**SOUTH SHORE REGIONAL SCHOOL BOARD**
**CURRICULUM UPDATES AND CONTACT INFORMATION**
**Last updated: October 15th, 2012**

## *TECHNOLOGY-RELATED EDUCATION*

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If teachers have not yet downloaded the curriculum documents, they can be found (not all0 in various stages (final, draft, conceptual, ..) on the protected website: http://www.educators.ednet.ns.ca along with other core resources for particular subjects as well as Learning Outcomes Frameworks for P-6, 7-9 and 10-12 (lists all the GCO's and SCO's for each subject/course from P-12)

 ➢ Go to http://www.educators.ednet.ns.ca/
 ➢ Use your staff EDnet ID and password that you use at school
 ➢ Click on Technology Related Education

*Continued revision of Technology Education programs from grades 7-12. Support implementation as resources and boards permit*

The DoE are looking to house all the curriculum guides/documents in a central place in the near future-stay tuned as not all curriculum guides are on the fore-mentioned educator's site (i.e. Health P-9). This is called the Edu-Portal. Check this central place out at http://edapps.ednet.ns.ca/eduportal . You will need your Employee Number as found on your payroll information.

There may be old and new draft outcomes both on PowerSchool for subjects like Health P-9, Social Studies 5, etc. It is up to staff and principals to decide where they are in the

implementation stage (usually a 3-year implementation for new curriculums). We encourage teachers to use the newer outcomes whenever possible, especially if there are support resources available (i.e. Health P-9).

**Dust Collection Update**

The Province of Nova Scotia is committed to establishing a culture of safety in Technology Production labs as dust collection system repairs and replacements are taking place in schools throughout the province. Construction has been ongoing in several schools. Upon completion, all production labs will be safer places to work and learn, with 95% source capture on all sawdust producing machines within the labs.

Refer to Information Item from DoE sent to schools on Sept 19, 2012, Dust Collection Remediation Plan. "Further to page 2 Dust Administration Procedures... teachers working in Technology Education Labs must wear a minimum N95 NIOSH approved respiratory protection when engaged with dust producing activities.  If assistance is required with respiratory protection selection, please contact Gail Sinclair, SSRSB OHS Manager, 541-3036" FYI, we have decided that we will not be installing the airborne dust filtration systems recommended (the last item on Page 2).  It has been our opinion that if controls are followed, our existing building HVAC systems provide adequate clean air and these systems will not contribute greatly.  Additionally, we have not been provided any resources to purchase/install these systems as mitigation until the dust collectors are installed.

**Select a grade and/or category for more information**

# Grade 7

## Technology Education 7
**(BCS, CAMS, HA, NQRHS, SQRHS)**

### Provincial Guide
- **Technology Education 7 and Technology Education 8** will be launched together, in a similar fashion to Technology Education 9, in Spring 2013. The outcomes are available in the grades 7-9 outcomes chart.
- A new outcomes framework for Technology Education 7-9 can be found at http://www.ednet.ns.ca/pdfdocs/outcomes/by_subject/tech_ed_7-9.pdf
- The new course codes are TEC7Y11, TEC8Y11, and TEC9Y11 and the new updated outcomes should be in Power School and the old ones gone or an upcoming date in which they will no longer be in the system-encourage teachers to select the new ones.
- This is an elective course and instruction should be provided in a dedicated time slot during the regular school day, and not in conflict with courses in the student's program. Schools may experience challenges in offering Technology Education 7 along with other electives (Visual Arts, Explore Music, Band Instruments and Family Studies) and are encouraged to schedule the electives in such a way that students enrolled in Technology Education 7 will have opportunities to take other electives.

### Core Resources
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca
- Heads Up for Safety document to be released in spring 2011. This NS version is a safety program complete with tests and learning tools specifically for technology education teachers. Will support the new Dust Collection system along with an Operations & Maintenance manual which looks at who is responsible for clean-up in the shops re teachers, students, custodians, Operations, etc

# Grade 8

## Technology Education 8
**(BCS, CAMS, HA, NQRHS, SQRHS)**

### Provincial Guide
- **Technology Education 7 and Technology Education 8** will be launched together, in a similar fashion to Technology Education 9, in Spring 2013. The outcomes are available in the grades 7-9 outcomes chart.

- A new outcomes framework for Technology Education 7-9 can be found at http://www.ednet.ns.ca/pdfdocs/outcomes/by_subject/tech_ed_7-9.pdf
- The new course codes are TEC7Y11, TEC8Y11, and TEC9Y11 and the new updated outcomes should be in Power School and the old ones gone or an upcoming date in which they will no longer be in the system-encourage teachers to select the new ones.
- This is an elective course and instruction should be provided in a dedicated time slot during the regular school day, and not in conflict with courses in the student's program. Schools may experience challenges in offering Technology Education 8 along with other electives (Visual Arts, Explore Music, Band Instruments and Family Studies) and are encouraged to schedule the electives in such a way that students enrolled in Technology Education 8 will have opportunities to take other electives.

