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What	**North American Computational Linguistics Olympiad (NACLO)**
URL	http://www.cs.cmu.edu/~eugene/Naclo/rules11.html
Description	NACLO is a fun (and educational!) contest for U.S. and Canadian high-school students in which contestants compete by solving compelling and creative puzzles in linguistics and computational linguistics. Requiring no previous knowledge of linguistics, languages, or computing, these puzzles can be solved by analytic reasoning alone, and serve as a fun introduction to a field to which many high school students have never been introduced. Winners of NACLO are eligible to compete in the International Linguistics Olympiad, one of twelve international high school science Olympiads.
Cost	None
Registration	Registration opens in 2012 at http://www.naclo.cs.cmu.edu.
Date	**NACLO Open Round**: February 2012 (3 hours) **NACLO Invitational Round:** 2012 (5 hours)
What	**FIRST Robotics Competition (FRC)**
URL	http://www.usfirst.org/roboticsprograms/fll/default.aspx?id=970
Description	Teams of 25 students or more compete in this robotics competition. This FIRST project is for teams of students aged 14 to 18 years old who compete for over $12 million in scholarships.
Cost	$200
Registration	https://gofll.usfirst.org/
Date	You must register your team before the end of September 2011
What	**First Tech Challenge (FTC)**
URL	http://www.usfirst.org/roboticsprograms/ftc/default.aspx?id=968
Description	Students grades 9-12 compete for more than $7 million in scholarships. Teams of up to 10 students design, build and program robots to compete in tournaments.
Cost	2010 FTC Program Registration Fee — $275 * **2010 FTC Competition Kit** — $650 2010 FTC Resource Kit — $199 Event Registration Fee — $0 - $300 Travel Costs - food, lodging, gas, etc — $0 - $500 Team T-shirts (optional) — $0 - $150 Additional kit items (optional) — $0 - $500
Registration	http://www.usfirst.org/roboticsprograms/ftc/content.aspx?id=750
Date	Register in September for competitions held throughout the school year

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What	American Computer Science League (ACSL)
URL	http://www.acsl.org/
Description	ACSL organizes written contests in computer science and computer programming for high school students. The website includes recourses for recruiting and running a team as well as sample questions.
Cost	1 Team $125, 2 Teams $225, 3 Teams $300, 4 Teams $350
Registration	http://www.acsl.org/acsl/10-11/reg_form_2010.htm
Date	Contest #1 Friday, December 23, 2011 Contest #2 Friday, February 10, 2012 Contest #3 Friday, March 9, 2012 Contest #4 Friday, April 13, 2012
What	Society for Science and the Public (SSP)
URL	http://www.societyforscience.org/masters
Description	BraodcomMASTERS (Math, Applied Science, Technology and Engineering for Rising Stars) is a contest for middle school students. To be eligible for the contest, students must participate in an SSP-affiliated science fair and receive a nomination to participate. Nominated students fill out an online application to become a finalist. Finalists receive an all-expense paid trip to Washington DC to compete for a $25, 000 educational award.
Cost	$0
Registration	http://www.societyforscience.org/sts/onlineapp
Date	The 2012 application will be available in February 2012
What	Maryland Society for Educational Technology
URL	https://www.msetonline.org/grantsawards/contests
Description	Lead/sponsoring teachers who are MSET members can submit student work for one of three contests. 1)K12 Desktop Publishing 2) Graphic Art Contest 3) Multimedia Contest. The contest is judged in grading categories (k-2, 3-5, 6-8, and 9-12). SECURE IT students can submit the Information Assurance/ Cybersecurity focused projects they create in the afterschool and summer programs.
Cost	Free for Students of MSET Members
Registration	https://www.msetonline.org/grantsawards/contests
Date	Submission must be postmarked no later than February 1, 2012

