

Health and Safety Resources to Support Health and Safety Expectations in the Ontario Secondary School Curriculum

This resource list has been assembled by the *Live Safe! Work Smart!* project team to further support the lessons, overheads, exercises and examples in *Live Safe! Work Smart!* We've previewed most of the resources to ensure they are suitable for the age and experience level of your students, that they bring the workplace into your classroom and especially that they support the health and safety expectations in the Ontario secondary curriculum or would be of interest to the TAP program. There are certainly a lot more resources available, and in time, we plan to expand this list. If you have come have found and used suitable materials, please pass that information on to us, so that we can include your "gems" in this resource. You can notify us of the resources you've used and get updated resource lists on the *Live Safe! Work Smart!* website: www.livesafeworksmart.net.

The resources have been grouped under the eight course streams within the secondary curriculum that contain courses with health and safety expectations. Further resources can be found in Section 3 of each chapter of *Live Safe! Work Smart!* and in the Resources section at the back of each binder.

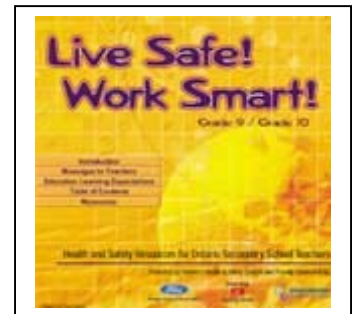
Cooperative Education and Ontario Youth Apprenticeship Program teachers should refer to the *Live Safe! Work Smart!* custom-designed appendix for their programs. A similar resource list organized by industry is provided within the document. The co-op resource can be downloaded from <http://www.livesafeworksmart.net> or can be obtained from the co-op or OYAP coordinator at your Board.

Live Safe! Work Smart! Grade 9/10 and Grade 11/12

Web address: <http://www.livesafeworksmart.net>

Written by health and safety professionals, produced by the Ministry of Labour in partnership with the Ministries of Education and Training, Colleges and Universities, *Live Safe! Work Smart!* provides the only comprehensive resource for Ontario teachers developed to match health and safety curriculum expectations from Grades 9 – 12. It has received top marks from the Ontario Curriculum Center. Reviews can be viewed on the OCC website:

(www.curriculum/occ/resources.org). Within the two-volume set are lessons, overheads, handouts and exercises well suited to cooperative education and apprenticeship.



Binders and CDs have been distributed to all secondary schools in Ontario. If you can't locate either, check the website at www.livesafeworksmart.net for who to contact in your Board to get more information on your local resources, or to order a CD of your own. If you don't have access to the web, you can place an order by calling 1-800-268-8013.

Arts

From an extensive list of health and safety resources for Art provided by the Toronto Catholic Board of Education, the following two were selected and included in *Live Safe! Work Smart!* Please provide us others that you've used and found effective for providing safety lessons in the art classroom.

Health Canada: “Art Teacher, Be Aware”

http://www.hc-sc.gc.ca/ehp/ehd/catalogue/bch_pubs/art_teacher.pdf

Download this free PDF version of a booklet about the safe use of arts and crafts materials. Although intended for elementary school teachers, the booklet provides background information about the hazards of a variety of crafts and materials, which may be useful for secondary school teachers.

“Health Hazards in the Arts: Information for Artists, Craftspeople and Photographers”

<http://wally.rit.edu/pubs/guides/healthhaz.html>

This guide lists a selection of recent books, periodicals, and other library materials about the health and safety of visual and performing artists.

Business Studies

For information technology courses, resources relating to Ergonomics are listed on pages 53 – 55 of *Live Safe! Work Smart!* Grade 11/12 edition.

COURSE: Grade 11: Introduction to Entrepreneurial Studies

Grade 12: Entrepreneurial Studies: Venture Planning

Video: The Business Case: For Workplace Health and Safety (1999)

Length: 16:50 min.

