



**From Adam Binet Anglophone East School District**

Last year, a couple of schools in our district partook in the CyberTitan challenge. This is a student competition which is all about the exciting fields associated with Cyber Security. This year, many more high schools are planning to put teams in, and this is a call to all MSTE teachers to put in a team as well! Here’s the quick break down of what the competition is, and how it works.

If, after reviewing the information below, you feel like you could recruit enough students (teams can be 2-6 members), then you must do the following to get things going:

1. Go to: <https://www.uscyberpatriot.org/Pages/Get%20Involved/Volunteer-Registration-Form.aspx> and complete the form. You will also then need to choose someone to “verify” you (i.e.: an administrator or guidance counselor). Full screen-shot step by step is here: <https://www.uscyberpatriot.org/Documents/Team%20Registration%20Instructions.pdf>.
2. You will need to pay the team registration fee (\$160-200USD). Ideally use your school’s credit card. Once this is done, you can send the invoice into Bill Kierstead ([William.Kierstead@onbcanada.ca](mailto:William.Kierstead@onbcanada.ca)) or Graham Rich ([Graham.Rich@gnb.ca](mailto:Graham.Rich@gnb.ca)) and they will journal/refund your school the entry fee.
3. Once you have done this, you will need to order a few specially prepared computers for use in the challenge. You will need to have a data-drop to plug these desktops into (can be permanent, or just the times you plan to do training and the competitions). Email Louise Connell ([Louise.Connell@gnb.ca](mailto:Louise.Connell@gnb.ca)) at the province and tell her how many you need (ideally 2 per team).

<p><b>About the Program and Competition</b></p>	<p>As tomorrow’s leaders and innovators, youth are a vital talent pool to meet cyber security skill demands. Additionally, regardless of what career path youth choose, ensuring they develop cyber security skills in school is paramount to equip them with critical digital and cyber skills as the Internet of Things permeates their everyday lives. Recognizing the importance of this, we introduce CyberTitan, Canadian Youth Cyber Education Initiative. CyberTitan operates in affiliation with the (US) Air Force Association's CyberPatriot Program which is presented by the Northrop Grumman Foundation. <b>CyberTitan is focused on preparing middle and secondary school students with skills for the digital economy by creating learning opportunities for students to engage in hands-on simulated environments that develop skills necessary to pursue post-secondary education programs, to learn skills essential to work in many STEM fields, and to identify roles students can play help to secure our systems.</b></p>
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<p><b>Cyber Careers</b></p>	<p>Why choose careers in ICT, Cyber Security &amp; Privacy?</p> <ul style="list-style-type: none"> <li>• 182,000 ICT workers needed by 2019 in Canada including cyber security.</li> <li>• Globally, it is estimated that there are more than one million cyber security job openings, a figure expected to reach 1.5 million by 2019.</li> <li>• In Canada, cybersecurity job growth averaged 9.2% in 2014-15, compared with 0.7% for all other occupations.</li> <li>• 1-in-4 ICT professionals in Canada require cybersecurity skills.</li> <li>• Lots of job opportunities available with starting salary average \$55-65k</li> <li>• Cyber Security &amp; Privacy needs will continue to grow</li> <li>• Diversity is important – generates new ideas</li> </ul>																								
<p><b>Competition Overview</b></p>	<p>What Does A School Need To Participate?</p> <p>For the 2017-18 competition season, CyberTitan teams will follow the CyberPatriot registration process, timelines, etc. and compete as part of the CyberPatriot competition. All CyberTitan teams, via the CyberPatriot competition, will also be competing to earn a spot in the CyberTitan National Finals in Ottawa, Ontario in May 2018.</p> <p><b>Each CyberTitan/CyberPatriot team requires a coach, usually a teacher or adult leader of a team-sponsoring organization. Coaches do not need to be computer experts.</b> In fact, any teacher or responsible adult leader can effectively lead a team to a fun and successful competition!</p> <p>One or two computers and an Internet connection are required for occasional weekend use during the online portions of the competition. Computer hardware requirements are modest, and most schools already have computers that meet the technical specifications of the competition. Full hardware, software, and technical requirements can be found on the <a href="#">Technical Specifications page</a>.</p> <p><b>Training materials are provided to get teams started on increasing their cyber knowledge, and there is no course or skill prerequisite for the program. Any student who has interest in the program can join and be successful.</b></p>																								
<p><b>Competition Timeline</b></p>	<table border="1"> <thead> <tr> <th><u>Event/Round</u></th> <th><u>Dates</u></th> <th><u>Descripti</u></th> </tr> </thead> <tbody> <tr> <td>Exhibition Round 1 and Recruiting</td> <td>May 17-June 12, 2017</td> <td>Practice</td> </tr> <tr> <td>Exhibition Round 2 and Recruiting</td> <td>July 12- August 7, 2017</td> <td>Practice</td> </tr> <tr> <td>Training Round</td> <td>September 15-October 10, 2017</td> <td>Training</td> </tr> <tr> <td>Practice Round</td> <td>October 2017 (TBD: 10 – 14 days)</td> <td></td> </tr> <tr> <td>Qualification Round 1</td> <td>November 3-5, 2017</td> <td></td> </tr> <tr> <td>Qualification Round 2</td> <td>December 8-10, 2017</td> <td></td> </tr> <tr> <td>State Round**</td> <td>January 19-21, 2018</td> <td></td> </tr> </tbody> </table> <p>**The top CyberTitan teams will be determined and announced after this round.</p>	<u>Event/Round</u>	<u>Dates</u>	<u>Descripti</u>	Exhibition Round 1 and Recruiting	May 17-June 12, 2017	Practice	Exhibition Round 2 and Recruiting	July 12- August 7, 2017	Practice	Training Round	September 15-October 10, 2017	Training	Practice Round	October 2017 (TBD: 10 – 14 days)		Qualification Round 1	November 3-5, 2017		Qualification Round 2	December 8-10, 2017		State Round**	January 19-21, 2018	
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