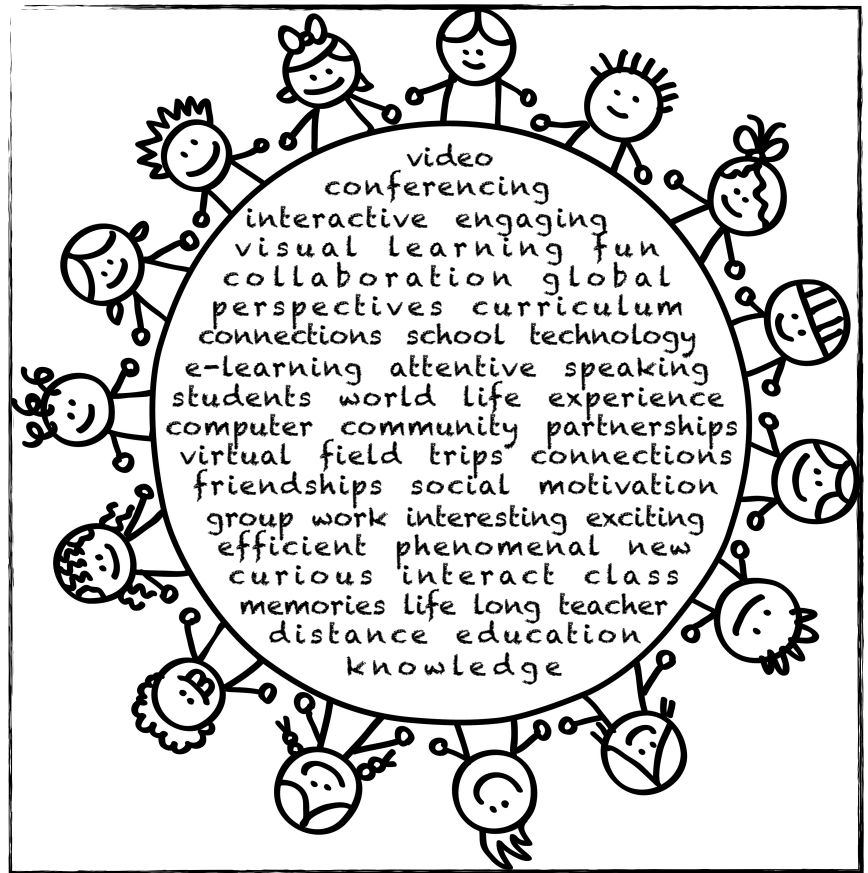


VCN Support

High School curriculum links for Video-Conferencing use in CLC Schools



Funding for Content Provider Videoconferences 2010 – 11 is Available

How to request a videoconference:

1. Register with CILC and reserve through them. Go to the CILC link (below the title of the videoconference). There is a link called "Request this Program Now" above the content provider name. Click on the link, then fill in the form, you will be asked to register (it is free)
2. Email the Content Provider (museum, etc) directly, the link can be found in the Contact Information on the description page for the videoconference.
3. Contact Michelle Fontaine (fontainem@cqsb.qc.ca) for assistance.

Vroc – Virtual Researchers on Call -- **CANADIAN** Reaching Every Student Program

Bring an expert into your classroom! Like to talk to an astronaut? How about a cancer researcher or a mathematician to help kids understand why they should take math! VROC will connect you and bring them into your class over the internet for a two-way virtual and live experience!

Sessions are available for almost any curriculum supportive topic you can imagine. VROC has already held sessions on hundreds of different topics in the areas of science, technology, engineering & mathematics and have access to potentially thousands more! Not sure about a topic? No problem. Just call our office, fax us or e-mail us and we will do our best to find a researcher that can speak to your specific topic.

Teachers must contact Michelle Fontaine for the registration form.

Science: IN THE NEWS: Genetically Modified Organisms

<http://www.cilc.org/search/content-provider-program.aspx?id=131>

Program Description: Through this link we will begin to have a better understand why scientists have developed techniques to modify organisms, how they are being used in the world today, and the effects on our daily lives. Students will be introduced to the science and then discuss and debate the ethics of the issues.

Program Format: 1. Discussion and activities to understand the science behind genetically modified products.
2. Debate of the ethical issues surrounding these techniques using a moderated format to facilitate discussion.

Objectives: 1. Participants will better understand that genetic modification of foods occurs in nature. 2. Participants will outline two or more specific ways in which people can genetically modify foods. 3. Participants will identify two ethical concerns regarding genetic modification of foods.

Mathematica: Beyond Numbers!

<http://www.cilc.org/search/content-provider-program.aspx?id=1810>
Program Series

This program consists of two Virtual Visit connections. The first presents the interactive program and the second allows the students to share back their post-visit work and research.

Target Audience: Grade(s): 6, 7, 8, 9, 10, 11, 12,

Program Description: Math is not just defined by numbers. It also involves patterns and relationships. Math is also considered the "Mother of all sciences" and is heavily used in Physics, Chemistry and Biology. Students will learn hands-on the importance of Math with an assortment of activities dealing with Topology, Probability, and Chirality just to name a few. Students will also get the opportunity to design their own game show involving Math as a post-project.

Art - Music: Hear the Art, See the Music

<http://www.cilc.org/search/content-provider-program.aspx?id=1437>

Program Description: Explore the basic ideas of tone and rhythm found in both music and art. Using the outstanding permanent collection of the Cincinnati Art Museum and partnering with the Cincinnati Symphony Orchestra, students explore this idea with a variety of excellent media.