Cost: Free

Produced by: Workplace Safety & Insurance Board (WSIB)

Contact Info: Prevention Hotline – **Local Tel.:** (416) 344-1016, **Toll Free:** 1-800-663-6639

Description: Making your business successful can be achieved in a number of ways. This video shows how to succeed by avoiding losses to your most important investment: your employees. Business journalist John Dawe presents opportunities for preventing injury and illness – ways to protect your employees and your company. Here is the straightforward business case for prevention!

Video: Company Profiles of Best Practices in Workplace Health and Safety (1999)

Length: 12 min.

Produced by: Workplace Safety & Insurance Board (WSIB)

Description: This video highlights safe workplace and sound business practices. The spin-off benefits having a solid workplace health and safety system are credited in part with this company's global success. “It ultimately ends up in better communications within the corporation as a whole,” says Jim Lotimer, Lotek's President. “And teams work better

than individuals. Health and safety helps you work in teams...the reality is that quality people in quality environments produce quality products.”

Video: *Launching a Safe Start . You have rights and responsibilities* (2001) cc

Produced by: Workplace Safety & Insurance Board (WSIB)

Cost: Free

Description: If you work in Ontario “You have rights and responsibilities” legislated under the *Occupational Health and Safety Act*. Workplace health and safety affects not only you and those around you, but your family and community as well. Keeping safe and healthy while at work in the best interests of everyone. One way to ensure that is to work with your employer and participate in making your workplace safe.

This video is part of an orientation resource package designed to help make Ontario’s workplace health and safe.

There are two booklets to accompany the video:

Launching a Safe Start – an Employer’s Guide (5009A)

Launching a Safe Start – A Worker’s Guide (5010A)

Canadian and World Studies

Course: Grade 11: Understanding Canadian Law

Ontario Ministry of Labour

Web address: <http://www.gov.on.ca/lab>

For news and information about Ontario’s health and safety and employment legislation, the Ministry of Labour’s website is an excellent place to visit. It provides current information on both employment standards and health and safety legislation, recent fines, alerts, etc. and allows you to ask a question that will be answered by Ministry staff. To directly access information for students, use the web address:

<http://www.gov.on.ca/LAB/stu/studente.htm>. This section of the Ministry of Labour website ensures that students are aware of their rights and obligations and their employer’s rights and obligations under the *Occupational Health and Safety Act* and the *Employment Standards Act*. It includes: young worker safety education information; information for working students – know your rights and obligations; information for new workers and students working in Ontario; fact sheets for employees; your guide to the Employment Standards Act; and links to related websites.

Workplace Safety and Insurance Board

Web Address: <http://www.wsib.on.ca>

Summary: Contains information for both employers and employees about workplace safety. Includes advice on prevention, important news releases, policies and other work-related information.

Video: *Launching a Safe Start .. You have rights and responsibilities* (2001) cc

Produced by: Workplace Safety & Insurance Board (WSIB)

Cost: Free

Description: If you work in Ontario “You have rights and responsibilities” legislated under the *Occupational Health and Safety Act*. Workplace health and safety affects not only you and those around you, but your family and community as well. Keeping safe and healthy while at work in the best interests of everyone. One way to ensure that, is to work with your employer and participate in making your workplace safe.

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Career and Guidance Education, TAP

Course: Grade 10: Career Studies

There are extensive resources in *Live Safe! Work Smart!* designed to match the curriculum expectations. All of the following resources nicely supplement the lessons.

Ontario Ministry of Labour: Young Worker Web Site – Work Smart Ontario

Web address: <http://www.WorkSmartOntario.gov.on.ca>

This new web site will answer your students’ questions about employment standards (How much should I be paid? How much time off do I get?), etc., occupational health and safety (What are my rights and responsibilities? Who is responsible for my safety? How do I talk to my boss?, etc., and Workplace Safety and Insurance questions such as “What do I do if I get hurt?”. This site is perfect for research for Career Studies assignments, for job preparation, and for TAP sessions about career planning.

