Substitute Tests for Verified Credit

Approved by Board of Education

Updated May 23, 2002

SOL Substitute Tests for Verified Credit

*   Newly approved cut-scores for previously approved substitute tests
TBD* Previously approved substitute tests; cut-scores to be determined

English Substitute Tests

SOL Test	Substitute Test	Proficient	Advanced
English: Writing	AP English Language and Composition	2	3
	IB English (Higher Level)	2	3
	IB English (Standard Level)	2	3
	SAT II Writing	400	500
	Test of English as a Foreign Language (TOEFL)	160	220
	Advanced Placement International English Language (APIEL)	2	3
	Cambridge International Examinations: English Language (GCE-AS)	**E***	**D***
	Cambridge International Examination: First Language English (IGCSE)	**G***	**D***
	Cambridge International Examinations: IGCSE English as a Second Language	TBD*	TBD*
	ACT: Writing Subtest	**22***	**30***
	WorkKeys: Writing	TBD*	TBD*
	AP English Literature and Composition+	2*	3*
English: Reading Literature/ Research	AP English Literature and Composition	2	3
	IB English (Higher Level)	2	3
	IB English (Standard Level)	2	3
	Test of English as a Foreign Language (TOEFL)	160	220
	Cambridge International Examinations: Literature in English (IGCSE)	**G***	**D***
	Cambridge International Examination: Literature in English (A Level)	**E***	**D***
	Cambridge International Examination: English Language (GCE-AS)	**E***	**D***
	Cambridge International	TBD*	TBD*

SOL Test	Substitute Test	Proficient	Advanced
	Examinations: IGCSE English as a Second Language		
	ACT: Reading Subtest	**25***	**31***
	AP English Language and Composition++	2*	3*

+The AP Literature and Composition test may be used as a substitute for *both* the *English:Reading/Literature/Research* and the *English:Writing* tests. Students may use the AP Literature and Composition test to earn two English verified units of credit.

++The AP Language and Composition test may be used as a substitute for *both* the *English:Writing* and the *English:Reading/Literature/ Research* tests. The AP Language and Composition test may be used to earn two English verified units of credit.

Mathematics Substitute Tests

SOL Test	Substitute Test	Proficient	Advanced
Algebra I	CLEP College Algebra	30	40
	IB Math Studies (Standard Level)	2	3
	IB Math Methods (Standard Level)	2	3
	SAT II Math IC	400	500
	SAT II Math IIC	400	500
	AP Calculus	2	3
	Cambridge International Examinations: Further Mathematics (AICE)	**E***	**D***
	Cambridge International Examinations: Mathematics (AICE)	**E***	**D***
	Cambridge International Examinations: Further Mathematics (A Level)	**E***	**D***
	Cambridge International Examinations: Additional Mathematics (IGCSE)	**G***	**D***
	Cambridge International Examinations: Mathematics (IGCSE)	**G***	**D***
	ACT: Mathematics Subtest	**18***	**26***
	IB Mathematics (Higher Level)	2*	3*
Algebra II	IB Math Studies (Standard Level)	2	3
	IB Math Methods (Standard Level)	2	3
	SAT II Math IC	400	500

SOL Test	Substitute Test	Proficient	Advanced
	SAT II Math IIC	400	500
	AP Calculus	2	3
	Cambridge International Examinations: Further Mathematics (AICE)	E*	D*
	Cambridge International Examinations: Mathematics (AICE)	E*	D*
	Cambridge International Examinations: Further Mathematics (A Level)	E*	D*
	Cambridge International Examinations: Additional Mathematics (IGCSE)	E*	D*
	IB Mathematics (Higher Level)	2*	3*
Geometry	Cambridge International Examinations: Mathematics (IGCSE)	E*	C*
	ACT: Mathematics Subtest	18*	25*
	IB Mathematics (Higher Level)	2*	3*
	IB Math Studies (Standard Level)	2*	3*
	IB Math Methods (Standard Level)	2*	3*
	SAT II Math IC	400*	500*
	SAT II Math IIC	400*	500*
	AP Calculus	2*	3*

Science Substitute Tests

SOL Test	Substitute Test	Proficient	Advanced
Earth Science	Cambridge International Examinations: Environmental Science, GCE - AS Level	E*	D*
	AP Environmental Science	2*	3*
Biology	AP Biology	2	3
	SAT II Biology E & M	400	500
	CLEP General Biology	30	40
	IB Biology(Higher Level)	2	3
	IB Biology(Standard Level)	2	3
	Cambridge International Examinations: Biology, GCE - A Level	E*	D*
	Cambridge International Examinations: Biology, GCE - AS Level	E*	D*

