



Descriptors of OTF Summer Institutes

Teaching Math through Problem-Solving— With or Without Technology (Grades 1-6)

Elementary teachers will deepen their understanding of the math curriculum, plan problem-solving lessons to build their students' understanding of key concepts and consider when the integration of technology will enhance student learning. **Toronto, July 14-16**

Practical Ideas for Enhancing Literacy and Numeracy through Technology (Grades K-3)

Participants will learn practical uses of technology to enhance learning across subject areas in K-3 classrooms. There will be a particular focus on applications and programs that support mathematics learning and literacy, including SMART Boards, online manipulatives, Pixie, WordQ and more. Teachers will leave this session with a wealth of resources and ready-to-use activities. **Ottawa, August 6-8**

Working the Math Processes through BYOD (Grades 4-10)

This session will work through the math processes, using a variety of digital tools appropriate in a classroom where students bring their own devices (BYOD). Participants will have the opportunity to design student inquiry activities, using a variety of tools that enhance mathematics teaching and learning. **Toronto, July 21-23**

Using Technology to Connect Students Globally in Project-Based Learning (Grades K-12)

This hands-on workshop will explore how to embed technology into inquiry-based learning projects. Projects span from K-12 and create cross-curricular opportunities for collaboration within classrooms and around the world. Presented in partnership with iEARN. **Toronto, July 23-25**

Google IT in the Classroom (Grades K-12)

Organize, engage, explore, create! In this workshop, participants will learn to use Google's wide range of free tools for student and teacher collaboration and creation, including docs, presentations, forms, drawings, mind maps and videos. **London, July 29-31**

"Ishpi-Gikendaassowin" Higher Learning—Infusing Aboriginal Cultures into the Classroom (Grades K-6)

Learn how to infuse authentic teaching of First Nation, Métis and Inuit (FNMI) cultures and histories into any K-6 classroom, done through cross-curricular modules that support traditional knowledge, oral history, and traditional and contemporary Aboriginal arts as a way to promote student well being. Strong links to the (2013) Revised Social Studies, History and Geography curriculum will be shared throughout.

Toronto, July 8-10 Sudbury, July 21-23

"Ishpi-Gikendaassowin" Higher Learning—Infusing Aboriginal Cultures into the Classroom (Grades 7-12)

Explore strategies, resources, and community contacts that support the authentic teaching of First Nation, Métis and Inuit (FNMI) cultures and histories. Experience ways to infuse traditional knowledge, oral history, and traditional and contemporary Aboriginal arts into your classroom. Strong links will be made to the First Nation, Métis and Inuit Studies, Revised Social Sciences and Humanities and Canadian and World Studies curricula.

Ottawa, July 16-18 London, July 29-31

Innovations in Physics Teaching and Learning (Grades 9-12)

How do students learn science? Led by three enthusiastic physics educators, this workshop is jam-packed with practical insights, well-tested activities, and materials to help you lead secondary physics lessons that bustle with excitement. **Sudbury, July 15-17**

To register, visit otffeo.on.ca and click on 2014 Summer Institutes

Energize your Business Studies Classes without a Textbook (Grades 9-12)

This workshop will help you energize your business studies classes through the use of technology and without the aid of textbooks. Units of study and classroom-ready resources will be shared as participants begin to build their cloud-based classroom.
Oakville, July 9-11

Implementing the Revised (2013) Social Studies, History and Geography (SSHG) Curriculum in Ontario Classrooms (Elementary)

The institute helps teachers move forward with the (2013) Revised SSHG curriculum. The following themes will be addressed: the inquiry model and thinking concepts used in SSHG; infusion of FNMI content; perspectives and worldview(s). Numerous online resources for supporting integration across subjects and divisions will be shared.
**Toronto, July 14-16 London, July 22-24
Ottawa, July 30-August 1**

Technology in the Social Science Classroom (Grades 9-12)

Participants will be guided through instruction of new technologies and their use in the social science classroom. Assessment techniques, research methods, differentiated instruction and engaging lesson practices will be explored in a social sciences context.
Toronto, July 8-10

A Journey of Inquiry (Grades 9-12)

Join our journey of inquiry as we work towards discovering how to effectively integrate family and resource management, First Nation, Métis, and Inuit cultures, histories and perspectives, and tools and pedagogical approaches to technology in the social sciences and humanities classroom. **London, July 15-17 Toronto, July 28-30**

Social Justice: Living Justice, Living Peace (Grades 9-12)

This social justice workshop will provide content-rich, technology-focused activities that will engage both students and teachers in the Revised Social Sciences and Humanities curriculum. It will push participants to think critically about issues both within and beyond Canada's borders, encouraging everyone to ask questions about the type of world they live in and the type of world they would like a hand in creating. **Ottawa, August 6-8**

The Revised Geography Curriculum: Using Inquiry, Concepts of Geographical Thinking and Spatial Technologies (Grades 7-12)

This institute will focus on the changes within the Revised Geography curriculum (Grades 7-12) with emphasis on the four pillars of the revised document. Participants will use practical skills and strategies, including web-based spatial technologies, field work and experiential activities to emulate the skill set of a geographer.
Toronto, July 23-25 Sudbury, July 30-Aug 1

Disciplinary Thinking (History/Civics) in Your Classroom (Grades 7-12)

Looking for ideas to embed historical and political/civic thinking concepts in your history/civics courses which effectively reflect revised curriculum documents? The institute will include

opportunities to investigate embedding the concepts into learning and assessment, while promoting "doing the disciplines." Various approaches to implementing technology as a tool to engage learners will be part of this workshop. Strong links to recently revised curricula will be shared throughout. **London, July 22-24
Ottawa, July 30-August 1**

Cruising the Revised FSL Curriculum (Grades 1-8)

FSL teachers will broaden their understanding, collaborate with colleagues from around the province, explore and expand their repertoire of learning strategies and begin to plan for September as they look forward to the implementation of the Revised FSL curriculum. **Ottawa, July 30-August 1**

Teachings from the Land (Grades K-8)

Discover how to incorporate Indigenous knowledge with western views and infuse this perspective into your classroom. Hands-on activities will demonstrate relationship-building, place-based learning, and avoiding cultural stereotyping. Links to elementary curriculum will be developed. **Ottawa, July 16-18**

Back to Nature with Technology (Grades K-8)

Today's children are encountering a condition known as "nature deficit disorder" and this session is aimed at providing teachers with strategies to reconnect students to the natural world by capitalizing on their interest in technology. **Toronto, July 28-30**

Teaching and Learning Secondary Science in the 21st Century (Grades 9-12)

Come explore ways to engage and deepen student learning through technology-enhanced critical inquiry in the secondary science classroom. Increase your knowledge of various technologies and share your experiences as we investigate specific tools that support inquiry in the science curriculum. **Toronto, July 28-30**

Creating Powerful Learning Opportunities through Sustained Inquiry (Grades 1-12)

Using a cascading curriculum, participants will collaborate to create rich social studies inquiry units framed around provocative and authentic over-arching questions and tasks that are supported by a variety of interesting mini-challenges. Digitally enhanced learning strategies will be discussed throughout. **Toronto, July 16-18**

Linking Social Studies and Numeracy Learning to Nature and the Outdoors (Grades K-8)

Outside every school, there' is an array of experiences to engage learners deeply. By linking these to learning expectations in social studies, numeracy and other subjects, teachers bring the vibrancy of the real world to the essential tasks of developing social studies understandings and numeracy skills. We explore how to engage every student by using the built, cultural and natural environments right outside the school doors. **London, July 15-17**