

Thursday, January 13, 2011

- 2:00 p.m. – 7:00 p.m. Registration
- 2:00 p.m. – 3:00 p.m. Division Presidents and Treasurers Meeting
- 3:30 p.m. – 4:30 p.m. First Timer Pre-Conference
- 4:45 p.m. – 6:45 p.m. Opening Session
- 7:00 p.m. – 9:00 p.m. Dinner/Awards
- 9:00 p.m. – 11:00 p.m. Hospitality Suite

Friday, January 14, 2011

- 7:00 a.m. – 7:30 a.m. Continental Breakfast in Ballroom
- 7:30 a.m. First bus leaves for General Assembly
- 7:50 a.m. Last bus leaves for General Assembly
- 8:00 a.m. – 10:45 a.m. Professional Networking Opportunities
- 11:00 a.m. – 12:00 noon Debrief and Lunch

More Information

All meal functions are covered in the registration fee. Travel and lodging expenses will be the responsibility of the individual participants or school division. A block of hotel rooms has been reserved for January 13 at the Crowne Plaza Hotel in Richmond. **Questions concerning the seminar, registration procedures and fees should be directed to Dennis Belyea, VACTE Treasurer, phone 703-924-8105, or e-mail DCBelyea@fcps.edu.**



Issues and Solutions for Career and Technical Education in Virginia 2011

Introduction

Numerous educators and administrators from across Virginia, along with 10 organizations representing CTE professionals developed this document. We welcome comments on these issues from citizens, parents, and members of the boards that govern Virginia's public education. We welcome dialogue concerning these proposals and seek support from anyone interested in providing diversity of opportunity for all of Virginia's children.

Virginia Association for
Career and Technical Education

Policy Issues in Brief

1. *VACTE supports increased efforts by Virginia's colleges and universities to implement and, where they already exist, strengthen teacher preparation programs in Career and Technical Education.*
2. *VACTE supports meaningful industry-recognized standards, assessments, and credentials for Career and Technical Education programs, staff, and students.*
3. *VACTE supports continued integration of secondary and postsecondary Career and Technical Education curriculum with the Standards of Learning and postsecondary academic requirements, while placing particular emphasis on science, technology, engineering, and mathematics (STEM).*
4. *VACTE supports continued priority funding for Career and Technical Education classroom lab equipment and program improvement in order to prepare students for a competitive workforce and further education.*

Policy Issue 1

VACTE supports increased efforts by Virginia's colleges and universities to implement and, where they already exist, strengthen teacher preparation programs in Career and Technical Education.

Rationale

As noted in *Virginia's P-16 Education Council Report to the Governor and General Assembly* (October 2006), the state is experiencing a critical shortage of qualified teachers, especially in its most challenged schools:

- During the 2008 General Assembly, House Bill 506 and Senate Bill 169 identified Career and Technical Education as one of the top three critical teacher shortage areas;
- Since 2003–2004, CTE has been ranked among the top 10 critical teacher shortage areas with specific program areas defined. Critical shortages were cited for 2008–2009 in Technology Education and Family and Consumer Sciences and for 2009–2010 in Technology Education and Agricultural Education. For this coming year, 2010–2011, CTE as a whole ranked fourth in the list of Virginia's critical teacher shortage areas;
- Local school divisions face increasing difficulty finding qualified teachers for CTE programs, and this shortage is predicted to become more serious within the next five years. CTE administrators collectively project 613 openings within five years – more than eight times as many as in 2006–2007.

Demand for CTE teachers and programs is increasing:

- Student enrollment in CTE programs continues to grow as seen in an enrollment increase of almost 40,000 between 2001 and 2009. In 2009, duplicated count enrollment in CTE courses and programs totaled 598,029;

- Workforce readiness skills (taught in CTE courses and programs) are an increasingly clear priority for Virginia’s employers, often valued more highly than standard academic grades or test scores.

More highly qualified CTE teachers must be available to meet increasing demand. Teacher preparation programs at the state’s colleges and universities (sometimes in cooperation with Virginia’s community colleges), along with selected special initiatives, offer some solutions to these shortages, but more needs to be done.

