



Kalamazoo VALLEY™ Museum

ALWAYS SOMETHING NEW!

SPECIAL EXHIBITIONS

February 6–May 8, 2016

Goose Bumps! The Science of Fear

This exhibit provides an experiential and holistic view of fear science, examining the physiological, neurobiological, and sociological aspects of fear. Engaging activities in Goose Bumps! allow students to experience fear in a safe and enjoyable environment, rate their response, understand the science behind the emotion, and reflect upon its personal meaning.

A traveling exhibit organized by the California Science Center and supported, in part, by the Informal Science Education program of the National Science Foundation.

January 23–April 9, 2016

Kalamazoo Gals

This is the untold story of the women who built the legendary WWII-era Gibson guitars known in the trade as “Banners” because of the decal affixed to their headstocks. They are now recognized, nearly three quarters of a century after their manufacture, as among the finest acoustic guitars ever produced!

April 23–August 21, 2016

Fares and Squares: History of Checker Motors

A 1920s Checker cab will be featured in this history of Kalamazoo’s contribution to the auto industry. This special exhibit was developed in collaboration with the Gilmore Car Museum.



SELF-GUIDED TOURS

Teachers may bring students to self-guide through our permanent and special exhibitions. Museum staff are on hand to assist, and a PDF download is available on our website to help focus students’ attention. Exhibits and self-guide PDF are always free. 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.

SCIENCE IN MOTION is packed with hands-on fun, where students will learn about energy, the human body, and technology. Historical facts about scientific discovery relate to the principles explored in the gallery.

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

THE MOON REVEALED exhibit features a six-foot-diameter hemispheric globe of the near side of the Moon. It includes specially-lit landing sites, interactive videos, explanation of the phases of the Moon, and information on the United States’ monumental efforts to reach our nearest neighbor. Ask for the Phases of the Moon demonstration – FREE – to enhance your students’ experience of this exhibit.

FREE DEMONSTRATIONS

Appropriate for all grades, approximately 20 to 40 minutes. Request up to two demonstrations at least two weeks before your visit at no charge. Additional demonstrations are available for fees. Please call for more information and to register.

COOKING A COMET

We’ll create a comet right before your eyes! (physics)

ELECTRICITY

Learn the difference between static electricity and current electricity. (earth science, physics)

MOON PHASES

This interactive demonstration will help students understand sun-moon-earth positions that create the phases of the moon. (earth/space science)

BUTTER CHURNING

Learn how butter is made the old-fashioned way. (social studies)

MYSTERY ARTIFACTS

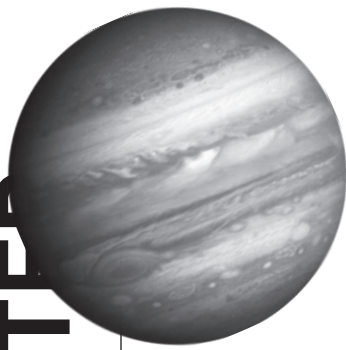
Students will help solve the mysteries of historical artifacts. (inquiry, critical thinking)

SPINNING

See how pioneer women helped to keep their families clothed. Learn about the physics and social history of this simple machine. (science, social studies)

TOYS FROM TIMES PAST

Sample the fun of toys, unplugged! (history, social studies)



PLANETARIUM

Come in out of the cold and let us engage your students in programs about the night sky, our solar system, outer space, and historical and cultural views of the heavens.

Visit kalamazoomuseum.org for additional shows and detailed content, GLCE alignment, and current astronomical information. Programs are listed with the youngest targeted audience appropriate for the show; many are suitable for older audiences.