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What	**USA Imagine Cup by Microsoft**
URL	http://www.imaginecup.com
Description	Students qualify for the world competitions by winning local and regional competitions. Students solve real world problems in software design, embedded development, game design, digital media, and Windows Phone 7.
Cost	$0
Registration	http://www.imaginecup.us/#fbid=66Hi0ap3vuT
Date	Registration begins in September and finals to be held in Australia in July 2012
What	**Cyber Patriot Challenge**
URL	http://www.highschoolcdc.com/
Description	Students can take the online quiz to compete for a fee seat at a summer camp in Delaware.
Cost	$350
Registration	http://www.afa.org/CyberPatriot/
Date	Registration is currently open for September 2011 practice rounds
What	**US Cyber Challenge High School Cyber Challenge**
URL	http://www.uscyberchallenge.org/competitions/high-school-cyber-challenge.php
Description	High school students compete using quizzes written by cybersecurity experts.
Cost	$0
Registration	http://www.cksf.org/
Date	Ongoing
What	**US Cyber Challenge DC3 Digital Forensics Challenge**
URL	http://www.uscyberchallenge.org/competitions/dc3-digital-forensics-challenge.php
Description	For students who do not find the high school challenge difficult enough, this is a more rigorous competition.
Cost	
Registration	http://www.dc3.mil/challenge/2011/apply/index.php
Date	Registration opens December 15, 2010 and ends November 11, 2011
What	**International Linguistics Olympiad**
URL	http://www.ioling.org/2011/
Description	Four member teams compete to participate in an international competition. Sample and past problems are available on the website.
Cost	$0
Registration	http://www.naclo.cs.cmu.edu/reg_student.php
Date	Visit the website for more information aobut the ILO to be held in Slovenia in July/August 2012

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What	Intel
URL	http://www.intel.com/about/corporateresponsibility/education/sts/index.htm
Description	The Intel Science Talent Search works with the Society for Science and the Public to sponsor science fairs. To be eligible for the contest, students must participate in an SSP-affiliated science fair.
Cost	$0
Registration	http://www.societyforscience.org/Page.aspx?pid=262
Date	November of each year
What	**MD Cyber Challenge**
URL	http://www.mdc3.org/challenge.html
Description	The competition is designed to test each team's ability to secure and administer networked computer systems and recognize and defend against computer misuse. The SAIC Cyber Network EXercise System (CyberNEXS) competition environment will be used for this competition. The student teams, referred to as the Blue Teams, are tasked with managing their enterprise systems in a fully operational and secure state. The teams are assessed points by the CyberNEXS system (ScoreBot) and the judges (referred to as the White Team) based on their ability to achieve the goal of maintaining a secure, operational network. Each team will start the competition with a set of identically configured systems.
Cost	$Fee based
Registration	http://www.societyforscience.org/Page.aspx?pid=262
Date	Registration (in 2011) was open until August. Rounds in Fall. Final competition Oct 22
What	**Network Security Competition (Mid Atlantic Region)**
URL	http://cae2y.morainevalley.edu/Compete/index.htm
Description	The competition has been designed to test students' knowledge, critical thinking skills, and trouble-shooting skills. This is accomplished through a three-part structure: • Part I is comprised of a quiz bowl in which students have 30 minutes to complete 50 web-based questions. • Part II is a project in which students have 45 minutes to demonstrate their ability to design and configure 12 course skills in network security using the simulation software, Cisco's Packet Tracer. • Part III is a trouble-shooting exercise where students solve problems in a virtual environment, NetLabs.
Cost	$0
Registration	contact CyberWatch dpruitt@umd.edu
Date	Fall through early spring—Online tutorials for students and teachers. Regional Competition—all can be done virtually

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What	eCYBERMISSION
URL	https://www.ecybermission.com/public/Login.aspx?ReturnUrl=/Default.aspx
Description	free, web-based Science, Technology, Engineering and Mathematics competition for students in grades six through nine. Need class sponsors and teams made up of kids in same age group and school
Cost	$0
Registration	https://www.ecybermission.com/public/Login.aspx?ReturnUrl=/Default.aspx
Date	Sign up each fall by Dec 16, 2011
What	HONEYPOT Project Forensic Challenge
URL	http://old.honeynet.org/challenge/
Description	Enter the Honeynet Project. One of the primary goals of the Honeynet Project is to find order in chaos by letting the attackers do their thing, and allowing the defenders to learn from the experience and improve. The latest challenge, inspired by the Honeynet Project's founder Lance Spitzner, is the Forensic Challenge. Only this time, we're opening it up to anyone who wants to join in.
Cost	$0
Registration	http://old.honeynet.org/challenge/
Date	Open Activity
What	FBLA Competitive Events
URL	http://www.fbla-pbl.org/web/page/589/sectionid/587/pagelevel/2/fbla.asp
Description	The FBLA-PBL National Awards Program recognizes and rewards excellence in a broad range of business and career-related areas. At the State Leadership Conferences, students compete in events testing their business knowledge and skills. Top state winners are then eligible to compete for national awards at the National Leadership Conference each summer. Includes Cybersecurity Competition.
Cost	$0
Registration	Sign up at your or through your school

