



## Appendix A

### Education Pipeline Summary, Part 1

This four-part table – a summary of progress along Virginia’s student pipeline – includes one or more indicators of the current state, targets established for key indicators of progress, a list of key initiatives underway in Virginia to improve outcomes in that section of the pipeline, and the key organizations for education in Virginia. Brief descriptions for the initiatives listed in the tables are included in Appendix C. Unless otherwise noted, performance data are reported in Virginia Performs (VaPerforms.virginia.gov). Other sources include the U.S. Census Bureau’s 2008 American Community Survey, the State Council of Higher Education for Virginia (SCHEV), and the National Center for Higher Education Management Systems (NCHEMS).

	School Readiness	Third Grade Reading/ Fourth Grade Math	Eighth Grade Achievement
Current State	↑	↑ Third Grade Reading → Math: 16th	↓ Math: 20th → Reading: 16th
Current State	<ul style="list-style-type: none"> <li>• According to PALS-K, the number of kindergartners needing additional instruction dropped from 19% in 2004 to 14% in 2008.</li> <li>• The Virginia Preschool Initiative served 15,639 children in the 2008-09 school year.</li> </ul>	<ul style="list-style-type: none"> <li>• Third grade SOL reading scores improved from an 81% pass rate in 2007 to a 87% pass rate in 2009.</li> <li>• Virginia’s NAEP math score declined slightly to 243 in 2009 from 244 in 2007.</li> </ul>	<ul style="list-style-type: none"> <li>• NAEP math scores declined to 286 in 2009 from 288 in 2007.</li> <li>• The reading score declined to 267 in 2007 from 268 in 2005.</li> <li>• A total of 34% of Virginia students had completed Algebra 1 by the eighth grade as of 2008.</li> </ul>
Targets	<ul style="list-style-type: none"> <li>• Increase the number of at-risk students served by the Virginia Preschool Initiative to 15,000 by the 2010 school year.</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the pass rate on the third grade reading SOL test from 84% as of January 2006 to 95% by October 2010.</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the percentage of students completing Algebra 1 by the eighth grade to 45% by the end of 2010, up from 30% in 2006.</li> </ul>
Key Initiatives	<ul style="list-style-type: none"> <li>• Smart Beginnings</li> <li>• Virginia Preschool Initiative</li> </ul>	<ul style="list-style-type: none"> <li>• Early Intervention Reading Initiative</li> <li>• Reading First</li> <li>• Even Start Family Literacy Program</li> </ul>	<ul style="list-style-type: none"> <li>• Middle School Mathematics Teacher Corps</li> <li>• Algebra Readiness Initiative</li> <li>• Making Middle Grades Work</li> </ul>
Key Organizations	<ul style="list-style-type: none"> <li>• Virginia Office of Early Childhood Development</li> <li>• Virginia Early Childhood Foundation</li> <li>• Virginia Start Quality Rating and Improvement System</li> </ul>		<ul style="list-style-type: none"> <li>• Southern Regional Education Board</li> </ul>
	Department of Education		
	Virginia’s P-16 Council		



## Education Pipeline Summary, Part 4

	Postsecondary Education	
	Bachelor's Degrees	Post-Baccalaureate
Current State	↑ 10th	↑ 4th (Master's Degrees), 9th (Professional Degrees), 4th (Doctorates)
	<ul style="list-style-type: none"> <li>63% of students pursuing a bachelor's degree starting in Fall 2001 had graduated within six years (NCHEMS).</li> <li>In 2007, 35% of 18-24 year-olds in Virginia were enrolled in post-secondary education (NCHEMS).</li> <li>In 2008, 33.6% of Virginia's population ages 25 and over attained at least a bachelor's degree (2008 American Community Survey).</li> </ul>	<ul style="list-style-type: none"> <li>In 2008, 14.3% of Virginia's population aged 25 to 64 had a graduate or professional degree (NCHEMS).</li> <li>In 2008-09, Virginia's public institutions produced 10,819 master's degrees, 1,450 first professional degrees, and 1,439 doctorates (SCHEV).</li> </ul>
Targets	<ul style="list-style-type: none"> <li>Established by each institution and not all are specific. Includes graduation and retention rates.</li> <li>Increase the proportion of 18-24 year-olds enrolled in post-secondary education to 39% in 2010. (Source: Workforce Development Strategic Plan)</li> <li>Increase the proportion of 25-65 year-olds with at least a bachelor's degree to 37% by 2010. (Source: Workforce Development Strategic Plan).</li> </ul>	<ul style="list-style-type: none"> <li>Established by each institution and not all are specific. Includes graduation and retention rates.</li> <li>By 2013-14, Virginia's public post-secondary institutions project annual degree production of 12,596 master's degrees; 1,437 first professional degrees; and 1,557 doctorates (SCHEV).</li> </ul>
Key Initiatives	<ul style="list-style-type: none"> <li>Liberal Education &amp; America's Promise (Baccalaureate)</li> <li>Career Coaches</li> <li>College Access Challenge Grant Program Initiatives</li> <li>Virginia Mentor</li> <li>Virginia's Career VIEW</li> <li>Guaranteed Admission Agreements/Transfer and Articulation Agreements</li> <li>Institution-specific strategies and initiatives under the Restructuring Act</li> </ul>	
Key Organizations	State Council of Higher Education for Virginia	
	Virginia's P-16 Council	
	Virginia's Workforce Council	