There is also important information about **Volunteering**. There’s information for students, parents and the employers who bring in teen volunteers. These are perfect resources for students working on their 40 hours of community service.

Ontario Ministry of Labour

Web address: <http://www.gov.on.ca/lab>

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<http://www.gov.on.ca/LAB/stu/studente.htm>. This section of the Ministry of Labour website ensures that students are aware of their rights and obligations and their employer’s rights and obligations under the *Occupational Health and Safety Act* and the *Employment Standards Act*. It includes: young worker safety education information; information for working students – know your rights and obligations; information for new workers and students working in Ontario; fact sheets for employees; your guide to the Employment Standards Act; and links to related websites.

Young Worker Awareness web site

Web Address: <http://www.yworker.com>

Summary: The Young Worker Awareness Program is designed to give students the information they need to protect their health and safety on the job. This complete website provides a lot of information for students – makes a great research site!

Student Resource Book

The student resource book, a 32-page, full colour publication called “7 things you’d better know” (pictured below) is available free of charge. The book is distributed during a young worker awareness program or can be obtained by contacting the WSIB at Youth@wsib.on.ca or call : 1-800-663-6639.

Student Resource Book



Young Worker Awareness Program School presentations

For several years, Ontario schools have been welcoming persons from the community to deliver the Young Worker Awareness Program (YWAP). YWAP provides an excellent overview of the rights and responsibilities of workers and also provides useful information for students on work placements. Those who deliver the program are committed to preventing injuries among young workers. Bringing in a community representative to reinforce the lessons you’ve been teaching for cooperative education safety is a great idea!

Contact Toll-free:

IAPA – 1-800-406-IAPA (4272)

Workers’ Centre – 1-888-869-7950

WSIB – 1-800-663-6639

Video: Outreach Edition: Things You’d Better Know...To Work Smart, Work Safe
(2001)

Length: 13 min.

Cost: FREE

Produced by: Workplace Safety & Insurance Board (WSIB)

Description: Created as part of the Young Worker Awareness Program, this video is narrated by Marisa Ellis, whose brother was killed after getting caught in an industrial mixer on the second day on the job at a bakery. It details the rights and responsibilities of young workers, and features the stories of:

- Marco, who lost his right hand trying to remove a piece of metal from a press
- Sandy, whose left hand was cut off by a fan
- Matt, who was paralyzed while employed as a camp counselor
- Isobel, who suffered from head and neck injuries after slipping and falling on the job
- Sean Kells, who died after a chemical explosion.

The program also has a companion student booklet (pictured on page 30) that provides students with a free, lasting reference to help them work safely.

www.oshforeveryone.ca is a health and safety website that provides a search engine and access to many organizations in Ontario who provide safety information. It's a great spot to research particular hazards or issues and get one-stop shopping in Ontario's health and safety system.

Dying to Work

Video, W-Five, CTV production 2001

20 minutes

Cost: varies by quantity

W-Five examines the perils of teen labour and discovers an astounding statistic — on average one young worker in Canada dies on the job each week and sixty thousand young workers are injured each year. *"The tragedy is that parents willingly send their children to work — not knowing that safety rules are lax,"* says reporter Wei Chen, who investigates several tragedies across Canada. The most high-profile case is that of 18-year-old David Ellis, killed on his second day on the job at a Toronto-area bakery. He died while taking cookie dough from a mixer that suddenly turned on. The program follows Ellis' father as he campaigns for tougher safety rules and tries to make teenagers aware of the risks they can face. Parents and victims from Delta, B.C. and Edmonton, Alberta, recount the tragedies in their lives. Experts say these accidents were preventable. Why did they happen?