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Date	School club membership. Spring State Conference.
What	**Business Professionals of America**
URL	http://www.bpa.org/compete/eventlist
Description	Business Professionals of America **is the leading CTSO (Career Technical Student Organization) for students pursuing careers in business management, office administration, information technology and other related career fields.** **Information Technology Competitions in the following categories** **(40) Computer Network Technology:** Demonstrate knowledge in fundamental networking concepts including network architecture, standards, topologies, protocols, and security. **(41) Systems Administration Using Cisco:** Demonstrate knowledge of fundamental network management tasks in a CISCO® environment. **(42) Network Administration Using Microsoft:** Demonstrate knowledge of fundamental network management and maintenance tasks in a Windows® network. **(43) C++ Programming:** Evaluate knowledge of working with structured designs, algorithms, and OOP methodology. **(44) VB.Net Programming:** Evaluate knowledge of working with Visual Basic syntax, programming logic, program development, system design concepts, database, Visual Basic IDE Report Writers, designers and objects. **(45) Java Programming:** Utilize structured designs to develop software using the JAVA programming language. **(46) Fundamentals of Web Design:** Demonstrate knowledge of fundamental web design coding and syntax. **(47) PC Servicing & Troubleshooting:** Demonstrate knowledge of PC configuration, maintenance, and management as a computer technician. **(48) Computer Security:** Demonstrate knowledge of fundamental security management tasks in Windows and Linux networking environments. **(49) Digital Media Production:** Create a one to two (1-2) minute digital media production based upon the assigned topic. **(50) Computer Animation Team:** Create a visualization animation (not to exceed two (2) minutes) based upon the assigned topic. **(51) Network Design Team:** The team will analyze existing and planned business environments and develop a strategy for the implementation of a network infrastructure that addresses the need(s) of the defined business environment based on the scenario provided. At State and National level, teams will be presented with an additional element to the scenario that requires revision of their final presentation. **(53) Video Production Team:** Create a three to five (3-5) minute video production based upon the assigned topic.

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	(54) Web Application Team (Secondary only): The team will create a database-driven Website with server-side functionality. The team is provided with the opportunity to design, build and present a working web application. **(55) Web Site Design Team:** The team will work together to create a Website based on the topic. **(56) Information Technology Concepts:** Demonstrate general knowledge of the information technology industry. **(57) Broadcast News Production Team:** Create a three to five (3-5) minute news broadcast with at least 2 different segments (news stories). Students will also create a 15-20 second sound bite/intro for the broadcast. **(58) Computer Modeling (pilot):** Given a scenario or prompt, 2D and/or 3D Computer Modeling will research the topic, create a profile, concept design(s), prototype(s), and final model and/or scene based upon the assigned topic provided.
Cost	$0
Registration	Sign up at your or through your school
Date	School club membership. Spring State Conference.
What	**High School Cyber security Fair & Expo in conjunction with the Mid Atlantic CCDC**
URL	http://www.edtechpolicy.org/cyberk12/c3workforceccdc.html
Description	The CyberWatch Mid-Atlantic CCDC (Collegiate Cyber Defense Competition) is open to all two- and four-year undergraduate and graduate students in Delaware, Maryland, North Carolina, Pennsylvania, Virginia, and Washington, D.C. Selected high school students are invited to shadow collegiate particpants. In addition, a full day of hands-on activities, speakers are offered through a Career Fair and Expo.
Cost	$0
Registration	http://www.edtechpolicy.org/cyberk12/c3workforceccdc.html
Date	Registration starts in January . Event April 14th (APL)