

Programs offered April-June 2011

MacLachlan

WOODWORKING MUSEUM



Hands-on History at Grass Creek Park!
2993 Highway 2 East (15km east of Kingston) K7L 4V1
613-542-0543
www.woodworkingmuseum.ca
mwmuseum@cityofkingston.ca

- Open year round for school programs
- Cost is \$3.50 per participant. Teachers and supervisors are free
- All programs are a minimum of 75 minutes in length
- All programs are appropriate from students in Kindergarten to Grade 8
- For more information or to book a tour, call 613-542-0543 or contact us at education@cityofkingston.ca

Discover the many education programs offered at the MacLachlan Woodworking Museum. Educators can select from different curriculum linked programs which either introduce your students to the subject or complement material already covered in class. Hands-on experiential learning is included in each program, all of which meet the Ontario Ministry of Education Curriculum standards.

Groups are encouraged to share a bus and arrive with two classes. The Museum can accommodate one class at a time in tour but will provide activity-related material for the teachers to utilize while the other class waits for their tour. Take advantage of beautiful Grass Creek Park for a picnic or outdoor games. If the weather is inclement, the Museum can provide educational videos to be viewed on site. (For more information about the park facilities, please call 613-544-4442)

WOOD WORKS

Students will learn about different tools, their functions and how they impact the construction of a structure. Students will also be engaged in a discussion that addresses the importance in choice of materials for specific projects and how forces might impact the overall design both internally and externally. Through hands-on activities, the students will put their learning to practice by trying their hand at carpentry and completing a woodworking project that can be taken home.

Grade 5 Understanding Structures and Mechanisms – Forces Acting on Structures and Mechanisms

Overall Expectations

By the end of Grade 5, students will:

1. Investigate forces that act on structures and mechanisms;
2. Identify forces that act on and within structures and mechanisms, and describe the effects of these forces on structures and mechanisms.

WOODY THE TREE

This program focuses on the nature of trees through fun-filled demonstrations and experiential learning. Geared towards younger students, participants can put their newly acquired knowledge to work as they investigate the Museum's outdoor arboretum. Students are encouraged to make connections between the resource of trees and the products they supply for all living things. Through hands-on activities, students will create their own recycled paper that they can take home.

Kindergarten – Children are curious and connect prior knowledge to new contexts in order to understand the world.

Overall Expectations

By the end of the Full-Day Early Learning-Kindergarten program, children will:

1. Demonstrate an awareness of the natural and built environment through hands-on investigations, observations, questions and representations of their findings;
2. Conduct simple investigations through free exploration, focused exploration, and guided activity, using inquiry skills;
3. Demonstrate an understanding of the natural world and the need to care for and respect the environment.

REASONS FOR SEASONS

This program encourages students to investigate the changes reflected in the environment throughout the year by observing how trees undergo seasonal changes. Students will participate in demonstrations and create a large colourful mural of their interpretation of the seasons. To help encourage the students to become good stewards of the environment, time will be set aside for them to discover the Francis K. Smith Arboretum.

Grade 1 Understanding Earth and Space Systems - Daily and Seasonal Changes

Overall Expectations

By the end of Grade 1, students will:

1. Assess the impact of daily and seasonal changes on living things, including humans;
2. Investigate daily and seasonal changes;
3. Demonstrate an understanding of what daily and seasonal changes are and of how these changes affect living things.

PIONEER DAYS

Students will learn about life in 19th century Upper Canada as they explore the challenges the early settlers faced and the reasons for their immigration. Participants will travel back in time and try their hand at the various different tools that were used by the early settlers in constructing their log houses. Through demonstration and hands-on programming, the students learn about the life and trades of the settlers from yesteryear.

Grade 3 Heritage and Citizenship - Early Settlements in Upper Canada

Overall Expectations

By the end of Grade 3, students will:

1. Describe the communities of early settlers and First Nations peoples in Upper Canada around 1800;
2. Use a variety of resources and tools to gather, process and communicate information about interactions between new settlers and existing communities, including First Nation peoples, and the impact of factors such as heritage, natural resources and climate on the development of early settler communities;
3. Compare aspects of life in early settler communities and present-day communities.

WEATHER OR NOT - FEATURING WEATHER ANCHOR, BILL HALL

BOOK EARLY FOR THIS LIMITED TIME OFFER!

OFFERED FROM 9:30-11:00 AM, APRIL 18-29, 2011

Join our local CKWS-TV Weather Anchor, Bill Hall, along with the Museum staff as they discuss the weather and climate in this hands-on, interactive education program. Students will explore the reasons for daily and seasonal changes, test their knowledge about the environment and create a weather vane that they can take home. This program encourages outdoor learning at the museum located in the beautiful setting of Grass Creek Park.

