

Stop Motion Animation, Structures & Mechanisms, Social Sciences +



The Niagara Children's Museum Catalogue of Workshops

Connectable Hands-On Programs Available For Schools: Niagara Region & Beyond

ELKP—Gr. 8



www.niagarachildrensmuseum.ca

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K.I.D.S. Hands-On Programs

HANDS-ON INTEGRATED LEARNING
FIELD TRIPS & EXPERIENCES FOR SCHOOLS

Workshops For Students To *K*reate, *I*nvestigate, *D*iscover & *S*olve.

NIAGARA CHILDREN'S MUSEUM 8058 OAKWOOD DRIVE • NIAGARA FALLS, ONT • L2G 0J1

PHONE: 905.356.1514

Email: info@niagarachildrensmuseum.ca

Online@ www.niagarachildrensmuseum.ca



The **K.I.D.S.** approach to learning applies hands-on activities as a way for children to naturally use their curiosity and creativity.

- **Kreate:** To nurture a child's imaginative expression.
- **Investigate:** To provide avenues for a child to explore themselves and the world through either self-guided or directed activities.
- **Discover:** To give a helping hand to a child in developing a love for the quest.
- **Solve:** To assist a child in developing life's problem solving tools.

At the centre of the K.I.D.S. approach to understanding is *Art Based Integrated Learning (ABIL)* where art concepts and techniques are the vehicles used for a child to explore themselves and the surrounding world. Both the Museum's exhibitions and programs use the Ontario curriculum as a starting point and the cross-curricular connections of art concepts, techniques and tools not only help children gain fundamental skills and competence in art but also assists them with understanding the concepts, techniques and tools of the other disciplines being explored.

Visit us online for more programs available including art classes, camps & birthday parties: www.niagarachildrensmuseum.ca



WEBSITE



Please see details in the program information pages that follow using the following codes:
NR = Niagara Region
OOR = Out Of Region

DISCOUNT PRICING!

Planning Ahead? *Many Do & SAVE!*

Our **Museum Explorers Program** is available for teachers & schools in the **Niagara Region** who book their workshops a season ahead! Reserve today for next season and receive a discounted per student cost on **full programs** upon completion!* Please see workshops descriptions &/or inquire by phone for more information. *Certain restrictions apply.

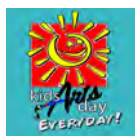


RESOURCES: Links To Our Affiliate Resources!

Follow **Niagara Falls Art Gallery** on social media for more news, announcements, offers & more!



Subscribe To Our Channel
Niagara Falls Art Gallery



NCM K.I.D.S. PROGRAMS – QUICK GUIDE

Available As:		Workshop Title	For Grade/Division		
FULL Program	HALF Program		P	J	I
STRUCTURES AND MECHANISMS WORKSHOPS					
●		FLIP FLOP: Art & Structures	●	●	
●	●	Explore, Experiment, Create	ELKP		
●	●	Discovering Structures	1		
●	●	Movin' Things	2		
●	●	Hands-on Stability	3		
●	●	Simple Machines		4	
●	●	Structures and Forces		5	
●	●	Exploring Motion		6	
DIGITAL VISUAL MEDIA PROGRAMS					
●		Stop Motion Animation		●	●
SOCIAL SCIENCES					
●		The DIG: A Mock Expedition		●	●
●		SUPER SLEUTHS		●	●



Reserve A Workshop

Workshop reservations can be made by phone by calling
905.356.1514 Monday to Friday 9am –3pm.

In order to complete the reservation, please use the following checklist for required information:

- ☐ Name of School
- ☐ Name(s) of Teacher(s) & Grade(s)
- ☐ Estimated # of students (per class/grade)
- ☐ Name of Workshop you are interested in
[Please see following pages for details or refer to our quick guide above]
- ☐ Contact EMAIL(S) & Phone Number
- ☐ Interested date(s) & time(s)
[Please have alternate dates available if your chosen day is unavailable]
- ☐ **IN SCHOOL WORKSHOPS:**
If you have selected an In School workshop, please notify us of your bell times while placing the reservation in order for staff to make the necessary arrangements.



More questions? Email: dave@niagarachildrensmuseum.ca



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Structures & Mechanisms

AVAILABLE FOR ELKP TO GRADE 6

AVAILABLE AS AN **IN MUSEUM PROGRAM ONLY**

Full Program (Approximately 4.5 hrs): \$14.00 /Student

MUSEUM EXPLORERS: \$13.00 /Student

Half Program (Approximately 1.5-2 hrs): \$8.00 /Student

2 or More classes from the same or different grade can take part in a workshop:

Full Program* is recommended. Luncheon space available for Full Program participants.

