

The Canada Science and Technology Museum  
presents

**A Virtual Exploration Guide  
to the  
Canadian Science and Engineering  
Hall of Fame**

**Section 1: About This Guide**



# Introduction

## Background

The Canadian Science and Engineering Hall of Fame was originally established in 1991 as a partnership of the National Research Council of Canada (NRC), the Canada Science and Technology Museum (CSTM), Industry Canada, and the Association of Partners in Education to mark NRC's 75th anniversary.

Since then, it has evolved to become a key part of the Canada Science and Technology Museum. The Hall of Fame was expanded and incorporated into the Museum's new *Innovation Canada* exhibition. The induction of new members into the Hall of Fame has also grown from a simple announcement in the early days to a major event at the Museum.

The objectives of the Canadian Science and Engineering Hall of Fame are twofold:

1. To honour Canadians who have made outstanding contributions to society in developing science and engineering.
2. To promote role models that will help attract young Canadians to careers in science, engineering and technology.

## What this Exploration Guide Can Do For You

This Exploration Guide lets you and your students discover our rich Canadian heritage of scientific and technological achievement using your school's Internet connections. Our activities and worksheets will enrich your exploration of the CSTM's exhibition and Hall of Fame webpages. Blank worksheets and detailed examples can be freely reproduced to use in your classroom. Our activities are modular and can be completed independently.

In addition to learning about Canadian science and technology, the Exploration Guide's activities reinforce other skills such as geography, mathematics or writing. You'll also find suggestions for classroom discussions, class projects and students' special projects.

## Navigating Through the Exploration Guide

Currently, there are five sections to the Exploration Guide. Each section can be downloaded as a separate Adobe PDF file, allowing you to select the sections you want to use. Alternatively, you can download the entire guide as a single Adobe PDF file. The content is identical in either case.

Section	Topic
1	Introduction (This Module)
2	Hall of Fame Members in Canadian Society
3	Science and Ingenuity
4	Intellectual Property
5	Nominating New Members to the Hall of Fame

Throughout the Exploration Guide, distinctive icons indicate features in the text. These help you find your way through the Exploration Guide quickly and efficiently.



Classroom activity



Discussion or essay topic



Deeper study



Site to visit

### **Activity 1.1: Discover the History of the Hall of Fame**

(Recommended for all grade levels)



Visit the Hall of Fame website and find the answers to the following questions:

- When was the Hall of Fame established?
- Who were the most recently inducted Hall of Fame members?
- Is there a member of the Selection Committee who does not work for a university? If so, who is that Selection Committee member?

### **Resources for the Activities**

Students will have to do some research into the lives of various Hall of Fame Members to complete these activities. Biographical notes for Hall of Fame Members are available at the Canadian Science and Technology Hall of Fame website at:

[http://www.sciencetech.technomuses.ca/english/about/hallfame/u\\_main\\_e.cfm](http://www.sciencetech.technomuses.ca/english/about/hallfame/u_main_e.cfm)



### **Selecting Hall of Fame Members for these Activities**

There are many Hall of Fame Members, and more are inducted each year. Choosing Members for these assignments could seem to be a daunting prospect! Some of these remarkable Canadians are well-known, but many are not (yet!) household names.

One approach would be to select Hall of Fame Members to complement particular study programs in your classroom. For example, selecting Members who have worked in the fields of botany or biology could enrich Life Sciences unit. Or, your students could pick Members who worked in fields that they find most interesting.

In this package, you'll find a list of Hall of Fame Members. Each entry shows as many as three fields of study for that particular Member. This will help you choose Members that match the interests of you and your students. This list will be updated annually, and you can download the latest list from the Hall of Fame website.

## **Curriculum Links**

### **Mathematics Curriculum**

Grades 4 to 6: Data Management and Probabilities

Grades 4 to 6: Number Sense and Numeration

Grades 4 to 5: Geometry and Spatial Sense

### **Social Studies Curriculum**

Canada and World Connections Grade 6: Canada's Link to the World

### **Canadian and World Studies Curriculum**

Grade 10: Change and Continuity

Grade 10: Methods of Historical Inquiry and Communication

### **Language Curriculum**

Grades 4 to 8: Reading; Writing; Media Literacy

### **English Curriculum**

Grades 9 to 10: Writing; Language; Media Studies

### **Science and Technology Curricula:**

Research into specific Hall of Fame Members provides rich curriculum links in the full range of Science and Technology curricula at all levels.

## **Resource Information**

Bruno, Leonard C. **Science and Technology Firsts**, Detroit MI, Gale Research ©1997

Black, Harry. **Canadian Scientists and Inventors**, Marathon ON, Pembroke Publishers ©1997

Shell, Barry. **Great Canadian Scientists**, Vancouver BC Polestar Book Publishers, Victoria BC ©1997 ISBN 1-896095-36-4

Shell, Barry. **Great Canadian Scientists Version 1 (CD-ROM)**, Vancouver BC Softshell Systems

## Useful Web Sites

### Notice Regarding Internet Sites

These Internet links are provided as a convenience only. We have taken care to suggest web sites that are appropriate for education, but we cannot guarantee the content of any sites that are not under the direct control of the Canada Science and Technology Museum Corporation. Such web sites may provide information or express opinions that do not necessarily represent the views of the Canada Science and Technology Museum Corporation. Should you choose to visit such web sites, you do so solely at your own discretion.

Since the Internet has a very dynamic nature, web addresses can change without warning.

Canadian Science and Engineering Hall of Fame website

[http://www.sciencetech.technomuses.ca/english/about/hallfame/u\\_main\\_e.cfm](http://www.sciencetech.technomuses.ca/english/about/hallfame/u_main_e.cfm)

CSTM **Curator's Choice** web pages

<http://www.sciencetech.technomuses.ca/english/collection/curators.cfm>

CSTM **Innovation Canada: Curator's Choice** web page

<http://www.sciencetech.technomuses.ca/english/collection/innovation.cfm>

CSTM **Kid's Zone** web pages

<http://www.sciencetech.technomuses.ca/english/schoolzone/kidszone.cfm>

CSTM **Kid's Zone Innovations Games** web page

<http://www.sciencetech.technomuses.ca/english/schoolzone/kidszone2.cfm>

Canadian Intellectual Property Office (CIPO) web site

[http://strategis.ic.gc.ca/sc\\_mrksv/cipo/welcome/welcom-e.html](http://strategis.ic.gc.ca/sc_mrksv/cipo/welcome/welcom-e.html)

Science and Technology for Canadians web site

<http://science.gc.ca/>

Canadian Geological Survey

[http://gsc.nrcan.gc.ca/index\\_e.php](http://gsc.nrcan.gc.ca/index_e.php)

National Geographic Map Machine

<http://plasma.nationalgeographic.com/mapmachine/>

World Atlas.com

<http://www.worldatlas.com>

The HyperHistory Online Project

[http://www.hyperhistory.com/online\\_n2/History\\_n2/a.html](http://www.hyperhistory.com/online_n2/History_n2/a.html)

Great Canadian Scientists website

<http://www.science.ca>