SOL Test	Substitute Test	Proficient	Advanced
	ACT: Science Reasoning Subtest	TBD*	TBD*
Chemistry	AP Chemistry	2	3
	SAT II Chemistry	400	500
	CLEP General Chemistry	30	40
	IB Chemistry (Higher Level)	2	3
	IB Chemistry (Standard Level)	2	3
	Cambridge International Examinations: Chemistry, GCE - A Level	**E***	**D***
	Cambridge International Examinations: Chemistry, GCE - AS Level	**E***	**D***
	ACT Science Reasoning Subtest	TBD*	TBD*

History and Social Science Substitute Tests

SOL Test	Substitute Test	Proficient	Advanced
US History	AP US History	2	3
	CLEP History of US I and II (total score for both tests)	60	80
	SAT II American History	400	500
	IB US History(Higher Level)	2	3
World History from 1000 AD	SAT II World History	400	500
	AP World History	2	3
	AP European History	2	3
	IB History of Europe	2	3
World History to 1000 AD	SAT II World History	400	500
World Geography	AP Human Geography	2	3
	Cambridge International Examinations: IGCSE Geography	**G***	**D***
	Cambridge International Examinations: GCE - AS Level	**E***	**C***
	Cambridge International Examinations: GCE - A Level	**E***	**D***
	IB Geography Test	**2*** *	**3*** *

** Newly approved substitute tests with established cut scores

Student-Selected Tests for Verified Credit
Board of Education Approved Industry Certifications (updated April 24, 2002)

Certification	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
A+ Certification	CompTIA	X	X	X
Access	American Culinary Federation, Inc. (ACF)	X	X	
Air Conditioning Installation Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Air Conditioning Service Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Air Distribution Installation Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Air Distribution Service Technician	North American Technician Excellence, Inc. (NATE)	X	X	
AutoCAD 2000	Autodesk Inc.	X	X	
Automotive Technician (ASE)	National Institute for Automotive Service Excellence	X	X	
Certification for Legal Professionals (ALS)	Associate for Legal Professional (NALS)	X	X	
Certification in Convergent Network Technologies (CCNT)	ProsoftTraining	X	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 Hospitality Supervisor	American Hotel and Motel Association (AH&MA)	X	X	
Certified Internet Webmaster Associate	ProsoftTraining	X	X	X
Certified Internet Webmaster Professional	ProsoftTraining	X	X	X
Certified Medical Assistant	American Association of Medical Assistants	X	X	
Certified Novell Administrator (CNA)	Novell	X	X	X
Certified Novell Engineer (CNE)	Novell	X	X	X
Certified Nurse Aide	Virginia Board of Nursing	X	X	
Certified Satellite Dish Installer	Electronics Technicians Association, International (ETA)	X	X	
Child Development Association (CDA) National Credential	Council for Professional Recognition	X	X	
Cisco Certified Design Associate (CDA)	Cisco Systems	X	X	X
Cisco Certified Networking Associate (CNA)	Cisco Systems	X	X	X
Collision Repair and Refinishing Technician (ASE)	National Institute for Automotive Service Excellence	X	X	
Consumer Electronics Certification (CEC)	Electronics Technicians Association, International (ETA)	X	X	
Damage Analysis and Estimating Certification (ASE)	National Institute for Automotive Service Excellence	X	X	
Drafter Certification	American Design Drafting Association	X	X	
Emergency Medical Technician	Department of Health, Office of Emergency Medical Services	X	X	
Engine Machinist (ASE)	National Institute for Automotive Service Excellence	X	X	

Board of Education Approved Industry Certifications (updated April 24, 2002)				
		Meets Board of Education Criteria		
Certification	**Issuing Organization**	**Student Selected Verified Credit**	**Career and Technical Education Seal**	**Advanced Mathematics and Technology Seal**
Fiber Optics Installer Certification	Electronics Technicians Association, International (ETA)	X	X	
Gas Furnace Installation Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Gas Furnace Service Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Greenhouse Operators Certification Program	Southeast Greenhouse Growers Association	X	X	
Heat Pump Installation Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Heat Pump Service Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Hospitality Skills Certification--Front Desk Agents	American Hotel and Motel Association (AH&MA)	X	X	
Hospitality Skills Certification--Restaurant Servers	American Hotel and Motel Association (AH&MA)	X	X	
Hospitality Skills Certification--Room Attendants	American Hotel and Motel Association (AH&MA)	X	X	
Hydraulics Specialist	Fluid Power Society	X	X	
iNet+ Certification	CompTIA	X	X	X
Linux+	CompTIA	X	X	X
Machining Skills--Level I	National Tool and Machining Association (NTMA)	X	X	
Master CIW Administrator	ProsoftTraining	X	X	X
Master CIW Designer	ProsoftTraining	X	X	X
Master CIW Enterprise Developer	ProsoftTraining	X	X	X
Master CIW Web Site Manager	ProsoftTraining	X	X	X
Medium and Heavy Truck Technician (ASE)	National Institute for Automotive Service Excellence	X	X	
Metalforming Skills--Level I	National Tool and Machining Association (NTMA)	X	X	
Microsoft Certified Applications Developer (MCAD)	Microsoft	X	X	X
Microsoft Certified Database Administrator (MCDBA)	Microsoft	X	X	X
Microsoft Certified Professional + Site Building (MCP+Site Building)	Microsoft	X	X	X
Microsoft Certified Professional: Installing, Configuring, and Administering Microsoft Windows 2000 Professional, Exam 70-210, (Certification Component/MCSE, MCSA)	Microsoft	X	X	X
Microsoft Certified Professional: Installing, Configuring, and Administering Microsoft Windows 2000 Server, Exam 70-215, (Certification Component/MCSE, MCSA)	Microsoft	X	X	X
Microsoft Certified Professional: Visual Basic 6.0 Certification Component (MCSD)	Microsoft	X	X	X
Microsoft Certified Professional: Visual C++ 6.0 Certification Component (MCSD)	Microsoft	X	X	X
Microsoft Certified Solution Developer (MCSD)	Microsoft	X	X	X
Microsoft Certified Systems Administrator (MCSA)	Microsoft	X	X	X
Microsoft Certified Systems Engineer (MCSE)	Microsoft	X	X	X
Microsoft Office User Specialist (MOUS)*	Microsoft	X	X	
Network+ Certification	CompTIA	X	X	X
Novell Specialist Certificate/Desktop Management with ZENworks for Desktops 3	Novell	X	X	X

