



## Rhode Island Cyber Foundations 2012 Competition

New England Institute of Technology, Rhode Island Department of Education, RI Science & Technology Advisory Council, and the Tech Collective are pleased to be joining Congressman Jim Langevin in offering the Rhode Island Cyber Foundations Competition. The Rhode Island Cyber Foundations Competition is designed to identify and nurture talented students who can become the future cyber policy leaders, cyber guardians and cyber warriors for United States companies, government agencies.

### **What will students be involved with?**

Cyber Foundations has two parts: (1) on-line tutorial and video education materials that allow students to expand their knowledge, and (2) quizzes that allow students to demonstrate mastery. Three topics are presented and tested: networking, operating systems, and system administration. Each topic has a separate set of educational materials and a separate test. Teachers may use the materials in class but that is not required.

### **How do students and schools get involved?**

Student and school registration will open on **Monday August 1, 2012** and close on **Monday October 15, 2012**. The cost for the school to register is \$100.00 with no limit to the number of students or \$25.00 per person and is paid directly to the SANS Institute. It is important to note students cannot participate without payment having been made by **Monday October 15, 2012**

### **To Register for the Cyber Foundations Challenge:**

To register, the student or school must register on the Cyber Foundations website [www.cyberfoundations.org](http://www.cyberfoundations.org). This registers the school or student with the contest. Once SANS has received a payment the school registration code will be sent automatically to the school coordinator or the individual student.

Participating schools/individuals are asked to make available one point of contact to work with the Erin Flynn, RI Cyber Foundations Challenge State Coordinator. Erin Flynn can be reached at 1-800-736-7744 x3462 or [eflynn@neit.edu](mailto:eflynn@neit.edu)

### **Which students should participate?**

Students that have an interest in computer courses or games are likely participants, but so are students that like to take objects apart to see how they work. The Cyber Foundations Competition is designed to find hundreds of talented young people around Rhode Island and launch them into college or military programs where they can continue to develop their knowledge and skills and become key players in the cyber security of the United States.

### **What will students need to participate?**

Participating students will need YouTube access for competition activities but teachers may use downloaded versions of the videos. If access to YouTube is not available at your school please contact Erin Flynn at [eflynn@neit.edu](mailto:eflynn@neit.edu) for options. The activities can be performed either at school or at home with computer and Internet access. Learning the material will not require any changes to the high school curricula since the competition's teaching sites are being set up to provide both written and video lessons for students who need to brush up or learn the key content to prepare for the competitions. Pre-competition preparation will be part of the program, as will follow-up activities to keep students engaged in the possibility of selecting cyber security as a career.

### **What is the Timeline?**

Dates for the 2012 Cyber Foundations Challenge are:

- Aug 1 (Wednesday) - Registration Opens, 8am Eastern Time
- Oct 15 (Monday) - Payment deadline
- Oct 15 (Monday) - Registration deadline
- Oct 20 (Saturday) - Module 1 (Networking) tutorials open
- Oct 30 (Tuesday) - Student registration entry code deadline
- Nov 2 (Friday) - Module 1 Competition
- Nov 3 (Saturday) - Module 2 (Operating Systems) tutorials open
- Nov 16 (Friday) - Module 2 Competition
- Nov 17 (Saturday) - Module 3 (System Administration) tutorials open
- Dec 7 (Friday) - Module 3 Competition
- Dec 31 (Monday) - Access to content expires

### **How much time will these competitions take?**

Each of the three competitions is expected to take a total of 2-6 hours of preparation time and about 1 hour for the competitive activities.

### **Private Industry and Volunteers needed!**

While the program is designed to run without experts needed to guide each student, the business, military, education and nonprofit sectors are encouraged to get involved. They may volunteer as mentors, speak at workshops or through webinars and web chats, or help with special outreach programs. These partnerships will help connect high school students to local higher education institutions and businesses and provide them with a year-round connection to the cyber security or technical industries to promote career interest in a necessary and growing field.

**For more information on this program, you can visit these websites:**

Cyber Foundations – [www.cyberfoundations.org](http://www.cyberfoundations.org)

Congressman Langevin's website- <http://langevin.house.gov/issues/homeland/2010/12/langevin-works-to-build-cyber-work-force.shtml>

New England Institute of Technology – [www.neit.edu](http://www.neit.edu)

For more information on the Cyber Foundations Challenge in Rhode Island please contact Erin Flynn Cyber Foundation State Coordinator at 401-739-5000 ext 3462 or by email at [eflynn@neit.edu](mailto:eflynn@neit.edu).