Produced by CTV Television Network

© 2001 • 20 min. • Gr. 9-Adult, Professional

VHS Price: PPR-\$99 • Code # 859-31-1168VHS

MVCD Price: PPR-\$109 • Code # 859-92-1168MVCD

Bulk Order Prices

- 10 or more copies: VHS Price: PPR-\$50 each
- 25 or more copies: VHS Price: PPR-\$35 each

Ask for the 2001 edition of this production:

Toll free: 1-800-263-1717

Email: video@magiciantern.ca

Internet site: www.magiciantern.ca

Canadian Centre for Occupational Health and Safety (CCOSH)

Web address: <http://www.ccohs.ca>

Another website has excellent general information and a special section called Young Workers' Zone. The Young Worker's Zone provides health and safety information on various types of workplaces – great for TAP and Career Studies exercises.

CanOSH – Canada’s National Occupational Safety and Health Website – Young Workers

Web Address: http://www.canoshweb.org/en/young_workers.html

Summary: A list of links to a series of occupational safety and health (OSH) resources for young workers and/or individuals who are new to the workforce.

North American Occupational Safety and Health (NAOSH) Young Worker Links

Web Address: http://www.naosh.org/english/young_worker_links.html

Summary: Includes links to occupational safety and health related websites, as well as other youth resources.

Ontario School Boards Insurance Exchange

Web Address: <http://www.osbie.on.ca>

Summary: The primary goals of the Exchange are to insure member school boards against losses, and to promote safe school practices. The Ontario school “Risk Management at a Glance” material is intended to provide guidance and direction in the major risk management areas facing school administrators, principals, vice-principals, teachers and all other school staff on a daily basis.

Although this reference material is not intended to replace school board policies and procedures, it is intended to supplement the risk management considerations, which should go into making the decisions on the most common day-to-day school activities. The design of this publication is to promote the display of this document in a calendar-like format in every classroom to facilitate ready “Risk Management at a Glance”. Every employee who may be called upon to make a decision about the permitting of or the organizing of any activity listed can use this.

For any activities not listed in this material, it is recommended that you contact your board office, or refer to the policies and procedures as stated by your school board.

Workplace Safety and Insurance Board

Web Address: <http://www.wsib.on.ca>

Summary: Contains information for both employers and employees about workplace safety. Includes advice on prevention, important news releases, policies and other work-related information.

The First Step...Student Safety Handbook (2000) (Also available in French.)

Produced by: London Occupational Safety and Health Information Services

Contact Info: 424 Wellington Street, Suite 218, London, ON, N6A 3P3

Tel: (519) 433-4156 **Fax:** (519) 433-2887 **E-mail:** losh@execulink.com

Web: www.losh.on.ca

Description: A handbook for students, first-time workers, employers, unions, teachers, parents and health and safety professionals. This book may be used with other health and safety training programs, for example: WHMIS, the school curriculum, or the Young Worker Awareness Program.

Cost: 1 copy - \$20 plus \$5 for postage and handling.

100+ copies - \$15 each plus postage and handling.

Take Our Kids to Work – Teacher’s Guide; Workplace Guide The Learning Partnership

Web Address: <http://www.tlp.on.ca>

These resources have been custom designed to help teachers and workplaces prepare for Take Your Kid to Work day. The new booklets have an excellent section on activities to help prepare the students for a safe learning day.

Health and Physical Education

Ontario Physical and Health Education Association (OPHEA)

Web address: <http://www.ophea.org>

OPHEA develops, manages and executes a series of projects in the area of physical activity and health. Resources to support both elementary and secondary curriculum are available.

Science

Pages 107 – 109 of the Biological and Chemical Hazards chapter, *Live Safe! Work Smart!* Grade 11/12 edition suggests some appropriate resources.

Science Teachers Association of Ontario

Web address: <http://www.stao.org>

This organization provides excellent safety resources for science teachers and links to other science-related sites.

Video: Laboratory Safety: A Practice for Life (1985)

Produced by: STAO

Cost: \$50.00

Description: This video, as it’s title suggests, covers all aspects of health and safety in the laboratory and emphasizes that safe work practices learned in the lab are some that can be used outside of the lab to help keep you safe... for life!