PROGRAMS ABOUT THE SOLAR SYSTEM:

Secret of the Cardboard Rocket

Lower-Middle Elementary, 40 minutes

Little Star That Could

Lower-Middle Elementary, 40 minutes

Invaders of Mars

Upper Elementary, 25 minutes

Ice Worlds

Upper Elementary, 25 minutes

New Horizons

Upper Elementary, 25 minutes

Secrets of the Sun

Upper Elementary, 25 Minutes

Wildest Weather in the Solar System

Upper Elementary, 30 minutes

Wonderful Worlds

Upper Elementary, 50 minutes

Small Worlds

Middle Elementary, 25 minutes

PROGRAMS ABOUT THE SUN, EARTH, MOON:

One World, One Sky: Big Bird's Adventure

Preschool - Lower Elementary, 30 minutes

Mystery of the Missing Moon

Middle Elementary, 35 minutes

(Complements the Challenger Learning Center's Moon Mission)

Mystery of the Missing Seasons

Middle Elementary, 40 minutes

Back to the Moon for Good

Upper Elementary, 30 minutes

NEW! Eclipse 2017

Middle Elementary, 45 minutes

PROGRAMS ABOUT OUR PLACE IN SPACE:

Big

Middle Elementary, 40 minutes

Dawn of the Space Age

Middle Elementary, 45 minutes

Hubble Vision

Middle School, 45 minutes

Galaxies

Middle School, 45 minutes

Violent Universe

Middle School and up, 45 minutes

Black Holes: The Other Side of Infinity

Middle School and up, 40 minutes

PROGRAMS ABOUT THE NIGHT SKY:

In My Backyard

Preschool - Lower Elementary, 45 minutes

Bear Tales

Spring constellations

Middle School, 40 minutes

Constellations Tonight

Middle Elementary (live star talk), 50 minutes

Orion Nights

Winter constellations

Upper Elementary, 45 minutes

The Artists' Sky: Art Inspired by the Stars

Spring constellations

Upper Elementary, 45 minutes

Treasures of the Great Lakes

Summer constellations

Upper Elementary, 45 minutes

Cosmic Zoo

Middle Elementary, 55 minutes

Measuring the Night

Upper Elementary, 55 minutes

The Starry Messenger

Autumn constellations

Upper Elementary, 30 minutes

CULTURALLY-BASED PROGRAMS:

Stars of the Pharaohs

Upper Elementary, 40 minutes

Lamps of Atlantis

Upper Elementary, 30 or 45 minute versions available

2012 Mayan Catastrophes

Upper Elementary, 40 minutes

Sky Legends of the Three Fires

All grades, 45 minutes

OTHER TOPICS:

SpacePark 360

Upper Elementary, 50 minutes

Journey into the Living Cell

Upper Middle School/High School, 30 minutes

In memory of Alvin H. and Emily T. Little

CHALLENGER LEARNING CENTER

Full-Crew Missions for 4th–8th grades

(Can be adapted for older grades)

Students experience simulated space flight to learn about science, math, technology, critical thinking, problem solving, and teamwork. During their mission, teams of students role-play as mission controllers and astronauts in a realistic spacecraft and mission control environment.

The teams work collaboratively to make decisions, solve problems, and communicate mission results during their 2-hour flight. Students retrieve and interpret scientific data using technology, perform scientific experiments to test hypotheses, conduct research investigations, and document their findings.

The Mission: Voyage to Mars®

Appropriate for 5th – 8th grades.

The Mission: Rendezvous with a Comet®

Appropriate for 5th – 8th grades.

The Mission: Return to the Moon®

Appropriate for 4th – 5th grades.

The Challenger Experience

(for grades K-3)

This is a 20-minute program designed with younger students in mind. Students participate in problem-solving and teamwork in the exciting environment of the spacecraft simulator. No prior training or preparation required. Classes with more than 20 students will need to schedule two Experience missions.

Junior Missions

90 minutes (for grades 4 & up)

Attention, small groups! If you have 15 or fewer students, this mission is for you!

A junior mission is an interactive, hands-on simulated space mission, designed for groups of 15 or fewer, in which participants assume the roles and duties of the astronaut crew. Just like real astronauts, the crew will read and follow directions to successfully complete their mission.

Details for all missions can be found at kalamazoomuseum.org

Educator Workshops for Full-Crew Missions

To ensure a successful program, teachers are required to attend a scenario-specific, one-day workshop prior to their scheduled mission date (not required for Challenger Experience or Junior Missions). In addition to hands-on training, educators will receive a notebook containing classroom materials to use with students. If you have not previously attended a teacher workshop, please call the Museum to arrange a time for this training. There is a materials fee of \$30 per teacher.

Please call Kathy Godin at 269.373.7969 for available workshop dates and times.

