



Welcome to Digital Human Library

Canada's premier digital experiential learning library

# Enriching Student Learning with dHL Resources

Curious about how dHL's resources can be integrated to support student learning? Browse our new K-12 classroom examples by selecting a curriculum subject area to get started!

## ART (preview)

Grades: All

Curriculum: Creating and Presenting; Exploring Forms and Cultural Contexts; Elements of Design; Principles of Design  
Lesson Ideas:

Basic elements of design; ...

Virtual Tours/ VR:

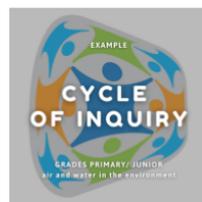
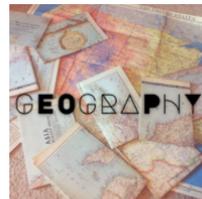
Andy Warhol Museum  
Artsy Education

dHL Experts:

Art Gallery of Ontario  
Children's Book Illustrators

Program Topics:

Art and the Canadian identity; Indigenous art and artists, etc.



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Want to be featured in our next newsletter?

**Submit your dHL Story!**

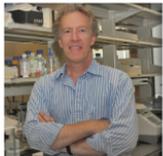
[digitalhumanlibrary.com/about/contact-us](https://digitalhumanlibrary.com/about/contact-us)

# Meet Our New dHL Experts



dHL is thrilled to welcome an incredible group of virtual researchers and STEM experts now available to support youth and learning across Canada. Connect with *dHL Experts* for career talks, educational programs, inquiry support, Q&As or mentorships on a date and time that work for you and your students. [Login](#) and search keyword *VirtualResearcher* to learn more about what our new *dHL Experts* have to offer!

## VIRTUAL RESEARCHERS & STEM EXPERTS



**Jeffrey Atkinson**  
Professor, BrockU  
Bio / Chemistry  
Medicinal Chemistry,



**Pauline Barmby**  
Professor, UWO  
Astronomy



**Dr. Ray Clement**  
Professor (retired)  
Chemical Analysis,  
Environmental Chemistry



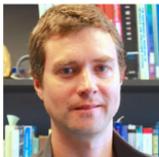
**Dr. Maria DeRosa**  
Professor & Researcher, Carlton  
Chemistry, DNA,  
Nanotechnology



**Michael Fox**  
Retired Professor, TrentU  
Fish Ecology  
Aquatic Invasive Species



**Dr. Mary Louise Hill**  
Geologist, LakeheadU  
Geology



**Brian Ingalls**  
Professor, UWaterloo  
Mathematics, Microbiology  
Computing



**Achim Kempf**  
Professor, Perimeter Institute  
Physics, Mathematics  
Information Theory



**Rebecca Merkley**  
Assistant Professor, Carlton  
Cognitive Neuroscience,  
Science of Learning



**Craig Merrett**  
Aerospace Engineer, Clarkson  
Engineering, Flight, Space



**Jeff Orchard**  
Professor, UWaterloo  
Computer Science  
Mathematics, AI



**Nathalie Ouellette**  
Astrophysicist, UMontréal  
Space, Galaxies, Black Holes  
Exoplanets, Alien Life



**Brian Shilton**  
Professor, UWO  
Genes, Cells, Molecules  
Biochemistry, Molecular Biology



**Jordan Stanger-Ross**  
Professor, UVic  
History; Japanese Canadian  
Internment & Dispossession



**Peter Watson**  
Emeritus Professor, Carlton  
Physics, Astronomy

“

Never doubt that a small group of thoughtful citizens can change the world.

Indeed it is the only thing that ever has. ~ Margaret Mead

”

## New dHL Experts Across the Curriculum

Meet a few of our new talented Experts and organizations available to connect and collaborate with your K-12 students. Curious? [Login](#) to dHL and browse our full *Video Conferencing Catalogue* where you will find hundreds more!



Centre of the Universe  
Dominion Astrophysical Observatory

Brayden Wheeler,  
Entrepreneur,  
YouTuber 1.4M  
Followers



Mathew Walpole,  
Independent  
Feedlot  
Consultant

# Get Inspired!



*digital*  
**HUMAN LIBRARY**  
VIRTUAL TOURS / VR CATALOGUE

**Over 500 NEW  
Virtual Tours & Virtual Reality  
Experiences for K-12!**

We are thrilled to announce over 500 new Virtual Tours & Virtual Reality experiences have been added to our incredible collection! dHL now has over 1500 annotated educational VT/ VR experiences to enhance classroom learning and provide students with an immersive digital window to the world.

## What is a Virtual Tour (VT)?

Virtual tours are the simulation of an existing location with the help of sequential videos or still images. Other multimedia elements like music, sound effects, floor plans, etc., could also be used. They help in recreating a realistic representation of reality. Virtual tours help in presenting views to inaccessible areas and provide an interesting and excellent alternative to fieldwork when expenses, time or logistics are a barrier.

## What is Virtual Reality (VR)?

Virtual Reality (VR) is a 3D computer generated 'virtual' environment that users explore and interact with in an immersive way. The feeling of being present in these environments requires the use of a VR headset. Some examples include: Oculus Rift, Samsung Gear VR, HTC Vive, Google Daydream View, or Google Cardboard.