Social Sciences and Humanities

The Home Economics teachers’ association may also be a good source of information on safety in food preparation areas/kitchens.

Courses: Grades 9/10 and 12: Food and Nutrition

Video: Foodservice Safety – Video Orientation Kit

Length: 23:30 min. in the four subject areas.

Cost: \$44.95 plus \$5 postage and handling.

Produced by: Ontario Service Safety Alliance

Contact Info: 4950 Yonge Street, Suite 1500, Toronto, ON, M2N 6K1

Toll Free: 1-888-478-6772 **Fax:** (416) 250-9500 **E-mail:** info@ossa.com

Web: www.ossa.com

Description: This four-module video and employee guide exposes the most common hazards and dangers in restaurant and foodservice workplaces. Subjects include: Burns and Scalds, Slips and Falls, Cuts and Lacerations, and Repetitive Strain Injuries.

Technological Education

Live Safe! Work Smart! has customized lessons to meet the curriculum expectations in the Physical Hazards, Ergonomics and Workplace Law chapters. Remember to always start with the expectations at the beginning of the book, which will display the courses and direct you to the pages prepared to give you all the information you need to teach the lessons. The videos, CDs and books listed below will provide you with additional resources to suit the needs of all students.

Course: Construction Technology (all grade levels)

Construction Health and Safety Association of Ontario

Web Address: www.csao.org

This association has extensive resources customized to all aspects of the construction industry. The resources mentioned below have been selected because their appropriate for workers new to construction, but check out the website for additional sector or equipment-specific resources to suit the needs of students being placed in the industry.

Great all-round resource for Construction Technology teachers, all grades:

Construction Health & Safety Manual (1998)

Produced by: Construction Safety Association of Ontario

Contact Info: 21 Voyager Court South, Etobicoke, ON, M9W 5M7

Tel: (416) 674-2726 **Toll Free:** 1-800-781-2726 **Fax:** (416) 674-8866

E-mail: info@constructsafety.on.ca, **Web:** www.csao.org

Description: The manual covers topics of interest in all trades. The subjects include responsibilities for workplace health and safety; personal protective equipment; first aid and emergency procedures; back care; housekeeping; and access equipment such as ladders, scaffolds, and elevating work platforms. Other topics include hand and power tools for construction trades and step-by-step guidelines for welding, cutting and formwork.

Cost: \$22.95 plus GST & PST, postage and handling.

Courses: *Grade 11 and 12: Construction Technology*

SPECIAL OFFER FOR ONTARIO TEACHERS: TEACHER RESOURCE KIT

The Construction Safety Association of Ontario has pulled together a resource kit, which includes some of their best publications that explain the construction industry (manual), and are geared to new construction workers (pamphlets, video).

The special price for teachers is: **\$50.00**. It includes the components below, which can be ordered individually, plus 30 “Your New Construction Job” booklets and classroom posters.

Package: Construction Health & Safety Teachers' Kit

Produced by: Construction Safety Association of Ontario

Contact Info: **Tel:** (416) 674-2726 **Toll Free:** 1-800-781-2726 **Fax:** (416) 674-8866

Package Includes: 1 copy of Construction Health & Safety Manual; 30 brochures "Your Construction Job"; 1 "New on the Job" video; 4 different posters "Danger Due To..."; 4 different posters including "Personal Protective Equipment"; "Joint Health & Safety Committee"; and "Help New Workers Start Right"

Cost: \$50.00 plus GST & PST, postage and handling.

5 CD-ROM SET:

Titles: **Legislation, Personal Protective Equipment, Site Safety, Material Handling and Back Care, and WHIMS Review (Special Package – huge discount!)**

Produced by: Construction Safety Association of Ontario

Description: This program will be of use and benefit to all construction personnel. Upon completion of this program, participants will be able to recognize and identify the basic requirements for health and safety on construction sites, including both equipment and procedures. Program duration is a minimum of 16 hours. Generic Level 1 training is a component of most multi-level trade training programs. Modules include: Legislation, Personal conduct, Personal protective equipment, Access structures, Electrical hazards, and Back care and materials handling.

