

Raven Hill Discovery Center

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FIELD TRIP ACTIVITY LIST

ART CONNECTIONS **ARTS & CRAFTS** **ASTRONOMY** **CHEMISTRY** **GEOLOGY** **LIFE SCIENCE** **MATHEMATICS**
MUSEUM **NATIVE AMERICAN** **PHYSICS** **PIONEER LIVING** **PROCESS SKILLS** **SURVIVAL** **TECHNOLOGY**

Enjoy the full benefits of fun and educational activities for *children* and *adults* in small group settings. Great for all ages. Choose from activities to fit your interests or put together custom hands-on lessons to meet classroom objectives, regardless of age. ALL ACTIVITIES are chosen to fit the ages, needs and interests of your classroom. Field trips are by appointment. Just call to book a day and time for you and your students. Special topics, not listed, can be easily accommodated.

Activities listed below are $3.00 each per student, in addition to the general admission price of $8.00, which covers the hands-on museum, animals and outdoor exhibits.

ART CONNECTIONS

Folded boxes
Make a box by measuring and folding

Paper Play
Biggest hole, how many folds, paper cups that work, etc.

ARTS & CRAFTS

Papermaking
Use pulp to make paper

Printmaking
Print & make note cards to take home

Marbled paper or fabric
Make beautiful, swirled paper or fabric using liquid density

Shibori
Use ancient Japanese technique to create a silk scarf by folding and applying dye

Glass mosaics, stained or fused glass
Connect science of elements & art of color (stained glass - middle or high school only)

Needle felting
Use a needle and colored wool to paint your design on a piece of felt

Hot glass beads
Work at a torch to make glass beads (one hour for middle and high school only)

Copper Planishing
Form and pound your own copper wire design

Pottery
Make a pinch pot to raku fire or make Egyptian paste beads to string

ASTRONOMY

Astrolabe
Make an instrument to measure the height of stars

Sundial
Make a sundial for telling time

Lost on the Moon
Problem solve surviving on the moon

Stomp Rockets
Make a rocket and launch it with and without fins

CHEMISTRY

Acids & Bases
Use indicators to test liquids

To The Rim
Solve a bubble problem

Density
Layer liquids of different densities

Periodic Table
Make your own with samples

GEOLOGY

Fossils
Polish a Petoskey coral or other fossil or start a collection

Beyond Jurassic Park
Explore the earth's geologic history with a chart and rocks to sequence by time periods



ART WORKS. | National Endowment for the Arts

michigan council for arts & cultural affairs

Raven Hill Discovery Center is proud to be the 2005 Crooked Tree Arts Center eddi Award recipient for Arts & Cultural Organizations

Raven Hill Discovery Center's programs & operations are supported in part by the Michigan Council for Arts and Cultural Affairs and the National Endowment for the Arts through a 2014 Operational Grant Award.

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Rocks
Learn the rock cycle and take home samples or start a collection

Building Houses
Make a house & add samples of all the things we use that come from the earth

Volcanoes
Draw, label and add samples of volcanic rocks

LIFE SCIENCE

Nature Walk
Learn useful plants

Pond Study
Study food chains — macro & micro with slime TV

Animals
Observe & hold snakes, spiders, etc.

Plants
Hands-on Photosynthesis

MATHEMATICS

Set
Practice identifying attributes to win the game

Twenty four
Try your hand at this game of skill—use adding, subtracting, multiplying & dividing

MUSEUM

Explore hands-on exhibits
Connect science, math, history and the arts

NATIVE AMERICAN

Jewelry
Make a necklace or bracelet to take home

Drums
Make & decorate a drum & drumstick

Games
Play the games native children played

Food
Grind flour & make fry bread

PHYSICS

Machines
Make models of some of the six simple ones

Magnets
Explore how they work & how they are used

Sound
Study vibrations & explore sounds

Light
Work with prisms, lenses, mirrors & colors

Lasers
Learn about lasers hands-on

Motion
Try your hand at "big wheels" or explore Newton's Laws of Motion

Motion
Wood Car Rally — problem solve distance

Gravity
Explore the laws of gravity

PIONEER LIVING

Pouches
Make a leather pouch for your valuables

Textiles
Weave on a loom, card wool, & try spinning

Folk Medicines
Learn about local plants for medicines

Food
Grind flour, make biscuits & butter

School
"Play" school with dress-up clothes, slates & books

Pioneer Toys
Play with several and make one to take home

Pioneer Games
Play old-fashioned games — single & group

PROCESS SKILLS

Classifying
Practice classifying or grouping items by their attributes

Comparing
Use terms like greater than and less than while having fun

Graphing
Do a science experiment and then share it in graph form

Measuring
Use odd objects to measure or try your skills at metric measuring

SURVIVAL

Fire building
Learn how to start a campfire & keep it going

Cooking
Find food or use "salvaged" food to cook with fire

Shelters
Choose a good site and build a shelter

TECHNOLOGY

Problem solving
How good are you at getting the facts right and solving the mystery

What meaning
Learn about mean, median, mode & range. See how to use numbers

Density
Learn how to figure density and then use it in science or in art

To the rim
Use measurements to solve a problem

CSI: Crime Scene Investigation
Are you a suspect? Compare your evidence to the crime scene

Pendulums
Compare swings with length or weight

Big wheels
Make a wheel & axle and measure distance

Call 231.536.3369 or email info@RavenHillDiscoveryCenter.org to register or for more information



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