*Max. capacity limitations apply. Most workshops require 4 student groups. Please Inquire.

 **FLIP FLOP Program** (Approximately 4.5 hrs): \$15.00 Student



Our Flip Flop Program is a great way to break up the day!

It offers 2 workshops over the day:

An Art Drawing Workshop & a Half Program of Structures!



ELPK (JK/SK): Exploration, Experimentation & Creativity

Filled with various small and oversized building materials, tools & other play items, this workshop aids the development of foundational skills and concepts of structures, simple machines, and more through self guided play.

Adult supervision is required and it is recommended that the visiting students be divided into 3 groups. There is no cost for adult supervision.

GR. 1: Discovering Structures

Students build it big & small to discover the distinctive characteristics of shell, frame, and mass structures through geometric and organic forms. A variety of building materials offered that may include K'nex, nuts & bolts, & picture building plans. *Group work emphasized.*

GR. 2: Movin' Things

Explore simple mechanisms, their characteristics and the structures that support them in this fun filled workshop. Modules can include gears, axles and other moving things! *Group work emphasized.*

GR. 3: Hands-On Stability

Students will build structures and mechanisms while exploring stability and how various forces, material shapes and connections affect stability. *Group work emphasized.*

GR. 4: Simple Machines

Create various functioning mechanical systems in this hands on workshop that incorporates Medieval and other early societal themes. *Group work emphasized.*

GR. 5: Structures & Forces

Forces acting on structures are examined in this hands-on workshop. Create various table top & oversized structures such as a Roman arches, Egyptian pyramids & the post and lintel system. *Group work emphasized.*

GR. 6: Exploring Motion & Electricity

Using the Museum's hands-on modules, students explore motion & circuitry using different structures, mechanisms and technologies! Students will create and test structures, machines, mechanical & electrical systems from primitive & modern origins. *Group work emphasized.*

STOP MOTION ANIMATION

AVAILABLE FOR GRADES 3 – 8

AVAILABLE AS AN **IN MUSEUM & IN SCHOOL WORKSHOP**

IN MUSEUM (Approximately 4.5 hrs): \$15.00 /Student

MUSEUM EXPLORERS: \$14.00 /Student

IN SCHOOL (Approximately 4.5 hrs): \$16.00 /Student

MUSEUM EXPLORERS: \$15.00 /Student

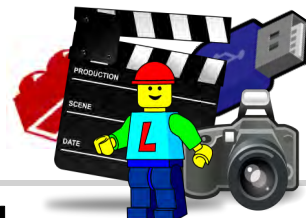
O.O.R. IN SCHOOL (Approximately 4.5 hrs): \$18.00 /Student

** IN SCHOOL WORKSHOP INFORMATION & REQUIREMENTS:

Museum Staff will arrive ~1hr prior to beginning of day. Please be ready to provide staff access to classroom for setup prior to start of instructional day. Museum Staff will come with a fully equipped mobile lab including computers and workshop materials however they will *require access* to a minimum of 2 power outlets and a clear projection space/board/screen for demonstration purposes. Student desks may need to be rearranged to facilitate program & accommodate equipment.

** PLEASE ALSO NOTE:

The normal school day schedule (breaks etc.) will be altered to accommodate program requirements as on a field trip.



STOP MOTION ANIMATION 1

AVAILABLE AS AN **IN MUSEUM & IN SCHOOL WORKSHOP**

Working in groups, students will design, shoot and produce a short stop motion animation in the style of a silent film from the ground up. Learning about film & camera techniques, the group will work on the development of their short story through the creation of characters, storyboards, set props & backgrounds. Teachers will receive a digital copy of all student work which can be distributed to the students!

Can be linked to many different topics studied in the classroom.

STOP MOTION ANIMATION 2

AVAILABLE AS AN **IN SCHOOL ONLY**

Suggested as a follow up to the Stop Motion Animation 1 workshop, this workshop will build on concepts learned while introducing some advanced approaches, in-camera special effect techniques and sound effects to design, shoot and produce a short stop motion animation from the ground up while working in groups. Teachers will receive a digital copy of all student work which can be distributed to the students! *Can be linked to many different topics studied in the classroom.*



Want to reserve a workshop?

