SOUTH SHORE REGIONAL SCHOOL BOARD
CURRICULUM UPDATES AND CONTACT INFORMATION
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TECHNOLOGY-RELATED EDUCATION

Contacts

Department of Education
Kilah Hayden, Technology Education Services
Phone: (902) 896-2459
Email: haydenkj@gov.ns.ca

Sue Taylor-Foley, Director / LRT
Phone: (902) 424-2461
Email: taylosef@gov.ns.ca

South Shore Regional School Board
Mark MacLeod, Coordinator of Programs P-12
Phone: (902) 541-0825
Email: mmacleod@ssrsb.ca

Curriculum Guides

If teachers have not yet downloaded the curriculum documents or Learning Outcomes Frameworks, they can be found (not all) in various stages (final, draft, conceptual, ..) on the **EduPortal.**

The DoE are now housing all the curriculum guides/documents in a one-stop place called the **EduPortal**. Check this central place out at http://edapps.ednet.ns.ca/eduportal You will need your Employee Number as found on your payroll information to enter the site. Go to Resources and then Educator's Site to access the curriculum documents.

Besides updated curriculum guides, EduPortal also has easy access to other resources and links such as: the On-Line Video Library, upcoming events such as Webinars, Digital Video Library, EBSCO, Ednet Cloud, Education Media Library, Evaluation Services / Provincial Assessment info, FSL Program Services, IB Program, NSVS, NSSBB Online (ALR), ….

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).

Information Items of Interest

Dust Collection Update

The Province of NS is committed to establishing a culture of safety in Production Technology labs as **dust collection system** repairs and replacements are taking place in schools throughout our province. Construction has been ongoing in several schools. Nearly half of all dust collection systems requiring repair or replacement are up and running in the province. There has been a delay in the design of P3 school dust collection systems. P3 high schools have been pushed forward slightly. Check with our Operations department to see where your school is in the process. 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.

The Dust Collection Guidelines for Safe Operation of Production Technology Machinery (Nov 2013) was sent to principals to share with their Technology Education teachers. It is important for teachers to implement the 3 controls that are listed re dust collection and type of machine used.

Safety 1st!!

All schools offering grades 9 through 12 Production Technology classes, that currently use a table saw, will have most likely received the safest saw available. The **SawStop table saw** is designed to stop the blade within five one thousandths of a second upon contact with human flesh. Information on professional learning opportunities in regard to this matter is forthcoming. (www.sawstop.com) All eligible schools should have received the SawStop table saw by June 28, 2013. The DoE will help with electrical costs of installing the saws-see Andy Selig for further information. In addition, each school outfitted with a production technology laboratory will be receiving a **"lock-out, tag-out"** electrical safety kit as part of the dust collection remediation program. The kit will allow teachers to lock out a machine when it is out of order or undergoing repairs using the latest standard in safety equipment.

Select a grade and/or category for more curriculum/course support & resources

Grade Seven
Grade Eight
Grade Nine

Grade Ten
- Construction Technology 10
- Exploring Technology 10

Grade Eleven
- Applied Networking Technology 11
- Communications Technology 11
- Design 11
- Electro Technologies 11
- Energy, Power, and Transportation 11
- Production Technology 11

Grade Twelve
- Audio Recording and Production 12
- Communications Technology 12
- Computer Programming 12
- Film & Video Production 12
- Multimedia 12
- Production Technology 12

Grade 7

Technology Education 7

Provincial Guide

- Technology Education **grade 7/8 Curriculum Launch** took place in Truro in June 2013. Teachers attending the event took part in a variety of hands-on workshops and engaged in discussions pertaining to the new curriculum, as well as familiarizing themselves with the new resources. Each school received: 1 Festool cordless drill kit, 3 teacher resource books (The Non-Designer's Design Book, The Inventa Book of Structures, and the Inventa Book of Mechanisms), a Technology Education Poster Pack, and a memory stick containing **digital versions of the Technology Education curriculum documents**, 3 steel rulers and a digital still camera. Schools also received other resources based on their choice such as CNC iCarver and Lego Technic Pneumatics.
- The outcomes framework includes four modules: Communications Technology, Energy Engineering, Production Technology, and Inventions and Innovations. Curriculum expectations for schools are 25–100 hours for each grade level (1–4 modules, 25 hours of instruction time per module).
- 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
- For Technology Education 7-9, the new course codes are TEC7Y11, TEC8Y11, and TEC9Y11 and the new updated outcomes are in Power School. The old ones also remain until the 3rd year of implementation of the new curriculum at which time, they will no longer be in the system-encourage teachers to select the new ones. TEC9Y11 has 16 SCO's while the old TE9 has 87 SCO's-choose the former!
- 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

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- 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 is under review. 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

Provincial Guide

- Technology Education **grade 7/8 Curriculum Launch** took place in Truro in June 2013. Teachers attending the event took part in a variety of hands-on workshops and engaged in discussions pertaining to the new curriculum, as well as familiarizing themselves with the new resources. Each school received: 1 Festool cordless drill kit, 3 teacher resource books (The Non-Designer's Design Book, The Inventa Book of Structures, and the Inventa Book of Mechanisms), a Technology Education Poster Pack, and a memory stick containing **digital versions of the Technology Education curriculum documents**, 3 steel rulers and a digital still camera. Schools also received other resources based on their choice such as CNC iCarver and Lego Technic Pneumatics.
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- 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
- For Technology Education 7-9, the new course codes are TEC7Y11, TEC8Y11, and TEC9Y11 and the new updated outcomes are in Power School. The old ones also remain until the 3rd year of implementation of the new curriculum at which time, they will no longer be in the system-encourage teachers to select the new ones. TEC9Y11 has 16 SCO's while the old TE9 has 87 SCO's-choose the former!
- 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

- Technology Education **grade 7/8 Curriculum Launch** took place in Truro in June 2013. Each school received: 1 Festool cordless drill kit, 3 teacher resource books (The Non-Designer's Design Book, The Inventa Book of Structures, and the Inventa Book of Mechanisms), a Technology Education Poster Pack, and a memory stick containing digital versions of the Technology Education curriculum documents, 3 steel rulers and a digital still camera. Schools also received other resources based on their choice such as CNC iCarver and Lego Technic Pneumatics.
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- Heads Up for Safety document is under review. 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

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.

- 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
- For Technology Education 7-9, the new course codes are TEC7Y11, TEC8Y11, and TEC9Y11 and the new updated outcomes are in Power School. The old ones also remain until the 3rd year of implementation of the new curriculum at which time, they will no longer be in the system-encourage teachers to select the new ones. TEC9Y11 has 16 SCO's while the old TE9 has 87 SCO's-choose the former!
- 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

- **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. 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:

  - 1 screen printing kit (1 box)
  - 1 screen printing burning unit (1 box)
  - 1 Nikon Coolpix Digital Camera
  - rechargeable battery pack
  - 1 mini tripod
  - 1 USB drive with curriculum guide (and other resources) installed
  - poster set
  - Makita 18V Li-Ion cordless drill kit
  - 1 Drill set

- 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 is under review. 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

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 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

Exploring Technology 10 (Acad) EXT10AC

Provincial Guide

- Exploring Technology 10 (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
- 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

Grade 11

Applied Networking Technology 11 (Acad) ANTEC11

Provincial Guide

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

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 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, 3rd 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

Design 11 (Acad) DES11

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

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

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

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

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

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, 3rd 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

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

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

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

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.

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