Board of Education Approved Industry Certifications (updated April 24, 2002)				
		Meets Board of Education Criteria		
Certification	Issuing Organization	Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Novell Specialist Certificate/Directory and Database Integration Using DirXML	Novell	X	X	X
Novell Specialist Certificate/GroupWise 6 Administration	Novell	X	X	X
Novell Specialist Certificate/Integrating Novell eDirectory and Active Directory	Novell	X	X	X
Novell Specialist Certificate/Integrating Novell eDirectory with Windows NT	Novell	X	X	X
Novell Specialist Certificate/Internet Security Mgmt w/BorderManager	Novell	X	X	X
Novell Specialist Certificate/TCP/IP for Networking Professionals	Novell	X	X	X
Oil Furnace Installation Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Oil Furnace Service Technician	North American Technician Excellence, Inc. (NATE)	X	X	
Oracle Certified Database Administrator	Oracle Corporation	X	X	X
Oracle Certified Database Associate	Oracle Corporation	X	X	X
Oracle Certified Professional--Application Developer	Oracle Corporation	X	X	X
Oracle Certified Professional--Database Operator	Oracle Corporation	X	X	X
Outdoor Power Equipment Certifications	Equipment and Engine Training Council	X	X	
Parts Specialist--Automotive or Medium/Heavy Truck	National Institute for Automotive Service Excellence	X	X	
Pneumatic Technician	Fluid Power Society	X	X	
School Bus Technician (ASE)	National Institute for Automotive Service Excellence	X	X	
SENSE Training Program Certifications (Welding)	American Welding Society (AWS)	X	X	
Sun Certified Developer for the Java 2 Platform	Sun Microsystems	X	X	X
Sun Certified Enterprise Architect for Java 2 Platform	Sun Microsystems	X	X	X
Sun Certified Programmer for Java 2 Platform	Sun Microsystems	X	X	X

Board of Education Approved Industry Licenses (updated April 24, 2002)				
		Meets Board of Education Criteria		
License	**Issuing Organization**	**Student Selected Verified Credit**	**Career and Technical Education Seal**	**Advanced Mathematics and Technology Seal**
Cosmetology	Virginia Board of Cosmetology (Dept. of Professional & Occupational Regulations)	X	X	
Nail Technician	Virginia Board of Cosmetology (Dept. of Professional & Occupational Regulations)	X	X	
Real Estate Salesperson	Virginia Real Estate Board (Dept. of Professional & Occupational Regulations)	X	X	

Exam	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	**Career and Technical Education Seal**	**Advanced Mathematics and Technology Seal**
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

Board of Education Approved Computer/Technology Exams (updated April 24, 2002)

Board of Education Approved Computer/Technology Exams (updated April 24, 2002)				
		Meets Board of Education Criteria		
Exam	**Issuing Organization**	**Student Selected Verified Credit**	**Career and Technical Education Seal**	**Advanced Mathematics and Technology Seal**
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

Deletions to Board of Education's Approved Industry Certifications and Licenses (updated April 24, 2002)

Certification/License	Issuing Organization	Deletions
CIW Application Developer	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
CIW E-Commerce	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
CIW Site Designer	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
CIW Server Administrator	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
CIW Security Professional	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
CIW Enterprise Specialist	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
CIW Internetworking Professional	ProsoftTraining	Certification structure does not conform to guidelines for awarding verified credit
Microsoft Certified Professional + Internet (MCP + I)	Microsoft	Certification has been discontinued
Microsoft Certified Engineer + Internet (MCSE + I)	Microsoft	Certification has been discontinued
Practical Nursing	Virginia Board of Nursing	Only obtainable after completion of post-