Contact Dave by Phone @ #905.356.1514

or Email: dave@niagarachildrensmuseum.ca

Inquire about our Museum Explorers Program eligibility and benefits!





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The DIG: A Mock Expedition

AVAILABLE FOR GRADE 4+

AVAILABLE AS AN **IN MUSEUM PROGRAM ONLY**

AVAILABLE ONLY*: LATE SEPTEMBER–OCTOBER & MID-APRIL –JUNE

*Weather and Environmental Conditions Apply.

Full Program (Approximately 4.5 hrs): \$15.00 /Student

MUSEUM EXPLORERS: \$14.00 /Student

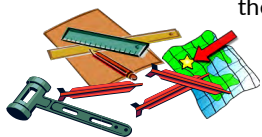
2 or More classes from the same or different grade can take part in a workshop:
Full Program* is recommended. Luncheon space available for Full Program participants.
Max. capacity limitations apply. Most workshops require 4 student groups. Please Inquire.

Discover Paleontology, Archaeology, Anthropology+



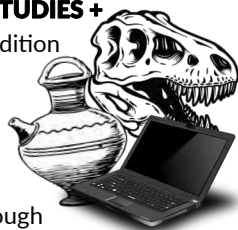
Whether you're studying fossils & dinosaurs, aboriginal peoples, a civilization from 3000 BCE-1500 CE, a medieval crusade, the war of 1812, New France to the beginnings of Canada, or so much more your students will **DIG** into this hands-on cross-curricular workshop that brings history and practical application together! This workshop can be linked to many areas of study across multiple grade levels.

The mock excavation portion of the workshop can be a mix of paleontological and archaeological sites or teacher's may choose between them (must be selected at time of reservation).



ARTS/SCIENCES/MATHEMATICS/SOCIAL STUDIES +

Students will experience a mock-up of an expedition in both **virtual & physical** environments while problem solving through the use of symbols, measurement, mapping, grids and coordinates! Get ready to unlock the secrets of the past as students first prepare for their excavation through a series of indoor activities, including a digital excavation, and then get dirty as we '**DIG**' into the outdoor hands-on mock-up excavation site where you never know just what you'll discover! Teachers will receive a copy of the students' work which can be used for assessment.



PLEASE NOTE: There are **INDOOR & OUTDOOR** components

to the workshop (partially covered excavation site). Participants are advised to dress weather appropriate (incl. proper footwear) as well as bring proper sunscreen & insect repellent as the outdoor portion of the workshop is subject to environmental conditions.

In most cases, this is a Rain or Shine event.



Super Sleuths



AVAILABLE FOR GRADE 4+

AVAILABLE AS AN **IN MUSEUM & IN SCHOOL WORKSHOP**

IN MUSEUM (Approximately 4.5 hrs): \$18.00 /Student

MUSEUM EXPLORERS: \$17.00 /Student

IN SCHOOL (Approximately 4.5 hrs): \$20.00 /Student

MUSEUM EXPLORERS: \$19.00 /Student

O.O.R. IN SCHOOL (Approximately 4.5 hrs): \$22.00 /Student

** IN SCHOOL WORKSHOP INFORMATION & REQUIREMENTS:

Museum Staff will arrive ~1hr prior to beginning of day. Please be ready to provide staff access to classroom for setup prior to start of instructional day.

Event requires adequate space for set-up (ex: gym space) as well as access to tables & seating, a minimum of 4 power outlets and a clear projection space/board/screen for demonstration purposes.

** PLEASE ALSO NOTE:

The normal school day schedule (breaks etc.) will be altered to accommodate program requirements as on a field trip.

*Maximum capacity limitations apply. Please Inquire.



About Super Sleuths

Students will become super sleuths as they uncover evidence and help determine the direction of the case.



Through our **hands-on field model stations** students will use professional materials and methods to narrow the field of investigation. Stations can include*: a **3 Dimensional** recreation profile, exploring the **MOCK INCIDENT Scene**, investigating evidence in our **Digital Microscope** and **Track Analysis** Labs, performing a corporeal **Medical Examination**, reviewing **Video Surveillance** and using **Digital Facial Composition** software.

With the evidence in hand, students will culminate the workshop by cross examining **Persons of Interest (P.O.I.)** files and develop presentations of their findings with suggestions on how the case investigation should proceed.

* A selection of stations will be included based on scenario assessment by NCM staff.



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