Cost: \$50.00 plus GST & PST, postage and handling.

VIDEO: New on the Job (1997) *Length:* 10 min.

Produced by: Construction Safety Association of Ontario

Description: The video follows a new worker from his arrival on site through the various stages of his orientation to the moment when he's ready to start work. Live-action shots highlight personal protective equipment, safety responsibilities, and hazard awareness. The video also alerts workers to the four major causes of death on construction projects.

Cost: \$29.95 plus GST & PST, includes postage and handling.

Courses: Grades 10 – 12: Manufacturing Technology

Industrial Accident Prevention Association

Web address: www.iapa.on.ca

Cost: \$10 for each video including postage and handling.

The Industrial Accident Prevention Association (IAPA) has a well-developed resource library with topics related to the wide variety of safety issues found in manufacturing and industrial workplaces. Training courses, booklets, videos, web learning are among the types of materials currently available.

Blowin' in the Wind: Machine Guarding Prevents Deaths *Length:* 12 min.

Contact Info: **Canadian Auto Workers Union: Health and Safety Department:**

(416) 495-6558 **Toll Free:** 1-800-268-5763

E-mail: caw@caw.ca **Web:** www.caw.ca

Description: Deficiencies and the minimal use of machine guarding and lockout have resulted in workplace injuries and fatalities. The video describes the importance of machine guarding in protecting the health and safety of workers.

Courses: Grades 10 – 12: Hospitality, Hospitality and Tourism
Transportation Technology

Ontario Service Safety Alliance

Web address: <http://www.ossa.com>

The Ontario Service Safety Alliance provides health and safety resources to a wide spectrum of workplaces. Individual resources have not been reviewed.

Courses: Grade 10 – 12: Transportation Technology

Transportation Health and Safety Association of Ontario, the Ontario Trucking Association and the Ontario Safety League have tremendous expertise about the industry itself and health and safety elements that everyone working in the industry needs to know.

Transportation Health and Safety Association of Ontario

Web address: <http://www.thsao.on.ca>

Ontario Trucking Association

This association's free video(s), including "Career Highways – Safety" have been used and recommended by cooperative education teachers.

Web address: <http://www.ontruck.org>

Ontario Safety League

Web address: <http://www.osl.org>

Courses: Grade 11: Health Care

Grade 12: Medical Technologies, Child Development and Gerontology

Health Care Health & Safety Association of Ontario

Web Address: <http://www.hchsa.on.ca>

Summary: HCHSA supports the prevention and reduction of workplace injuries and occupational diseases in the health care sector in Ontario by assisting health care sector organizations to adopt preventative best practices and approaches. Information on the site includes: a variety of publications in print and electronic form; newsletters; legislative information; research updates; guidelines; reporting forms and program manuals; selected occupational health and safety training and certification; and relevant professional health and safety information.

Courses: All grades: Computer Technology

For computer courses, resources relating to Ergonomics are listed on pages 53 – 55 of *Live Safe! Work Smart!* Grade 11/12 edition.

NOTABLE RESOURCES

School Workers Health and Safety Guide

Canadian Centre for Occupational Health and Safety

This information-packed coil-bound pocket book covers school safety topics such as emergency preparedness, classroom safety, arts and crafts, industrial technology, maintenance and custodial practices, sanitation and infection control, sports and activities, work environment, ergonomics, personal protective equipment and health and safety legislation. There are good ideas and work practices that can add to your existing safety programs.

Cost: The price is very reasonable, and basically covers printing and distribution costs.

Check current cost and delivery information in the publications section of the web site.

Web address: <http://www.ccohs.ca>