



## Kalamazoo**VALLEY**<sup>™</sup> **Museum** ALWAYS SOMETHING **NEW!**

### SPECIAL **EXHIBITIONS**

#### **GUITAR: The Instrument That Rocked The World**

Sep 30 – Jan 7, 2018

Visitors will have an entertaining, engaging, and hands-on experience with one of the most important cultural icons in history: the guitar.

Learn about the science of sound, the evolution, engineering, and design of the guitar, and its cultural impact. This exhibition has it all: music, science, history, pop culture, video, education, interactives, and games.

*Guitar: The Instrument That Rocked The World* is a Touring Exhibition of The National Guitar Museum.

#### **Hateful Things**

Sep 17 – Jan 14, 2018

Hateful Things is a traveling exhibit from the Jim Crow Museum of Racist Memorabilia at Ferris State University.

This exhibit contains 39 items from the late 19th century to the present day. All of the pieces, as well as several images of violence, help to illustrate the effects of the Jim Crow laws against African Americans. The exhibit is meant to examine the history of racism as well as present day stereotyping, and to help promote racial healing. This exhibit is not recommended for children under the age of 12.

### SELF-GUIDED TOURS

Teachers may bring students to self-guide through our permanent and special exhibitions. Museum staff is on hand to assist. General admission and exhibits are always free, but pre-registration is recommended.

**KALAMAZOO DIRECT TO YOU** is our history gallery filled with many stories, artifacts, and hands-on experiences that will provide you and your students with an immersive experience of Kalamazoo's past and present.

**NEW! INNOVATION GALLERY** is packed with all-new hands-on fun where students will learn, through individual and team activities, about the science and technology that matters here in Kalamazoo. The gallery will include activities related to land, mobility, music, and the human body. The ThinkTank will feature live demonstrations, while the Innovation Lab will buzz with activity as students meet challenges to design, test, and evaluate a variety of things humans depend on for daily life.

**THE MYSTERY OF THE MUMMY** exhibits a 2300-year-old mummy and other Egyptian antiquities. Students will learn how the disciplines of science and history combine to help us understand the culture in which the mummy was created.

**SCIENCE ON A SPHERE®** Researchers at NOAA developed Science On a Sphere as an educational tool to help illustrate earth science to audiences of all ages. Animated images of atmospheric storms, climate change, and ocean temperature are shown on the 60-inch diameter sphere, which is used to explain complex environmental processes in a way that is fun and educational.

# PLANETARIUM

Our planetarium and staff will engage your students in programs about the night sky, our solar system, outer space, and historical and cultural views of the heavens. Many of our shows support exhibits, workshops, and demonstrations also offered to a wide range of grade levels.

Please visit [www.kalamazoomuseum.org](http://www.kalamazoomuseum.org) for a complete list of the many shows we offer, along with detailed show content, Michigan Science Standards alignment information, and current astronomical information. Programs are listed with the youngest targeted audience appropriate for the show; many are suitable for older audiences.

A small sampling of shows includes:

## PROGRAMS ABOUT THE SOLAR SYSTEM:

### **Secret of the Cardboard Rocket**

*Lower Elementary, 40 minutes*

Children use their imagination to explore the solar system in a cardboard rocket, guided by a magic book.

### **Invaders of Mars**

*Grade 5 and up, 25 minutes*

Orbiting spacecraft and robotic landers have gathered information about Martian features from canyons to ice caps. Learn of their discoveries.

### **Did an Asteroid Really Kill the Dinosaurs?**

*Middle Elementary, 25 minutes*

Did a rock 6 miles wide slam into the Earth and wipe out 75% of all species, including the dinosaurs?

### **Wonderful Worlds**

*Grade 5 and up, 50 minutes*

See the planets as they appear from Earth, where they reside in the solar system, and in close-up views provided by many space probes.

## PROGRAMS ABOUT THE NIGHT SKY:

### **In My Backyard**

*Preschool - Lower Elementary, 45 minutes*

Through stories and song, explore nature and the changing seasons in Fred Penner's backyard.

### **One World, One Sky**

*Preschool - 1<sup>st</sup> Grade, 30 minutes*

Big Bird, Elmo, and Hu Hu Zhu explore the sky we all share.

## PROGRAMS ABOUT OUR PLACE IN SPACE:

### **Dawn of the Space Age**

*Upper Elementary, 40 minutes*

A look at space exploration from the USA-Russian Space Race to humankind's international efforts to live and work in space on the ISS and beyond.

### **Black Holes: The Other Side of Infinity**

*Middle School, 40 minutes*

Supercomputing technology takes us where humans can never venture – to the center of a black hole.

### **From Earth to the Universe**

*Grade 6 and up, 30 minutes*

Through science and technology, man has learned about the universe. Take a stunning voyage through space and time to learn about our solar system, stars, and galaxies that make up our universe.

### **Journey to Space**

*Grade 4 and up, 40 minutes*

Humans have an inherent need to explore what lies beyond the next horizon. Where will humans go in the future following the Space Shuttle Program?

## CULTURALLY-BASED PROGRAMS:

### **Sky Legends of the Three Fires**

*Middle Elementary, 30 minutes*

Stories from Michigan's Native American "People of the Three Fires" give their explanation of how the stars and Milky Way got into the night sky.

### **Stars of the Pharaohs**

*Upper Elementary, 40 minutes*

Find out how ancient Egyptians used the stars to align their temples and tell the passage of time and seasons.

