Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
Recently approved credentials are highlighted.		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Agricultural Education				
Agriculture Mechanics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Commercial Pesticide Applicator Certification	Virginia Department of Agriculture and Consumer Services	X	X	
Floriculture-Greenhouse Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Floriculture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Forestry Products & Processing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Greenhouse Operators Certification Program	Southeast Greenhouse Growers Association	X	X	
Horticulture-Landscaping Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Horticulture-Olericulture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Outdoor Power Equipment Certifications (Pass any one Outdoor Power Equipment exam)	Equipment and Engine Training Council	X	X	
Production Agriculture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Small Engine Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Business and Information Technology				
Accounting-Basic Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Accounting – Complete Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Administrative Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Adobe Certified Expert (ACE)	Adobe Systems Incorporated	X	X	X
Brainbench Network Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Systems Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Business and Information Technology				
Brainbench Technical Support Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Software Development Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Web Design and Development Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Web Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Desktop Publishing Certifications (Pass any one test in this category)	Brainbench	X	X	X
Certification for Legal Professionals (ALS)	Associate for Legal Professional (NALS)	X	X	
Certified Internet Webmaster Associate	ProsoftTraining	X	X	X
Certified Internet Webmaster Associate: Internet Business Foundations Examination	ProsoftTraining	X	X	X
Certified Internet Webmaster Associate: Site Development Foundations Examination	ProsoftTraining	X	X	X
Certified Internet Webmaster Associate: Network Technology Foundations Examination	ProsoftTraining	X	X	X
Certified Internet Webmaster Professional	ProsoftTraining	X	X	X
Certified Novell Administrator (CNA)	Novell	X	X	X
Customer Support Specialist Certification	Help Desk Institute	X	X	X
Fundamentals of Wireless LANs Examination	Cisco Systems	X	X	X
International Computer Driving License	ICDL US	X	X	X
Fundamental Business Concepts	**ASK Institute (DECA/MarkED)**	**X**	**X**	
IC3 Certification	Certiport	X	X	X
iNet+ Certification	CompTIA	X	X	X
Java Programming Examination	Cisco Systems	X	X	X
Linux+ Certification	CompTIA	X	X	X
Macromedia Certified Professional	Macromedia	X	X	X
Master CIW Administrator Certification	ProsoftTraining	X	X	X
Master CIW Designer Certification	ProsoftTraining	X	X	X
Master CIW Enterprise Developer Certification	ProsoftTraining	X	X	X
Master CIW Web Site Manager Certification	ProsoftTraining	X	X	X

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Business and Information Technology				
Microsoft Certified Applications Developer (MCAD)	Microsoft	X	X	X
Microsoft Certified Professional (Pass any one Microsoft Professional certification exam)	Microsoft	X	X	X
Microsoft Certified Systems Administrator (MCSA)	Microsoft	X	X	X
Microsoft Certified Systems Engineer (MCSE)	Microsoft	X	X	X
Microsoft Office Specialist (MOS)—(Pass any one unique MOS exam at the core level)	Microsoft	X	X	
Network+ Certification	CompTIA	X	X	X
Oracle Certification Program Examinations (Pass any one Oracle certification exam)	Oracle Corporation	X	X	X
Sun Certified Associate for Java 2 Platform	Sun Microsystems	X	X	X
Supporting Users and Troubleshooting a Microsoft Windows XP Operating System (Microsoft Exam: 70-271)	**Microsoft**	**X**	**X**	**X**
Supporting Users and Troubleshooting Desktop Applications on a Microsoft Windows XP Operating System (Microsoft Exam: 70-272)	**Microsoft**	**X**	**X**	**X**
Unix Examination	Cisco Systems	X	X	X
Web Design Examination	Cisco Systems	X	X	X
WOW Certified Apprentice Webmaster (CAW)	World Organization of Webmasters	X	X	X
WOW Certified Web Administrator Apprentice (CWAA)	World Organization of Webmasters	X	X	X
WOW Certified Web Designer Apprentice (CWDSA)	World Organization of Webmasters	X	X	X
WOW Certified Web Developer Apprentice (CWDVA)	World Organization of Webmasters	X	X	X

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Family and Consumer Sciences				
Commercial Foods Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Early Childhood Care and Education Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Food Production Management and Services Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Hospitality Management—-Food and Beverage Option Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Hospitality Management—Lodging Option Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
ProStart Program Certification (Levels I and/or 2)	Education Foundation of the National Restaurant Association	X	X	
Retail Commercial Baking Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
START Certification (Hospitality Skills)	American Hotel and Lodging Association (AH&LA)	X	X	
Health and Medical Sciences				
Certified Dental Assistant: Infection Control Examination (ICE)	Dental Assisting National Board, Inc.	X	X	