VACTE proposes the following recommendations to strengthen and expand Virginia’s supply of highly qualified teachers of Career and Technical Education:

- 1.1. VACTE recommends that the General Assembly appoint a Task Force consisting of representatives from the State Council of Higher Education for Virginia, the Virginia Community College System Workforce Development Office, and the Department of Education Office of Career and Technical Education Services to develop career pathways to expand the teacher preparation programs for Career and Technical Education in areas identified to have critical shortages.
- 1.2. VACTE recommends reinforcing the linkage between the Virginia Community College System and Virginia’s four-year colleges and universities to provide students a seamless transfer and transition into CTE teacher preparation programs.
- 1.3. VACTE recommends that the Board of Education move aggressively to support teacher education programs in Career and Technical Education in Virginia and encourage the expansion of “career switcher” programs with realistic endorsement requirements for individuals with relevant industry certifications and professional experience. At the same time, the Board should provide enhanced pedagogy instruction and mentoring opportunities to strengthen “career switcher” candidates’ transition to the classroom.
- 1.4. VACTE recommends that the General Assembly increase the amount of funding available for the Virginia Teaching Scholarship Loan Program and set aside a portion of the funds specifically for CTE teacher shortage areas. In this program, recipients who teach two years in Virginia are not required to repay the loan.
- 1.5. VACTE supports colleges and universities offering summer courses that help CTE teachers meet provisional licensure requirements and guidelines for highly qualified status.
- 1.6. VACTE recommends development of new and continuation of existing CTE teacher preparation programs in Virginia.
- 1.7. VACTE supports action by the Board of Education and the General Assembly to encourage schools, colleges and universities, and businesses and industries in the recruitment of students planning to enter CTE teaching fields.
- 1.8. VACTE encourages the Board of Education to continue its support of the Teachers for Tomorrow program to encourage high school students to enter the teaching profession, especially in Career and Technical Education.

Policy Issue 2

VACTE supports meaningful industry-recognized standards, assessments, and credentials for Career and Technical Education programs, staff, and students.

Rationale

Virginia’s Career and Technical Education courses and programs offer students the opportunity to demonstrate their abilities through the Virginia CTE student competency records (kept for every CTE course taken, and required by the Carl D. Perkins Career and Technical Education Act of 2006). Students also are able to earn industry-appropriate credentials, licenses, and certifications.

Increasing opportunities to earn credentials valued by employers, along with further education after high school, are vital to Virginia’s economic future:

- According to the 2010 report, *Help Wanted: Projections of Jobs and Education Requirements through 2018*ⁱ, by 2018, the American workforce will need 22 million new postsecondary (Associate’s or four-year) degrees—but will fall short of that number by at least

ⁱ*Help Wanted: Projections of Jobs and Education Requirements through 2018*; Georgetown University Center on Education and the Workforce, 2010.

three million. In addition, at least 4.7 million new workers with postsecondary certificates will be needed;

- Certificates give many people access to growth and opportunities in incremental steps, provide access to the earnings power commonly associated with traditional degrees, can add value well above a high school diploma, and can lead to family-sustaining earnings. 43% of [holders of] licenses and certificates earn more than [those with] an AA (Associate's degree); and 27% earn more than [those with] a BA (Bachelor of Arts degree)ⁱⁱ;
- A 2006 report by Business 2 Business states: "By 2020 we're going to have a shortfall of some 14 million skilled workers who will need some type of postsecondary education or training to qualify for the high-skilled jobs our economy demands. In fact, 80% of the U.S.'s fastest-growing jobs over the next decade will require at least two years of college."

Virginia's CTE programs are providing multiple avenues for students to earn credentials, continue their education after high school, and document their skills for employers:

- More than 77% of Virginia's CTE graduates responding to a recent survey said they had pursued formal education or training after graduating from high school. Of those, 29% were enrolled in community colleges, 38% were enrolled in a four-year university, and 10% were in registered apprenticeships, technical colleges, occupational/technical training at local high schools, or business/industry training;
- In 2005, the Board of Education established a pathway for a student to obtain a maximum of two verified credits through the successful completion of a Board-approved nationwide industry assessment;
- The current Standards of Quality state: "...Career and technical education programs shall be aligned with industry and professional standard certifications, where they exist" (*Code of Virginia* § 22.1-253.13:1B);
- The General Assembly is requiring an increase in the number of CTE students taking industry credentialing tests, and the federal performance report and the state School Report Card track the number of students who take and pass industry credential tests. Earned industry credentials are part of the Virginia Index of Performance program to recognize schools and school divisions for student achievement;
- Schools will require students graduating from a CTE program with a state-approved industry certification, state licensure, or other third-party test;
- Virginia's Workforce Development Strategic Plan cites the need to "increase priority and visibility of skills development, Career and Technical Education, and postsecondary education opportunities...";
- Virginia's P-16 Education Council identifies the need to "increase the number of industry certifications, state licenses, and successful National Occupational Competency Testing Institute (NOCTI) assessments earned by high school students...."