## Education Pipeline Summary, Part 3

	Postsecondary Education	
	Associate's Degrees	Certifications & Workforce Training
	↑ 27 <sup>th</sup> (Assoc. Degrees within 3 years)	↑ 8 <sup>th</sup> (50-state poll of workforce training), 9 <sup>th</sup> (New Economy Index Workforce Education)
Current State	<ul style="list-style-type: none"> <li>• 27.2% of students pursuing an associate's degree beginning in Fall 2004 had graduated within three years (NCHEMS).</li> <li>• In fall 2009, 7,082 VCCS students transferred to four-year institutions in Virginia (SCHEV).</li> </ul>	<ul style="list-style-type: none"> <li>• In fiscal year 2009, VCCS awarded 5,168 Career Readiness Certificates, a 19% increase over the prior year (VCCS).</li> <li>• In fiscal year 2009, VCCS served 253,000 individuals through workforce development initiatives (VCCS).</li> </ul>
Targets	<ul style="list-style-type: none"> <li>• Rank in the top ten percent in the nation with respect to graduation, retention and job placement rates (Source: VCCS Dateline 2009).</li> <li>• Triple the number of graduates who successfully transfer to 4-year colleges and universities (Source: VCCS Dateline 2009).</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the use of Career Readiness Certificates 10% annually (Source: Workforce Development Strategic Plan.)</li> <li>• Provide workforce training programs for 225,000 individuals annually (Source: VCCS Dateline 2009).</li> </ul>
Key Initiatives	<ul style="list-style-type: none"> <li>• Achieve the Dream</li> <li>• Guaranteed Admissions Programs</li> <li>• VCCS Education Wizard and Virginia's Career View</li> <li>• VCCS Dateline 2009 Strategic Plan</li> <li>• Institution-specific goals, targets, and strategies</li> </ul>	<ul style="list-style-type: none"> <li>• VCCS Workforce Training Services</li> <li>• Career Readiness Certificates</li> <li>• Workforce Investment Act (WIA) One-Stops</li> <li>• Apprenticeship-related Instruction</li> <li>• Workforce Development Academy</li> <li>• Career Coaches / Pathways</li> <li>• Institution-specific goals, targets, and strategies</li> </ul>
Key Organizations	Virginia Community College System	
	Virginia Department of Education	
	Virginia's Workforce Council	
	Virginia's P-16 Council	
	State Council of Higher Education for Virginia	



## Education Pipeline Summary, Part 2

	Secondary Education	
	High School Graduation	College and Career Readiness
	↑	↑ (Graded B+ by Measuring Up 2008)
Current State	<ul style="list-style-type: none"> <li>The new On-Time Graduation Rate for 2008-09 was 83.2%, up from 82.1% for 2007-08.</li> <li>The new cohort Dropout Rate for 2008-09 was 7.9%, down from 8.7% for 2007-08.</li> </ul>	<ul style="list-style-type: none"> <li>A total of 15,475 students passed selected occupational competency assessments and industry certifications in 2007-08.</li> <li>52% of diploma graduates received an Advanced Studies Diplomas in 2007-08.</li> <li>In 2007-08, 19% of students were enrolled in AP, dual enrollment, or International Baccalaureate (IB) courses.</li> <li>In 2009, 18,568 public high school students earned a qualifying score on at least one AP test, up from 12,349 in 2004.</li> <li>There were 14,121 registered apprenticeship participants as of December 2008.</li> </ul>
Targets	<ul style="list-style-type: none"> <li>Targets will be revamped based on the new On-Time Graduation Rates.</li> </ul>	<ul style="list-style-type: none"> <li>By 2010 increase to 15,000 the number of students passing selected industry certifications.</li> <li>By 2010 increase the % receiving an Advanced Studies Diploma to 57%.</li> <li>Increase AP, IB, and dual enrollment to 25% by 2010.</li> <li>Increase registered apprenticeship participants to 14,691 by mid-2010.</li> </ul>
Key Initiatives	<ul style="list-style-type: none"> <li>Project Graduation</li> <li>GED &amp; Adult Education</li> <li>Middle College</li> <li>America Diploma Project</li> <li>New Technical Diplomas</li> <li>High Schools That Work</li> <li>Academic/Career Plans</li> <li>Grad/Completion Index</li> </ul>	<ul style="list-style-type: none"> <li>Early College &amp; Commonwealth Scholars</li> <li>Dual Enrollment</li> <li>GEAR UP</li> <li>Path to Industry Certification</li> <li>Virtual Advanced Placement School</li> <li>Career Coaches / Pathways / Academies</li> <li>Advance Placement / Intl. Baccalaureate Programs</li> <li>Tech Prep</li> </ul>
Key Organizations	Virginia's P-16 Council	
	Virginia Department of Education	
		Virginia's Workforce Council