While immersing yourself in VR requires a headset, the foundational component of all virtual reality is 360° video, which means that dHL tours can be navigated on desktop computers or mobile devices.

Questions? [Contact us!](#)

## Featured Sample Tours!

### Honey Bees - Hive

Take an intimate look at the life of a beehive. This infrared view of the inside of the hive shows the complex inner workings of the colony as they build combs, produce honey, protect the queen, and raise a new generation of workers and drones. Building their communal home inside a large hollow log, the colony is located in the town of Waal in Bavaria, Germany.

**Explore this Virtual Tour:** <https://explore.org/livecams/honey-bees/honey-bee-hive-cam>

### 360 Cities

360cities.net is the largest collection of stunning, high-resolution, interactive panoramic photos and 360 videos created by a network of thousands of the finest panorama photographers and videographers from around the world.

**Explore this Virtual Tour:** <https://www.360cities.net>

### Canadian Museum of Civilization

With roots stretching back to 1856, it is one of Canada's oldest public institutions and a respected centre of museological excellence, sharing its expertise in history, archaeology, ethnology and cultural studies both within Canada and abroad. In addition to its ongoing exhibitions, including the First Peoples Hall...

**Explore this Virtual Tour:** <https://www.historymuseum.ca/exhibitions/online-exhibitions/>

# Education for Social Innovation

## What is Education for Social Innovation?

Education for social innovation is about recognizing and acting on the power we have for making a positive difference in the world. By creating opportunities for students to experience how positive change happens, and more importantly, how they can be both designers and leaders in creating change, we raise awareness through empathy and give students choice and voice in ways that affect positive change in the world right now. Join us to explore the theme of social innovation in your classroom!

## Social Innovation Project Feature @GlobalEdSsChat

### GLOBAL ED STUDENT CHAT



#### Connecting K-12 students around the world to lead & learn

GLOBAL ED STUDENT CHAT (#GlobalEdSsChat) is a student-led Twitter Chat that connects K-12 students around the world to discuss topics related to character education, social justice, and citizenship. #GlobalEdSsChat creates opportunities for students to network with others, gain perspective, build relationships with new learning partners in a literacy-rich learning environment, experience social media as a powerful platform for learning, and establish a positive digital footprint.

#### TWEET & TALK

Join our monthly YouTube live events, or send us a request to join our Student Leadership Team on panel.



#### LEADERSHIP TEAM

Join our Leadership Team and use social media to share your voice and make a positive difference in the world.

Scan the QR code to learn more about joining our Student Leadership Team!



#### SLOW CHAT

Join in the conversation on Twitter all month long using hashtag #GlobalEdSsChat

*A voice is the first step to change. Without a voice, people will feel powerless and hopeless in the face of adversity. GlobalEdSsChat gives voices to students on issues that impact the entire world. That's why it's so important.*

~ Gobi Mathi, Student Leader, 2019 ~

#### CONTACT

✉ [info@globaledsschat.com](mailto:info@globaledsschat.com)  
✉ [digitalhumanlibrary.com/about/contact](http://digitalhumanlibrary.com/about/contact)

#### CONNECT

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# Why Use Digital Human Library?

*It was so incredible to be connected to so many people from countries around the world. Everyone was generating so many ideas to help solve the issue of climate change. And to be connected to climate change experts who asked us questions and shared their research made it the best experience I've ever had as a student.*

~ Ahmed, Grade 10

## It's not about **WHAT** you know, it's **WHO** you know...

Support K-12 student learning with access to hundreds of industry leaders, experts and organizations in every curriculum subject area.

### Benefits for Students:

- Build relationships for learning
- Access experts across industries from around the world
- Explore new career paths
- Discover new passions
- Acquire valuable networking skills
- Build character
- Develop global competencies/ transferrable skills
- Learn new content
- Grow as digital citizens

**Why? Because building relationships with others is how we learn.**

## Get Your Badge

Download your badge to display on your website, blog or socials!  
Find your badge on the Teacher or Expert section of the dHL website.



## Volunteer With Us

The important work we do at Digital Human Library would not be possible without our 20+ incredible volunteers and B.Ed student interns. As dHL continues to grow, so does our need for volunteers. If you are looking for opportunities to make a long-lasting, positive difference in the lives of students, then we need you!

Learn more:

<https://www.digitalhumanlibrary.com/join-our-team/>

*Working as a dHL intern was an incredibly enjoyable and useful experience. Leigh's approach to bringing me on the team was the very thing that separated dHL from other intern positions I've done in the past. Leigh determined my role by leading with the following question, 'what opportunity can I provide that is of most interest to you?' which in turn resulted in a series of projects that I felt passionate working on. Additionally, my experience was one filled with building professional and personal relationships, as well as developing skills in areas that were best suited to my ambitions. I consider myself lucky to have been a part of this organization and to have worked under such a great mentor and now friend.*

~ Greg Sykes, 2021

## Update Your dHL Profile!

It's that time of year again!  
Please update your dHL profile.

Be sure to check your profile description, contact information, profile picture and social media links. Including a profile picture improves the appearance of your profile and will result in more connections!

