



Education Guide
2015-2016


Children's
MUSEUM



In the Children's Museum

At the Children's Museum we understand the value of learning through play. Lessons come to life through our curriculum-connected programs that are educational, memorable and fun. Designed and delivered by our Education Specialists, all of our education programs are directly connected to the Ontario Curriculum.

Programs are offered September through June:

- Tuesday to Friday, 10 a.m. – 3 p.m.
- Mondays in June, 10 a.m. – 3 p.m.
- \$7.50/student for one 50-minute program
- \$11.00/student for two 50-minute programs
- Teachers and chaperones are FREE
- Children's Museum exploration is included!

Other information:

- A chaperone-student ratio of 1:5 is recommended and we ask that students are supervised at all times
- Children's Museum memberships and coupons cannot be applied to education programs
- Subsidies are available for schools identified as having financial challenges. Please inquire at time of booking
- Programs may be available en Français. Inquire when booking

For more information about any of our programs, or to book, call 519-434-5726.

Arctic Adaptation

In this interactive program, students will discover the ways in which living things have adapted to the harsh Arctic environment. Primary grades will explore how animals keep warm, go on an Arctic survival adventure, and discover physical and behavioural adaptations of animals in the Arctic. Junior grades will learn about blubber, take a microscopic view of Arctic lichen, and dissect owl pellets in order to compare their eating habits.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 1): *Science and Technology:*

Understanding Life Systems

Primary (Grade 2): *Science and Technology:*

Understanding Life Systems

Junior (Grade 4): *Science and Technology:*

Understanding Life Systems

Arctic Alive

Generously supported by London Life

In a visit to the My Arctic Discovery gallery, students will experience the Inuit lifestyle like never before. They will go on an ice fishing adventure, learn about traditional fishing spears and celebrate their first catch with drum dancing. Exploring traditional clothing and decorating their own amauti, students will be immersed in the culture of the Inuit.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): *Language; Personal and*

Social Development; The Arts

Primary (Grade 2): *Social Studies: People and Environments*

Celebrations



Fall/Winter

Generously supported by London Life

Offered September 8th to December 18th, 2015

Discovering the seasonal celebrations of different cultures during this time of the year, students will learn about the multiculturalism and diversity within our community. They will experience traditions, stories and activities that are part of Diwali, Hannukah, Christmas and Eid Al-adha to help them understand the similarities and differences between these celebrations.

Winter/Spring



Offered January 4th to June 29th, 2016

In this program, students will learn about the multiculturalism and diversity within our community. They will experience the stories and traditions of Japan's Kodomo no Hi (Children's Day) with authentic artifacts and items from our collection. Students will celebrate the Hindu festival Holi by throwing colours to create artwork and immerse themselves in the festivities of the Chinese New Year by participating in a traditional Lion Dance.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 2): *Social Studies: Heritage and Identity*

Primary (Grade 2): *Social Studies: People and Environments*

Community and Me

The concept of community comes to life as students take on the roles of important community workers in our Sifton Street Where You Live gallery. They will explore various services and service-related occupations, as well as important buildings in the local community as they discover the roles, relationships and responsibilities of being a vital community member and contributor.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): Language; Personal and Social Development
Primary (Grade 1): Social Studies

Digging Into Plants!



Offered May 30th to June 29th, 2016

In this interactive program, students will dissect a seed to reveal what's inside that allows the plant to grow and get their own seed ready to germinate. They will identify the major parts of plants and explore our garden to discover the ways in which soils, plants and animals depend on each other.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 1): Science and Technology;
Understanding Life Systems
Primary (Grade 3): Science and Technology;
Understanding Life Systems
Primary (Grade 3): Science and Technology;
Understanding Earth and Space Systems

Dinosaurs

Journey back in time more than 65 million years ago and learn about the largest creatures to walk the Earth! Students will experience what it is like to be a paleontologist by digging up dinosaur bones, figuring out what body part it is and discovering which dinosaur they belong to. Using fossil artifacts from our collection, including dinosaur bones, teeth, footprints, skin impressions and coprolite, students will learn more about these amazing animals and how they lived.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): Language; Mathematics;
Personal and Social Development
Primary (Grade 1): Language: Oral Communication

Junior Builder

Build with us! Using specialized creative builder sets, students will explore the role of simple machines and how they make objects move by designing, building and testing mechanisms that meet a specific need. Learn the relevance of engineering concepts in the real world and use problem solving skills to discover how these mechanisms make life easier and/or more enjoyable for humans.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): Language; Science and Technology
Primary (Grade 2): Language; Science and Technology;
Structures and Mechanisms

Operation Solar System



In this planetarium-based program, students explore our corner of the universe and discover the wonder and science of the solar system. Students examine the mysteries of space, including how far the planets are from the sun, the science behind impact craters and hold a real meteorite.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): Language; Science and Technology

Pulleys and Gears



By investigating force and experiencing mechanical advantage first hand, students will discover how gears in a gear system work together to transform one kind of motion into another and/or change the speed or direction of an object's motion. Students will also get a hands-on opportunity as they design and build their own pulley system.

KEY CURRICULUM CONNECTIONS:

Junior (Grade 4): Science and Technology;
Understanding Structures and Mechanisms

Take Flight!



Students will discover the properties of air that make flight possible and investigate the characteristics of aerodynamic design with artifacts and items from our collection. They will apply their knowledge of the principles of flight by designing and building their very own flying devices.