### **NEW! The First Stargazers**

*Upper Elementary, 25 minutes*

Find out how a variety of civilizations from around the world used the stars to align their temples and tell the passage of time and seasons.





## FREE DEMONSTRATIONS

Appropriate for all grades, approximately 20 minutes. Request one of the following demonstrations at least two weeks before your visit. Groups are limited to two different demonstrations at no charge. Additional demonstrations are available for fees. Please check our website or call for program details and to register.

### SCIENCE:

#### **Cooking a Comet**

Our chefs are out of this world! Watch while we mix the essential ingredients to create a comet right before your eyes.

#### **Electricity**

Everyone experiences electricity in their day-to-day lives, whether it's operating machines, lighting up a room, or getting that shock after walking across the carpet and touching a doorknob. This demonstration will explain the difference between static electricity and current electricity. It's guaranteed to make your hair stand on end!

#### **Moon Phases**

Students will quickly learn how to identify the phases of the moon. They'll take home a booklet to help them remember what they learn!

### HISTORY:

#### **Mystery Artifacts**

Participants will help solve the mysteries of some of our historical artifacts. What are they? How do they work? Who used them? Depending upon the age of the group, this demonstration may be presented in a game show format.

#### **Spinning**

Michigan's early pioneers needed to be somewhat self-sufficient. See how pioneer women helped to keep their families clothed; learn about the connection to agriculture and animal husbandry of the early 19th century.

## CLASSES & WORKSHOPS FOR STUDENTS

Designed for single classes, 30-50 minutes in length. Find details about classes and registration on the Kalamazoo Valley Museum website at [www.kalamazoomuseum.org](http://www.kalamazoomuseum.org). Fees and registration information are on the back page.

### HISTORY:

#### **The Fur Trade**

*Grades 1-3*

#### **Pioneer Life**

*Grades 1-4*

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### PHYSICAL SCIENCE:

#### **NEW! Climate Change**

*Grades 6 & up*

#### **Weather Instruments**

*Grades 4 & 5*

#### **Newton's Laws**

*Grades 3-5*

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### ASTRONOMY:

#### **Meet the Moon**

*Grades 4-5*

#### **Ancient Observatories**

*Grades 4-8*

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### ARCHAEOLOGY:

#### **Archaeology Lab**

*Grades 5-8*

#### **Site on the Floor**

*Grades 5-8*

## GENERAL INFO

### Arranging a Visit to the Kalamazoo Valley Museum

Detailed information about all programs is available online at [kalamazoomuseum.org](http://kalamazoomuseum.org), or feel free to call and ask to speak to one of our educators about matching our programs and exhibits to your curriculum needs.

### Accessibility Services

The Museum is handicapped accessible. Sign language interpreters may be scheduled for programs with a minimum of two weeks' notice.

### Reservations

All group visits to the Museum require at least two weeks' advance notice. Please call Museum Support Specialist Elizabeth Barker to arrange your visit: (269) 373-7965, (800) 772-3370, or email [ebarker@kvcc.edu](mailto:ebarker@kvcc.edu).

### Cancellations and Late Arrivals

Complete cancellation procedures and policies are detailed on our website and in your confirmation packet. Some late cancellation fees may apply.

### Chaperones

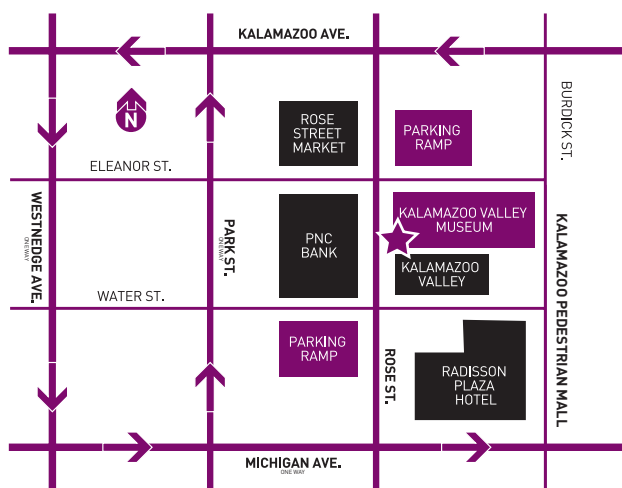
Groups should bring one adult per six students. For fee-based programs, extra chaperones will be admitted to programs, space permitting, with regular fees charged per adult.

### Location

The Kalamazoo Valley Museum is located at 230 North Rose Street, between Water and Eleanor Streets in downtown Kalamazoo.

### Parking

Make arrangements for buses with Central City Parking before your visit at (269) 342-6383. Further information and directions to the Museum will be sent with your confirmation.



## FREE GENERAL ADMISSION

### Fees for School Programs

Planetarium, Innovation Lab and other workshops \$3/student

There is a minimum charge of \$45 for all fee-based programs.

## Kalamazoo VALLEY Museum

230 North Rose Street  
Kalamazoo, MI 49007

269.373.7990  
800.772.3370

Visit us at  
[kalamazoomuseum.org](http://kalamazoomuseum.org)  
f /KalamazooValleyMuseum  
t @kalamazoomuseum

*Fees for some programs apply and are listed throughout this newsletter.*

Monday – Saturday: 9 a.m.–5 p.m.  
Art Hop Fridays 9 a.m.–8 p.m.  
Sundays & Holidays: 1 p.m.–5 p.m.  
(Closed: Thanksgiving, Christmas Eve, Christmas, and Easter)

The Kalamazoo Valley Museum is operated by Kalamazoo Valley Community College and is governed by its Board of Trustees



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