Virginia faces the great challenge of creating a skilled workforce equal to the demands of a global economy. According to the U.S. Department of Labor, OPA News Release, August 16, 2006, "America is transitioning to a knowledge-based economy, creating millions of new jobs in industries that did not exist a generation ago and which demand highly educated and skilled workers." Virginia CTE programs are responding to this challenge. For example, through an initial grant from the National Governors' Association, the Commonwealth has developed the CTE Academies initiative to offer students innovative and practical study in the critical areas of science, technology, engineering, and mathematics (STEM).

VACTE was instrumental in securing a funding increase for fiscal year 2008 to assist students with credentialing testing. Without sufficient funding to assist students with credential testing, local school divisions will not be able to meet the General Assembly requirement nor the federal Perkins Technical Skills Assessment Performance Standard.

Teachers also must acquire industry certification and state licensure in order to provide the necessary instruction for students. Avenues must continue to be created and funded for teachers to achieve such credentials.

VACTE proposes the following recommendations to strengthen Virginia's system of Career and Technical Education:

2.1. The Board of Education and the General Assembly should continue with priority state funding to help students obtain Board-

ⁱⁱ*ibid.*

approved industry certifications, state licensure, or other valid, high quality assessments, as approved by the Board, as a part of their secondary career and technical studies.

- 2.2. Funding should continue to be available for Career and Technical Education teachers to attain Board-approved industry-recognized certifications.
- 2.3. The Board of Education should continue to establish annual benchmarks for improvement in the number of students receiving industry credentials as indicated in the Performance Standards and State Report Card.

Policy Issue 3

VACTE supports continued integration of secondary and postsecondary Career and Technical Education curricula with the Standards of Learning and postsecondary academic requirements, while placing particular emphasis on science, technology, engineering, and mathematics (STEM).

Rationale

- Students enrolled in CTE courses are exposed to core academic skills AND to specific occupational skills.
- Each course in CTE links academic and occupational standards in classroom activities and reinforces achievement of Virginia's Standards of Learning.
- In addition, research demonstrates that students learn essential academic skills better when the skills are applied to real-world settings, as they are in CTE courses and programs.
- Section 22.1-253.13:1B of the *Code of Virginia* states: "With such funds as are available for this purpose, the Board shall regularly review and revise the competencies for career and technical education programs to require the full integration of English, mathematics, science, and history and social science Standards of Learning."

VACTE proposes the following recommendations to continue and expand the integration of Virginia's Career and Technical Education curriculum with the Standards of Learning:

- 3.1. The General Assembly should continue to provide adequate funding to sustain the work of the CTE (Career and Technical Education) Resource Center. This Center produces curriculum and resources for teachers, and offers professional development and training to all Virginia's career and technical educators at no cost to individual teachers and school divisions.

For more than 25 years, the CTE Resource Center has worked with state and local educators and with Virginia employers to keep Virginia's CTE curriculum of the highest quality, up-to-date, and consistent with industry standards specifically validated for Virginia. The Center has worked closely with academic educators to identify the Standards of Learning that are supported and reinforced through CTE courses and programs. The Center's Web-based curriculum system, Verso, provides ready access to these resources for all educators throughout the Commonwealth.

In addition, the Center conducts in-service training on new CTE initiatives and resources to enhance classroom instruction, with particular emphasis on the integration of academic skills and knowledge into CTE programs.

The General Assembly designated \$400,000 per year in the 2008–2009 biennial budgets for Center operations; however, due to state budget adjustments, this funding was cut by approximately 35% for FY 09–10 and 38% for FY 10–11. These reductions undercut curriculum development and other essential services provided by the CTE Resource Center. Priority funding is essential for the continued work of the Center.