Please note: Schools that arrive for a mission without a CLC-trained teacher in attendance will forfeit the full-crew experience and be offered mini-missions instead of the usual \$100 late-cancellation fee. Mini-missions last approximately 50-60 minutes, accommodate 15 students maximum, utilize only the spacecraft simulator, and require no Communications Team.

CLASSES & WORKSHOPS FOR STUDENTS

Designed for single classes; full descriptions online.
50 minutes in length:

THE FUR TRADE

(Grades 1-3)

PIONEER LIFE

(Grades 1-4)

WEATHER INSTRUMENTS

(Grades 4 & 5)

SENSE-ABILITY

(Grades 4-6)

NEWTON'S LAWS

(Grades 4-6)

ARCHAEOLOGY LAB

(Grades 5-8)

ANCIENT OBSERVATORIES

ARCHAEOASTRONOMY WORKSHOP

(Grades 5-8)



Fees for school programs

Demonstrations and exhibits: FREE

Planetarium: \$3/student or \$45 minimum fee, whichever is greater; one chaperone per 6 students attends free of charge.

Challenger Learning Center:

Full-Crew Missions: \$5/student, minimum number of students required depending upon grade/reading level and mission. Teacher workshop attendance required. Call Kathy Godin at 269.373.7969 for details.

Junior Missions: \$5/student or \$45 minimum fee, whichever is greater.

The Challenger Experience: \$3/student or \$45 minimum fee, whichever is greater.

Classes and Workshops for Students: All classes \$3/student or minimum \$45, whichever is greater.

Reservations

All group visits to the Museum require at least two weeks' advance notice. Please call the Group Reservation Coordinator, Elizabeth Barker, to arrange your visit: 269.373.7965, 800.772.3370, or email 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

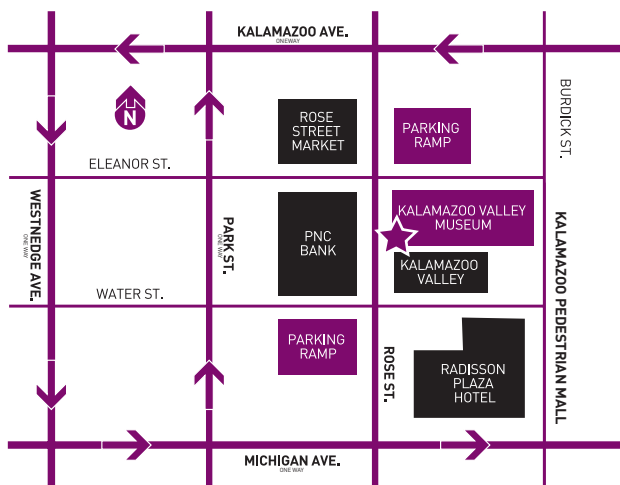
Challenger missions require one CLC-trained teacher per group. All other groups must bring one adult per six students. For fee-based programs, extra chaperones will be admitted to programs, space permitting, with regular fees charged per adult.

Location

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

Parking

Before your visit, make arrangements for buses with Central City Parking at 269.342.6383. Further information and directions to the Museum will be sent with your confirmation.



GENERAL INFO

Arranging a Visit to the Kalamazoo Valley Museum

Detailed information about all programs is available online at 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.

Free General Admission

Planetarium, Challenger Experience & Workshops: \$3/student, minimum charge \$45
 Challenger Learning Center Full-Crew Missions: \$5/student

Accessibility Services:

The Museum is handicapped accessible. Sign language interpreters may be scheduled for programs with a minimum of two weeks' notice. An assisted listening device is available in the planetarium.

Do Good, Have Fun!

Call 269.373.7955 to learn about the benefits of volunteering at the Kalamazoo Valley Museum.

Kalamazoo VALLEY Museum

230 North Rose Street
 Kalamazoo, MI 49007

269.373.7990
 800.772.3370

Visit us at
kalamazoomuseum.org
 f /KalamazooValleyMuseum
 @kalamazoomuseum

FREE GENERAL ADMISSION

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.–9 p.m.
 Sunday + Holidays 1 p.m.–5 p.m.
 (Closed Easter)

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



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