### Core Resources
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca
- Heads Up for Safety document to be released in spring 2011. This NS version is a safety program complete with tests and learning tools specifically for technology education teachers. Will support the new Dust Collection system along with an Operations & Maintenance manual which looks at who is responsible for clean-up in the shops re teachers, students, custodians, Operations etc.

# Grade 9

## Technology Education 9
### (NQRHS)

### Provincial Guide
- Technology Education 9 Curriculum (Draft, April 2012). There are four modules of the course: Inventions and Innovations, Communications Technology, Energy Engineering, and Production Technology.
- **Technology Education 9** curriculum has been updated and an Implementation Workshop was held on May 3-4, 2012 at The Holiday Inn Hotel & Conference Centre, in Truro, NS. Schools were invited to send one participant per school offering grade 9 in the 2012-2013 school year. This provincial workshop was designed to introduce teachers to the new curriculum for Technology Education 9 (Draft, April 2012). This hands-on, minds-on workshop involved engaging teachers in activities such as screen process printing, rustic furniture design and construction, game design and construction, hydraulic robotics, digital video and photography, and many

others involving the four modules of the course: Communications Technology, Inventions and Innovations, Energy Engineering, and Production Technology.  In addition, the workshop served to provide each school with professional resources (grade 7-9 outcomes chart, ..) and materials (Makita Drill kits, Silk Screening kit, ..) to support delivery of this new curriculum, and provide teachers with practical learning opportunities related to the topics and modules within the curriculum. The new course codes are TEC7Y11, TEC8Y11, and TEC9Y11 and the new updated outcomes should be in Power School and the old ones gone or an upcoming date in which they will no longer be in the system-encourage teachers to select the new ones.

Teachers were provided with a screen printing kit, which is all-inclusive for photo emulsion screen printing. The kit is complete with a video, which is an excellent resource for your learning purposes (not so great for the students though). Other resources include:

i. 1 screen printing kit (1 box)
ii. 1 screen printing burning unit (1 box)
iii. 1 Nikon Coolpix Digital Camera
iv. rechargeable battery pack
v. 1 mini tripod
vi. 1 USB drive with curriculum guide (and other resources) installed
vii. poster set
viii. Makita 18V Li-Ion cordless drill kit
ix. 1 Drill set
x. 1 Tech Ed lunch bag

Please note that the curriculum is laid out in 4 modules. Each module is designed to be offered within 20-25 hours. It is up to you as to how many of the modules you are able to offer to the grade 9 classes. The resources can be used across the modules. However, the screen printing and digital camera are intended to support Communications Technology for those schools who have not provided students with an opportunity to get students "learning standing up".

- A new outcomes framework for Technology Education 7-9 can be found at http://www.ednet.ns.ca/pdfdocs/outcomes/by_subject/tech_ed_7-9.pdf
- This is an elective course and instruction should be provided in a dedicated time slot during the regular school day, and not in conflict with courses in the student's program. Schools may experience challenges in offering Technology Education 8 along with other electives (Visual Arts, Explore Music, Band Instruments and Family Studies) and are encouraged to schedule the electives in such a way that students enrolled in Technology Education 8 will have opportunities to take other electives.

**Core Resources**
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT

- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at [www.worksafeforlife.ca](www.worksafeforlife.ca)
- Heads Up for Safety document to be released in spring 2011. This NS version is a safety program complete with tests and learning tools specifically for technology education teachers. Will support the new Dust Collection system along with an Operations & Maintenance manual which looks at who is responsible for clean-up in the shops re teachers, students, custodians, Operations, etc.

# Grade 10

**Construction Technology 10 (Open) CNT10**
(FHCS, LRHS, NQRHS)

### Provincial Guide
- This Grade 10 course is being updated/re-developed as well as a new Grade 12 course called Construction Technology 12 which is also being worked on

### Core Resources
- Carpentry: Building and Construction texts (6 copies) for support until curriculum is revised
- [http://teched.ca](http://teched.ca) a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at [www.worksafeforlife.ca](www.worksafeforlife.ca)

**Exploring Technology 10 (Acad) EXT10AC**
(BJSHS, NGRHS, NQRHS, PVEC)

### Provincial Guide
- Exploring Technology 10 (Implementation Draft 2008)

### Core Resources
- [http://teched.ca](http://teched.ca) a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Schools will be receiving 10 sets of EKI Mr. Circuit 1 electronic kits and books to support the "Control Technology" module in the updated academic course that was launched in 2008.
- Exploring Technology teachers will soon be able to order VEX robotics kits and parts from the ALR at best prices.

- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at [www.worksafeforlife.ca](www.worksafeforlife.ca)


# Grade 11

**Applied Networking Technology 11 (Acad) ANTEC11**
(PVEC)

**Provincial Guide**
- An Approved Local Course –last re-written in March 2009 / HRSB

**Core Resources**
- [http://teched.ca](http://teched.ca) a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at [www.worksafeforlife.ca](www.worksafeforlife.ca)

**Communications Technology 11 (Acad) CMT11AC**
(FHCS, LRHS, PVEC)

**Provincial Guide**
- Communications Technology 11 and 12 (Draft 2010)
- Updated curriculum (with a mandatory module in Digital Photography) has been received as well as digital SLR cameras, tripods, lighting kits, solid modeling software, and textbooks
- Implement Communications Technology 11 (2010-2011)-**no longer an open course-just academic as of the end of 2011-2012**

**Core Resources**
- Non-Designer's Web Book and Non-Designer's Design texts
- Digital Photography, 3$^{rd}$ Edition, 101 Tips and Tricks (coming March 2011)
- [http://teched.ca](http://teched.ca) a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at [www.worksafeforlife.ca](www.worksafeforlife.ca)

**Design 11 (Acad) DES11**
(BJSHS, FHCS, LRHS, NGRHS, PVEC)

**Provincial Guide**
- Design 11 (2000)
- This course may be offered as an Arts course or as a Technology-Related course but does not satisfy the compulsory arts credit requirement

**Core Resources**
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

**Electro Technologies 11 (Acad) ELECTRO11**
(not offered in SSRSB)

**Provincial Guide**
- Electro Technologies 11 (2000)

**Core Resources**
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

**Energy, Power, and Transportation 11 (Open) ENERGY11**
(PVEC)

**Provincial Guide**
- Energy, Power, and Transportation 11 (No. 146, 1996)
- Develop Energy, Power, and Transportation 11 (2011-2012), implement (2012-2014)

**Core Resources**
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

**Production Technology 11 (Open) PDT11**
(BJSHS, FHCS, NQRHS, PVEC)

**Provincial Guide**
- Production Technology 11 and 12 (No. 148, 1996)
- Implement Production Technology 11 (2012-2014)

**Core Resources**
- Copies of the text Wood: Technology and Processes to help support **Production Technology 11 and Production Technology 12** were sent out to schools in late February 2012. This modern resource will supplement these two courses while the curriculum is being reviewed.
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

# Grade 12

**Audio Recording and Production 12 (Acad) ARP12**
(FHCS, PVEC)

**Provincial Guide**
- Audio Recording and Production 12 (Draft 2009)
- Currently a pilot (2010-2011)

**Core Resources**
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

**Communications Technology 12 (Acad) CMT12AC**
(FHCS, NGRHS, PVEC)

**Provincial Guide**
- Communications Technology 11 and 12 (Draft 2010)
- Updated curriculum (with a mandatory module in Digital Photography) has been received as well as digital SLR cameras, tripods, lighting kits, solid modeling software, and textbooks

- Implement Communications Technology 12 (2010-2011) )- **no longer an open course-just academic as of the end of 2011-2012**

**Core Resources**
- Non-Designer's Web Book and Non-Designer's Design texts
- Digital Photography, 3<sup>rd</sup> Edition, 101 Tips and Tricks (coming March 2011)
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

## Computer Programming 12 (Acad) COMP12
(PVEC)

**Provincial Guide**
- Computer Programming 12 (Draft 2005)

**Core Resources**
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT

## Film and Video Production 12 (Acad) FVP12
(LRHS, PVEC)

**Provincial Guide**
- Film and Video Production 12 (2003)

**Core Resources**
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca

## Multimedia 12 (Acad) MM12
(BHS)

**Provincial Guide**
- Multimedia 12 (Implementation Draft 2008)

**Core Resources**
- http://teched.ca a good site for Technology Education teachers

- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT

**Production Technology 12 (Open) PDT12**
(FHCS, LRHS, NQRHS, PVEC)

**Provincial Guide**
- Production Technology 11 and 12 (No. 148, 1996)
- Implement Production Technology 12 (2012-2014)

**Core Resources**
- Copies of the text Wood: Technology and Processes to help support **Production Technology 11 and Production Technology 12** were sent out to schools in late February 2012. This modern resource will supplement these two courses while the curriculum is being reviewed.
- http://teched.ca a good site for Technology Education teachers
- The Integration of Information and Communication Technology Within the Curriculum, P-12 (2005)-available only on the Internet and from LRT
- Community-Based Learning: A Workshop Health and Safety Resource for Educators (a CD which holds over 100 different best practices safety resources)
- Educator's webpage at www.worksafeforlife.ca