- 3.2. Virginia Community College System should establish a consistent statewide articulation agreement and cost per credit for dual enrollment that would accelerate the student's academic and career plan to prepare them for Virginia's workforce.

Policy Issue 4

VACTE supports continued priority funding for classroom lab equipment and program improvement in Career and Technical Education.

Rationale

Under the Virginia Standards of Accreditation, high schools are expected to offer a minimum of three career and technical programs to meet students' needs. Most high schools in the state have multiple labs that must be updated with new technology on a regular basis. Under the present funding level, local and federal funds support the largest percentages of CTE equipment resources.

- General Assembly funding allocated to CTE during the 2000, 2005, 2006, and 2007 sessions has provided essential support for helping to keep Virginia CTE classrooms equipped with the technology and materials students will use in the workplace.
 - Funds provided by the General Assembly are dispersed among 134 school divisions including middle and high schools, local and regional career and technical centers, and centers providing specific services to special populations.
 - Equipment reimbursement is currently calculated according to the number of students enrolled in career and technical courses, with a base funding level of \$2,000 per school division and an average allocation of \$2,326.53 per school (2008–2009 funding from the General Assembly).
 - The average cost of equipment in a standard career and technical laboratory ranges from \$20,000 to more than \$250,000.
- 4.1 VACTE supports continued priority funding for Career and Technical Education equipment and program improvement to promote statewide consistency in course offerings and quality that allows access to all students in preparation for entry into a competitive workforce and further education.



Virginia Association for Career and Technical Education

Virginia Association of Agricultural Educators
Virginia Association of Career and Technical Education Administrators
Virginia Association of Marketing Educators
Virginia Association of Teachers of Family and Consumer Sciences
Virginia Association of Trade and Industrial Education
Virginia Association of Career and Technical Education Special Needs Personnel
Virginia Business Education Association
Virginia Health Occupations Education Association
Virginia Technology Education Association

<http://www.vacte.net>

For further information, please contact

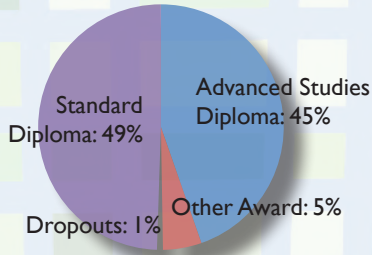
VACTE Public Policy Liaisons

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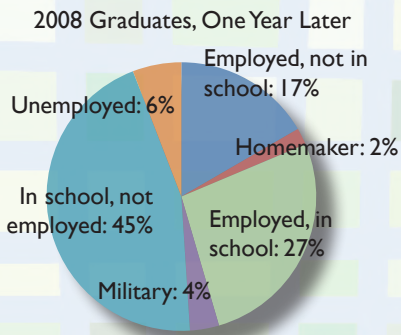
Students who complete an approved sequence of CTE courses have a **track record of success** in school and after graduation.

Success in School



CTE students are more motivated because of their courses' **connection to the real world** and, as a result, are **less likely to drop out**.

Success after Graduation



Over the years, CTE has evolved to match the needs of the changing economy. CTE programs provide the skills training that **addresses the needs of high-growth industries**, such as healthcare, renewable energy, and STEM fields.

With appropriate policy supports and funding, CTE programs can prepare students to leverage the academic and career skills they learn in school to help **build and sustain our economy**.



The Virginia Association for Career and Technical Education provides leadership in developing an educated, prepared, adaptable and competitive workforce. Membership consists of educators, business partners, parents, administrators and others committed to expanding opportunities for Career and Technical Education.

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Career and Technical Education

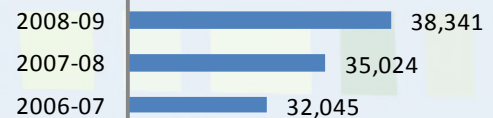
CTE: Education for a Strong Economy

If the United States truly wants to secure its global leadership in technology innovation, we must...strengthen... educational opportunities, so that America's students and workers have the skills they need to succeed in the technology—and information—driven economy of today and tomorrow.

Bill Gates, March 2008 U.S. House of Representatives Science and Technology Committee Hearing

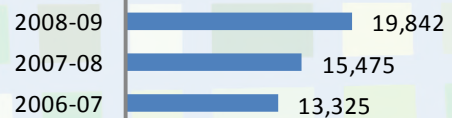
Career and Technical Education (CTE) enrollment continues to rise. In 2008–2009, **approximately 44% of high school graduates** had completed two or more CTE courses.