Grade 1 Understanding Earth and Space Systems

Overall expectations

By the end of Grade 1, students will:

1. Assess the impact of daily and seasonal changes on living things, including humans;
2. Investigate daily and seasonal changes;
3. Demonstrate an understanding of what daily and seasonal changes are and of how these changes affect living things.



Join us in celebrating UNESCO's Year of Forests at the MacLachlan Woodworking Museum!



FOCUS ON FORESTS

To celebrate UNESCO's Year of Forests, the MacLachlan Woodworking Museum will be offering the program Focus on Forests throughout 2011. This program focuses on Canadian forests, and will teach students about the importance of stewardship and sustainability. Students are encouraged to explore the natural environment surrounding the museum (including our new arboretum) and learn to identify differences between coniferous and deciduous trees. Through demonstrations and hands-on learning, students will improve their understanding of the importance of trees and their role in the environment. Program offered year round.

Focus on Forests is also available in a full-day format for \$12 per student.



Museums free for O.C.T!

Ontario teachers receive FREE admission with valid ID from the Ontario College of Teachers to both the Pump House Steam Museum and the MacLachlan Woodworking Museum.

Programs offered May-June 2011

Pump House

STEAM MUSEUM

Discover Kingston's first water pumping station!

23 Ontario St, Kingston, ON K7L 2Y2

September – April: 613-546-4291 ext. 1339

May – August: 613-546-4291 ext. 1666

www.steammuseum.ca

phsmuseum@cityofkingston.ca

- Open May and June for school tours
- Cost is \$3.50 per participant. Teachers and supervisors are free
- All programs are a minimum of 75 minutes in length
- All programs are appropriate from students in Kindergarten to Grade 8
- For more information or to book a tour, call 613-546 4291 X 1666 or contact us at education@cityofkingston.ca

Book your tour at the Pump House Steam Museum for interactive curriculum based programming. Education tours are designed to work within the complement of the subject matter of Ontario Ministry of Education's Science and Technology. Each program offers an opportunity to explore and discover outside the classroom setting.

SIMPLE MACHINES

Discover the many ways in which simple machines make work easier! Explore the fascinating world of the inclined plane, screw, wedge, lever, pulleys, and wheel and axle. Through a variety of demonstrations and hands-on learning, students will understand the differences between the machines and define their basic function. Students will also create their own machine to take home.

Grade 2 Understanding Structures and Mechanisms – Movement Overall Expectations

By the end of Grade 2, students will:

1. Assess the impact on society and the environment of simple machines and mechanisms;
2. Investigate mechanisms that include simple machines and enable movement;
3. Demonstrate an understanding of movement and ways in which simple machines help to move objects.



PULLEYS AND GEARS

Experience the exciting world of simple and complex machines! Through interactive experiments, students will learn about machines and how they work. Students will learn technical terms such as "gear train" and will be encouraged to answer questions concerning a number of different aspects about the functions of a pulley. While exploring the museum and its collection, students will learn how pulleys and gears operate in everyday objects.

Grade 4 Understanding Structures and Mechanisms – Movement Overall Expectations

By the end of Grade 4, students will:

1. Evaluate the impact of pulleys and gears on society;
2. Investigate ways in which pulleys and gears modify the speed and direction of, and the force exerted on, moving objects;
3. Demonstrate an understanding of the basic principles and functions of pulley systems and gear systems.



WHAT'S THE MATTER WITH WATER?

The properties of matter are explained through the medium of water. Interactive examples are used to show the physical and chemical changes that occur in water when placed in different circumstances. There will also be models that explain how water differentiates from other liquids, including how heat and cold affects different liquids. Students will focus on how the properties of different materials relate to their use in the everyday world.

Grade 5 Understanding Matter and Energy – Properties of and Changes in Matter

Overall Expectations

By the end of Grade 5, students will:

1. Evaluate the social and environmental impacts of processes used to make everyday products;
2. Conduct investigations that explore the properties of matter and changes in matter
3. Demonstrate an understanding of the properties of matter, changes of state and physical and chemical change.

UNDER PRESSURE - AIR AND WATER FORCES OF MOVEMENT

Explore how different forces play significant roles in the function of the everyday world. Through this program students engage in hands-on demonstrations that show how air and water pressure can be used to move objects and power machines. Looking at the operation of both life-sized and model engines in the Museum, students will observe the action and uses of these forces in real life.

Grade 3 Understanding Matter and Energy – Forces Causing Movement

Overall Expectations

By the end of Grade 3, students will:

1. Assess the impact of various forces on society and the environment;
2. Investigate devices that use forces to create controlled movement;
3. Demonstrate an understanding of how forces cause movement and changes in movement.

YESTERDAY'S KNOWLEDGE FOR TODAY'S TECHNOLOGY

Learn about the importance of steam power in the Victorian era! Discover the original steam driven water pumps at Kingston's first water pumping station. Students will explore the properties of fluids used in yester year's technology. Through scientific method, the students will experiment with the properties of different fluids and their utilization in today's technology.