KEY CURRICULUM CONNECTIONS:

Junior (Grade 6): Science and Technology;
Earth and Space Systems
Junior (Grade 6): Science and Technology;
Understanding Structures and Mechanisms



In the Classroom

Bring the Children's Museum to your classroom! Designed and taught by Children's Museum educators, these 90-minute in-class programs bring the Ontario Curriculum to life using artifacts, hands-on activities and portable exhibit components.

Offered October through June:

- Monday to Friday on a first come, first served basis
- \$8.50/student for one 90-minute program

Bridge Building Challenge

Students will investigate the forces of compression and tension on structures in this hands-on program. They will explore how shape can affect the strength and stability of a structure and use technological problem-solving skills to design, build, test and evaluate a bridge.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 3): *Science and Technology: Understanding Structures and Mechanisms*

Junior (Grade 5): *Science and Technology: Understanding Structures and Mechanisms*

Electrifying Electricity **UPDATED**

In this interactive program, students will explore electricity and learn about parallel and series circuits by engaging in a collaborative "human circuit" activity. Students will investigate conductors and insulators by testing various materials within a series circuit, create their own squishy circuits that power LED lights and experiment with their own hand-made robots.

KEY CURRICULUM CONNECTIONS:

Junior (Grade 6): *Science and Technology: Understanding Matter and Energy*

Friends of the Forest

Trees form important pillars in our local ecosystems, allowing birds and critters of all sorts to thrive. Students will discover the role of trees through activities that highlight their adaptations such as tree ring explorations and pine cone experimentation. Students will also become stewards of the environment by making a contribution to help the local birds of the schoolyard.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): *Science and Technology; Language; Personal and Social Development*

Hooray for Music!

In this melodic program, students will investigate musical instruments from around the world and play with percussion instruments. They will explore beat and tempo, and how these elements can affect the way we feel when listening to music. Students will create their own instruments and use them to highlight the emotions of characters in a story.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 1): *The Arts: Music*

Primary (Grade 1): *Language: Media Literacy*

Primary (Grade 1): *Language: Oral Communication*



Know Yourself Inside and Out

Students will piece together the puzzle of how our bodies work by exploring the ways in which our senses communicate with our brain. They will learn about the lungs and heart including creating their very own model lung and using a stethoscope like a doctor. Students will be able to make connections to their own healthy living, as the importance of physical activity comes to life.

KEY CURRICULUM CONNECTIONS:

Early Years (JK/SK): *Science and Technology; Personal and Social Development; Health and Physical Activity*

Liquids Laboratory ★ NEW!

Students will be provided with a hands-on learning opportunity as they discover the properties of solids and liquids. As the classroom is transformed into a liquids laboratory, students will play with polymers, investigate a non-Newtonian liquid and create bouncing bubbles.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 2): *Science and Technology: Understanding Matter and Energy*

Primary (Grade 2): *Science and Technology: Understanding Earth and Space Systems*

Plants and Soils ★ NEW!

By identifying the plants that live in our backyard, students will explore the natural environment around them and discover the importance of plants. They will learn how plants are used in our everyday lives, the interdependence of plants, soils and animals, use plants to create dyes and learn about composting.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 3): *Science and Technology: Earth and Space Systems*

Primary (Grade 3): *Science and Technology: Understanding Life Systems*

Renewable Energy

Where does our energy come from? How do these sources of energy affect our planet? Students will determine how renewable sources of energy such as solar, muscular, wind and water can power their world. They will experience and evaluate the pros and cons of current alternative energy sources as well as ways that they can reduce their “ecological footprint”.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 1): *Science and Technology: Understanding Matter and Energy*

Junior (Grade 5): *Science and Technology: Understanding Earth and Space Systems*

Rocks and Minerals

By exploring the science of geology, students will experiment with the physical and chemical properties of rocks and minerals. Igneous, sedimentary, and metamorphic rocks and minerals will be tested and classified based on their hardness, colour, streak colour, transparency, lustre, texture and chemical properties and students will learn about how they are formed.

KEY CURRICULUM CONNECTIONS:

Junior (Grade 4): *Science and Technology: Understanding Earth and Space Systems*

Science of Sound

Students will discover the relationship between vibrations and sound through inquiry-based learning opportunities. They will explore how sound can be modified and will discuss applications of the properties of sound in society today.

KEY CURRICULUM CONNECTIONS:

Junior (Grade 4): *Science and Technology: Understanding Matter and Energy*

Traditions of the Arctic

Students will explore the traditions and culture of the Inuit, investigate the climate and physical features of the Arctic and discover how the Inuit people have adapted to this environment. They will be given the opportunity to explore Arctic artifacts, participate in Inuit traditions and experience the Inuit lifestyle like never before.

KEY CURRICULUM CONNECTIONS:

Primary (Grade 2): *Social Studies: Heritage and Identity*

Primary (Grade 2): *Social Studies: People and Environments*





Self-Guided Field Trips

The Children's Museum is a place where children learn how the world works, who they are and what they might become – all through play! A self-guided visit gives your class the chance to explore our hands-on galleries at your own pace and take part in daily activities.

Offered September through June:

- Tuesday to Friday, 9:30 a.m. – 5 p.m.
- Mondays in June, 9:30 a.m. – 5 p.m.
- \$6.50/student, plus HST
- Chaperones are FREE



Museum School London provides elementary students with an unforgettable week of learning and discovery. This innovative approach to education allows teachers to move their classroom into a museum setting for a full week of curriculum-based experiential learning.

To learn more about Museum School London at the Children's Museum, please visit www.londonculture.ca/things-we-do/museum-school-london or contact Ryan Hunt, London Heritage Council at 519-661-2500 x 8487.



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