Certified Dental Assistant: Radiation Health & Safety Examination (RHS)	Dental Assisting National Board, Inc.	X	X	
Dental Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Emergency Medical Technician	Department of Health, Office of Emergency Medical Services	X	X	
Health Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Home Health Aide Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Medical Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Health and Medical Sciences				
National Health Care Foundation Skills Standards Assessment	National Consortium on Health Science & Technical Education	X	X	
NRDA Certification (Dental Assisting)	National Allied Health Registry/National Association for Health Professionals	X	X	
NRDA Certification (Medical Assisting)	National Allied Health Registry/National Association for Health Professionals	X	X	
Nurse Aide	Virginia Board of Nursing	X	X	
Nursing Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Virginia Pharmacy Technician Examination	Virginia Board of Pharmacy	X	X	
Marketing Education				
Fundamental Marketing Concepts	**ASK Institute (DECA/MarkED)**	**X**	**X**	
Lodging Management Program Certification (Levels 1 and/or 2)	American Hotel and Lodging Association (AH&LA)	X	X	
National Professional Certification in Customer Service	National Retail Federation Foundation	X	X	
Retail Trades Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Sales Certification	**National Retail Federation Foundation**	**X**	**X**	

-Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Technology Education				
AutoCAD Certifications	Brainbench	X	X	
Certified SolidWorks Professional	SolidWorks Corporation	X	X	
Electronic Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Manufacturing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Pre-Engineering Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Pre-Skills Assessment for Mastercam Assessment	Mastercam--Administered by National Occupational Competency Testing Institute (NOCTI)	X	X	
Trade and Industrial Education				
A+ Certification (2003 objectives)	CompTIA	X	X	X
A+ Certification (pass any one exam from 2006 certification program)	CompTIA	X	X	X
A+ Certification: Operating Systems Technologies Examination	CompTIA	X	X	X
A+ Certification: Core Hardware Examination	CompTIA	X	X	X
Access Certification	American Culinary Federation, Inc. (ACF)	X	X	
Advertising and Design Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Air Conditioning Certification	HVAC Excellence	X	X	
Audio-Visual Communications Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Technician Examination (ASE)—(Pass any one exam from Automobile Technician Test Series)	National Institute for Automotive Service Excellence	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Architectural Drafting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Youth Educational Systems (AYES) Exit Examinations (Pass any two AYES exit exams)	Automotive Youth Educational Systems	X	X	
Basic Principles of Construction: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Basic Installer Exam, Mobile Electronics Certified Professional	**Consumer Electronics Association**	**X**	**X**	
BICSI Registered Installer Certification, Level 1	BICSI (International Telecommunications Association)	X	X	
CAD Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Cabinetmaking Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Carpentry Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Carpentry: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Carpentry, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Carpentry Level One, National Construction Career Test	National Center for Construction Education & Research (NCCER)	X	X	
Certified Computer Service Technician	Electronics Technicians Association, International (ETA)	X	X	X
Certified Electronics Technician Associate (CET)	Electronics Technicians Association, International (ETA)	X	X	
Certified Fiber Optics Installer (CFOI)	The Association of Communications & Electronics Schools, International	X	X	
Certified Satellite Dish Installer	Electronics Technicians Association, International (ETA)	X	X	
CISCO CCNA Academy End-of-Course Examinations (Pass any two end-of-course exams, Levels 1-4)	CISCO Systems	X	X	X
CISCO Certified Networking Associate (CCNA)	CISCO Systems	X	X	X
CISCO CCNA Examination: Interconnecting CISCO Networking Devices Examination	CISCO Systems	X	X	X
CISCO CCNA Examination: Introduction to CISCO Networking Technologies Examination	CISCO Systems	X	X	X

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Collision Repair Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Collision Repair and Refinishing Technician (ASE)- (Pass any one exam from Collision Repair & Refinish Test Series)	National Institute for Automotive Service Excellence	X	X	
Collision Repair/Refinishing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Computer Networking Fundamentals Assessment	**National Occupational Competency Testing Institute (NOCTI)**	**X**	**X**	**X**
Computer Repair Technology Assessment	**National Occupational Competency Testing Institute (NOCTI)**	**X**	**X**	**X**
Commercial Air Conditioning Certification	HVAC Excellence	X	X	
Commercial Refrigeration Certification	HVAC Excellence	X	X	
Construction Electricity Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Construction Masonry-Blocklaying Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Construction Masonry-Bricklaying Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Copper Based Cabling Certification	RBT Systems, Inc.	X	X	