Program Format: 1. We will begin with an introduction to the museum. 2. We then discuss music and art in terms of key (major vs. minor), tonality, and emotion. 3. We listen to music by the Cincinnati Symphony Orchestra and look at pieces from our collection to compare and contrast the tonality of the pieces. 4. Participants play a game to find visual art pieces to match audio pieces. 5. Time is allowed for questions and answers.

How To Get Reimbursed...

After viewing the videoconference, fill in the evaluation form and send the bill to Paule Langevin at Learn Quebec, see your CLC coordinator for more information and a copy of the evaluation form.

Visual Language: Language Arts through Visual Art

<http://www.cilc.org/search/content-provider-program.aspx?id=1282>

Program Description: Student will be led on an exploration of the links between visual and literary forms of expression. Metaphor and narrative are forms used in both visual and written expression, as are symbolism, allegory, caricature, irony, satire, plot, surrealism, conflict, and comedy. Students will look for and discover elements of narrative in visual art.

Program Format: 1. The program begins with an introduction to the relationship between visual and verbal/literary expression. 2. Students will be shown a series of artworks that exhibit literary elements. 3. Students will be given information and asked questions that will lead them to discover the narrative, literary, and artistic forms in each artwork.

4. The artworks shown will be increasingly more challenging, encouraging students to develop and use their skills of observation and critical and analytical thinking.

Objectives: 1. Participants will actively use their skills of observation. 2. Participants will describe literary and narrative forms and concepts at work in analyzing works of arts. 3. Participants will answer questions and engage in discussion.

4. Participants will broaden their appreciation for and understanding of written and verbal expression by seeing how artists use literary tools and forms in visual art. This is particularly useful for visual learners who may have difficult understanding/visualizing concepts such as symbolism, metaphor, satire, etc 5. Participants will gain an appreciation for the use of narrative and the story elements in abstract as well as representational art.

Science: Wave Watch

<http://www.cilc.org/search/content-provider-program.aspx?id=1092>

Program Description: Get ready to catch a wave! This Wave Watch TeleLink is a hands-on experience that will guide students toward learning more about waves and their role in communications and energy. Students will explore transverse and longitudinal waves, their physical properties, wave interference, diffraction of a light wave, the electromagnetic spectrum and calculate the velocity of a wave. What are amplitude, frequency, period, and wavelength? Students can find out during this interactive experience.

Target Audience: Grades 2 - 12

Objectives: The participant will experience different types of waves including light and sound waves discover the science and properties of all waves and their roles in our daily lives.

POP - Science: Ask the Expert

<http://www.cilc.org/search/content-provider-program.aspx?id=867>

Primary Disciplines: Career Education, Sciences

Program Description: Give your students the opportunity to meet a scientist and discover what it's like being a paleontologist, geologist or other museum professional. Every program is unique, as each expert uses multi-media programs, artifacts and their own personal experiences to bring their life's work to your classroom.

Program Format: 1. This program begins with a discussion of what the particular science/field that is the subject of the program is about. 2. The presenter gives some background about themselves, why they entered the field, their schooling, and real world experiences. 3. Artifacts and techniques used in the particular field are presented. 4. Viewers are encouraged to ask questions throughout the program.

Objectives: The participants will learn what the particular field of science presented in the program explores as well as what education is needed to work in the field, and what typical activities are involved in working in the field. Participants will also, The participants will have the opportunity to ask questions of the presenter and will see examples of artifacts and/or methods of research that are used in the scientific field being presented.

ERC: Chinese Words to Chinese Cultures (Religions)-Series

<http://www.cilc.org/search/content-provider-program.aspx?id=3230>

Program Series: This is a three part series. You may request all three session or any one individual session.

Program 1: Confucianism

Students will learn the distinction of the Chinese written characters (words) and how they relate to the Chinese culture. Additionally in this session students will learn the five relationships that Confucius taught and analyze Chinese people's mindset, values and the way of living.

Program 2: Taoism

Students will explore the meaning of Tao and the religious aspect of Taoism. Students will see pictures of temples and will hear stories on how to change from disaster to blessing.

Program 3: Buddhism

Students will learn what Buddhism is really about and clarify some misunderstanding on Buddha and Buddhism. Students will see pictures of current temples, different Buddha images, offerings and their representative meanings.

Science: Physics Rules

<http://www.cilc.org/search/content-provider-program.aspx?id=1106>

Program Description: If you've ever taken a ride on a roller coaster or in a car, pedaled a bicycle, or tried a skateboard, you've encountered the laws of motion. This Physics Rules TeleLink is a handS-on experience that will guide students toward learning more about the physical laws of motion that they experience every day. If you would like for your students to witness these laws, look no further than the road ahead of you. Many rules of the road are necessary because of physics. Explore Sir Isaac Newton's Three Laws of Motion as well as Conservation of Energy and Momentum.

Target Audience: Grades 2 - 12.

Program Format: Laws of Motion Law of Inertia, $F=ma$, Friction Force, Centripetal Force, Forces come in pairs. Physical Exam Reaction Time, Blind Spot

Objectives: *experience and understand the law of inertia. *experience and understand Newton's Second Law. *experience and understand Newton's Third Law. *experience and understand Conservation of Energy and momentum.

Contact Information

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Tips For Getting Started

- 1) Discuss your objectives for the lesson with the presenter.
- 2) Test connect with content provider.
- 3) Utilize the content provider's pre-conference materials and activities. Students get more out of a videoconference when they are prepared.
- 4) If there are no pre-conference materials, research the topic with your class. Again, it's important for students to be prepared.
- 5) Prepare questions for the expert.