Grade 8 Understanding Matter and Energy – Fluids

Overall expectations

By the end of Grade 8, students will:

1. Analyse how the properties of fluids are used in various technologies, and assess the impact of these technologies on society and the environment;
2. Investigate the properties of fluids;
3. Fluids are essential to life.



What's included in a tour at the museums?

Each tour lasts a minimum of 75 minutes and includes 15 minutes of exploration in a hands-on educational exhibit. All tours include interactive components where students are encouraged to discover different aspects of the museum through various learning styles. At the end of each tour, students will take home a project, along with supplementary information regarding further exploration of ideas outside of the museum setting.

If a cancellation is received less than 48 hours prior to an educational tour, a \$25 cancellation fee will be charged. Schools will not be charged for cancelling a reservation due to inclement weather.

Tours offered year round

KINGSTON CITY HALL TOURS

216 Ontario Street, Kingston, ON K7L 2Z3
613-546-4291 ext. 1520
www.cityofkingston.ca

- Open year round for school tours
- Free of charge (donations are gratefully accepted to support the volunteer-led school tour program)
- Tours are approximately 45 minutes in length
- Tours are appropriate for students aged 8 and up
- Maximum of 30 students per tour. For every 10 children there must be one adult supervisor
- For more information or to book a tour, call 613-546 4291 X 1520 (Please note: a minimum of two week's notice is required)

Kingston City Hall, National Historic Site, was built in the 1840's when Kingston was the first Capital of Canada. As the centre for local governance, City Hall is a vibrant municipal government building housing City Council and city staff. Filled with educational treasures and artifacts, the City Hall tour is uplifting and informative, and will build historical awareness and civic pride. Tours focus on local government, local politicians, Canada's first Prime Minister Sir John A. MacDonald, architecture, history and civics.



Celebrate Loud Day!

On May 18, come celebrate International Museum Day as Loud Day at your local museums. Many people have been told to be quiet in a museum, but why should this be the case? People should be encouraged to ask questions and discuss the exhibits when visiting a museum. The MacLachlan Woodworking Museum and the Pump House Steam Museum are proud to be part of this celebration of Loud Day! Come make some noise!

May is
Museum
Month!

School Performances between April-June 2011

THE GRAND THEATRE PRESENTS

218 Princess St, Kingston, ON K7L 1B2
613-530-2050
Website: www.kingstongrand.ca
Email: grandtheatre2@cityofkingston.ca

- Cost is \$7 plus applicable taxes per student with one complimentary adult ticket for every 20 student tickets purchased
- All programs run approximately 1 hour without intermission
- For more information or to book a performance, contact us at 613-530-2050 or grandtheatre2@cityofkingston.ca

Théâtre Motus presents **BAOBAB – MONDAY, APRIL 18, 2011, 10:30AM & 1:00PM**

Grades 2-6

Baobab is a puppet and shadow theatre production that tells the story of a little boy, Amondo, and a great quest in which the courage of a child might change the history of the world. In a sundrenched world where shadows are a welcome break, African percussion instruments turn into animals while masks and puppets become genies or witches! Let the great "griot" guide you into this mythical story inspired by African tales.

JAKE'S GIFT – MAY 31 THROUGH JUNE 2, 2011, 10:30AM

Grades 6-10

Jake's Gift is an award winning Canadian play about a WWII veteran's journey back to Juno Beach to find the grave of a brother who never returned home. Jake's Gift is a powerful comedy-drama about a cantankerous veteran who reluctantly returns to Juno Beach for the 60th Anniversary of D-Day. While there, he meets Isabelle, a precocious 10-year-old from the local village, whose inquisitive nature and charm challenge the old veteran to confront some long ignored ghosts.

Grand Theatre Resource Guides

The Grand Theatre is proud to introduce curriculum-linked education resource material that will be accessible to students, educators and the community in order to enhance their experience at the Grand Theatre. The resources are intended to help foster an arts integrated approach to the performance and can be found online at kingstongrand.ca/education. Currently you can access Modern Dance and Classical Ballet resources.

PLUS!

International Dance Day

On April 29th, celebrate UNESCO International Dance Day with dancers from the world renowned Paul Taylor Dance Company! Join us for a noon-hour introductory modern dance workshop appropriate for all abilities at Springer Market Square or the Cataraqui Centre. For more information about how you and your class can participate in this free event please contact Melissa Mahady Wilton, Dance Engagement Coordinator for the Grand Theatre at (613) 545-9269, or mahadywilton@sympatico.ca.

PLUS!

eyeGO to the Arts

Secondary school students can now take advantage of the eyeGO to the Arts program: you can get tickets to most Grand Theatre Presents performances for only \$5. Some exceptions apply, based on availability and seating may be limited. Please present your full-time student ID at the Grand Theatre Box Office to purchase your eyeGO ticket. For more information visit www.kingstongrand.ca or www.eyego.org

PLUS!