Core: Introductory Craft Skills, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Cosmetology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Criminal Justice Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Data Cabling Installer Certification (DCIC)	Electronics Technicians Association, International (ETA)	X	X	
Diesel Engine Mechanics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Drafter Certification	American Design Drafting Association	X	X	
Electric Heat Certification	HVAC Excellence	X	X	
Electrical Certification	HVAC Excellence	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Electrical Construction Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Electrical Occupations Assessment	**National Occupational Competency Testing Institute (NOCTI)**	**X**	**X**	
Electrical Principles: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Electrical, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Electronics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
EPA Technician Certification (Levels I, II, or III)	Environmental Protection Agency (Authorized Entity)	X	X	
Fiber Optic Network Cabling Certification	RBT Systems, Inc.	X	X	
Fiber Optics Installer Certification	Electronics Technicians Association, International (ETA)	X	X	
Firefighter I Certification	Virginia Department of Fire Programs	X	X	
Gas Heat Certification	HVAC Excellence	X	X	
General Drafting and Design Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Graphic Communication Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Graymark Cable Installation Certification	Graymark International	X	X	
Heat Pump Certification	HVAC Excellence	X	X	
Heating, Electrical, Air Conditioning Technology (HEAT) Examination	HVAC Excellence	X	X	
House Wiring: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
HTI+ Systems Infrastructure and Integration Examination	**CompTIA**	**X**	**X**	**X**
HTI+ Residential Systems Examination	**CompTIA**	**X**	**X**	**X**
HVAC: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
HVAC, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Industrial Maintenance Mechanic Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Installer (or Service) Core Certification (HVAC)	North American Technician Excellence, Inc. (NATE)	X	X	
IT Essentials 1 Examination (PC Hardware and Software)	Cisco Systems	X	X	X
IT Essentials 2 Examination (Network Operating Systems)	Cisco Systems	X	X	X
Light Commercial Heating & Air Conditioning Certification	Air Conditioning and Refrigeration Institute	X	X	
Machining Skills--Level I (Pass any one Machining (Level 1) examination with performance component)	National Institute for Metalworking Skills (NIMS)	X	X	
Masonry, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Metalworking and Fabrication Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
National Automotive Technicians Education Foundation (NATEF) End of Program Test Series Examinations (Pass any two NATEF, End of Program Test Series, exams)	National Automotive Technicians Education Foundation	X	X	
Oil Heat Certification	HVAC Excellence	X	X	
Parts Specialist (ASE)—(Pass any one exam from Parts Specialist Test Series)	National Institute for Automotive Service Excellence	X	X	
Plumbing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Plumbing: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Precision Machining Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Protective Services Assessment	**National Occupational Competency Testing Institute (NOCTI)**	**X**	**X**	
PrintED Certification	Graphic Arts Education and Research Foundation	X	X	
Refinishing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Residential Air-Conditioning and Heating Certification	Air Conditioning and Refrigeration Institute	X	X	
SENSE Training Program Certification (Level 1, Entry-level Welder)	American Welding Society (AWS)	X	X	
Student Electronics Technician Certification (SET)	Electronics Technicians Association, International (ETA)	X	X	
Telecommunications Electronics Technician Certification	Electronics Technicians Association, International OETA)	X	X	
Television Broadcasting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Visual Communications Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Voice and Data Cabling Examination	Cisco Systems	X	X	X
Welding Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Welding, National Construction Career Test	National Center for Construction Education & Research (NCCER)	X	X	
License				
Barbers	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Cosmetology	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Nail Technician	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Real Estate Salesperson	Virginia Real Estate Board (Dept. of Professional & Occupational Regulation)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures				
November 29, 2006 (Approved)				
		Meets Board of Education Criteria		
Name of Credential	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Examination				
Advanced Placement Computer Science A	The College Board	Passing Score = 3		Passing Score = 3
Advanced Placement Computer Science AB	The College Board	Passing Score = 3		Passing Score = 3
College Level Examination Program (CLEP): Information Systems and Computer Applications	The College Board	Passing Score = 52		Passing Score = 52
International Baccalaureate Computer Science (Standard Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
International Baccalaureate Computer Science (Higher Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
International Baccalaureate Information Technology in a Global Society (IB6613) (Standard Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
<mark>Note: New industry certification credentials and occupational competency assessments are highlighted.</mark>				