Virginia Completers



Virginia's nine **Governor's Career and Technical Academies** expand options for the general student population to acquire Science, Technology, Engineering, and Mathematics (STEM) literacy and other critical skills, knowledge, and credentials that prepare them for **high-demand, high-wage, and high-skill careers**.

Industry Credentials Earned



Many CTE students participate in **Cooperative Education** programs. The following data is from 2008–2009.

Students in Co-op programs:	9,426
Employers of Co-op students:	8,575
Wages earned by Co-op students:	\$39,091,207

Preparing students for real jobs

Students study pathways that provide lasting careers.

Licensed practical nurse
 CTE courses: Nurse Aide I
 Additional studies: EMS training,
 LPN, continuing medical education



Agricultural Education

Occupations	Employed in Va.	Avg. salary
Agriculture inspectors	300	\$41,400
Fish & game wardens	220	\$45,870
Forest & conservation workers	70	\$31,130
Landscape architects	700	\$57,910
Veterinary technologists & technicians	1,430	\$33,230



Veterinary technician
 CTE courses: Veterinary assistant
 program
 Additional studies: Associate degree,
 Veterinary Technology

Health Sciences

Occupations	Employed in Va.	Avg. salary
Dental assistants	7,680	\$34,730
Licensed practical & licensed vocational nurses	19,980	\$37,950
Occupational therapist assistants	680	\$54,870
Radiologic technologists & technicians	5,150	\$55,300
Surgical technologists	2,140	\$40,860



Corporate account executive
 CTE courses: Marketing, Advanced
 Marketing, Marketing Works
 Additional studies: Bachelor of Business
 Administration, Marketing major

Business & Information Technology

Occupations	Employed in Va.	Avg. salary
Accountants & auditors	35,180	\$69,810
Database administrators	4,720	\$80,120
Executive secretaries & administrative assistants	26,650	\$46,480
Legal secretaries	4,260	\$43,040
Network systems & data communications analysts	13,650	\$81,640



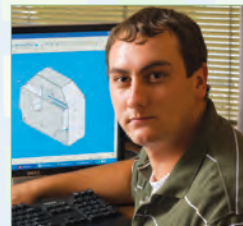
Project coordinator
 CTE courses: Keyboarding,
 Computer Information Systems
 Additional studies: Bachelor of Arts,
 Communication major

Marketing

Occupations	Employed in Va.	Avg. salary
Public relations specialists	8,230	\$66,740
Real estate sales agents	10,500	\$51,100
Retail salespersons	119,650	\$24,500
Sales managers	6,080	\$109,150
Sales representatives, wholesale	32,830	\$64,360

Technology Education

Occupations	Employed in Va.	Avg. salary
Aerospace engineering technicians	60	\$57,530
Architectural & civil drafters	2,400	\$44,830
Industrial engineering technicians	1,300	\$46,210
Materials engineers	460	\$90,640
Numerical tool & process control programmers	140	\$43,980



Machine programmer
 CTE courses: Drafting, Pre-Engineering
 Additional studies: Bachelor of Arts,
 Communication major

English Language Learner teacher

CTE courses: Early Childhood
 Education and Services I and II
 (NOCTI certification)
 Additional studies: Associate of Arts
 and Sciences, bachelor's, Elementary
 Education



Family & Consumer Sciences

Occupations	Employed in Va.	Avg. salary
Chefs & head cooks	2,090	\$51,730
Child, family, & school social workers	8,320	\$46,140
Dietitians & nutritionists	1,200	\$52,140
Elementary school teachers, except special education	41,000	\$58,320
Interior designers	1,460	\$52,550

Trade & Industrial Education

Occupations	Employed in Va.	Avg. salary
Automotive service technicians	18,440	\$40,720
Broadcast technicians	760	\$31,930
Electricians	18,540	\$45,820
Industrial machinery mechanics	7,180	\$44,360
Police & sheriff's patrol officers	16,650	\$50,190

Automotive technician
 CTE courses: Car Care, Small Engine Repair,
 Automotive Body Technology I, II, III
 Additional studies: Nissan Training Center

