

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 \$10.00 each per student, in addition to the general admission price of \$10.00, which covers the hands-on museum & animals, plus all outdoor exhibits.

ART CONNECTIONS	Shibori Use ancient Japanese technique to create a silk scarf by folding and applying dye 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) not available 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--pick up later 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
Folded boxes Make a box by measuring and folding Paper Play Biggest hole, how many folds, paper cups that work, etc.			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
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		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



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

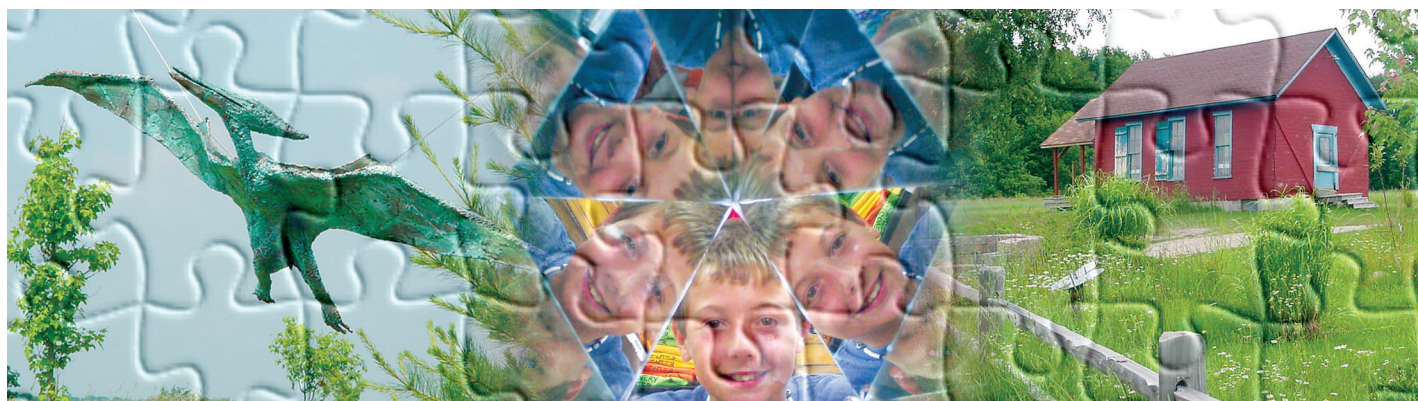
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Rocks <i>Learn the rock cycle and take home samples or start a collection</i>	NATIVE AMERICAN	PIONEER LIVING	SURVIVAL
Building Houses <i>Draw a house & add samples of all the things we use that come from the earth</i>	Jewelry <i>Make a necklace or bracelet to take home</i>	Pouches <i>Make a leather pouch for your valuables</i>	Fire building <i>Learn how to start a campfire & keep it going</i>
Volcanoes <i>Draw, label and add samples of volcanic rocks</i>	Drums <i>Make & decorate a drum & drumstick</i>	Textiles <i>Weave on a loom, card wool, & try spinning</i>	Cooking <i>Find food or use "salvaged" food to cook with fire</i>
LIFE SCIENCE	Games <i>Play the games native children played</i>	Folk Medicines <i>Learn about local plants for medicines</i>	Shelters <i>Choose a good site and build a shelter</i>
Nature Walk <i>Learn useful plants</i>	Food <i>Grind flour & make fry bread</i>	Food <i>Grind flour, make biscuits & butter</i>	TECHNOLOGY
Pond Study <i>Study food chains — macro & micro with slime TV</i>	PHYSICS	School <i>"Play" school with dress-up clothes, slates & books</i>	Problem solving <i>How good are you at getting the facts right and solving the mystery</i>
Animals <i>Observe & hold snakes, spiders, etc.</i>	Machines <i>Make models of some of the six simple machines</i>	Pioneer Toys <i>Play with several and make one to take home</i>	What meaning <i>Learn about mean, median, mode & range. See how to use numbers</i>
Plants <i>Hands-on Photosynthesis</i>	Magnets <i>Explore how they work & how they are used</i>	Pioneer Games <i>Play old-fashioned games — single & group</i>	Density <i>Learn how to figure density and then use it in science or in art</i>
MATHEMATICS	Sound <i>Study vibrations & explore sounds</i>	PROCESS SKILLS	To the rim <i>Use measurements to solve a problem</i>
Set <i>Practice identifying attributes to win the game</i>	Light <i>Work with prisms, lenses, mirrors & colors</i>	Classifying <i>Practice classifying or grouping items by their attributes</i>	CSI: Crime Scene Investigation <i>Are you a suspect? Compare your evidence to the crime scene</i>
Twenty four <i>Try your hand at this game of skill—use adding, subtracting, multiplying & dividing</i>	Lasers <i>Learn about lasers hands-on</i>	Comparing <i>Use terms like greater than and less than while having fun</i>	Pendulums <i>Compare swings with length or weight</i>
MUSEUM	Motion <i>Try your hand at "big wheels" or explore Newton's Laws of Motion</i>	Graphing <i>Do a science experiment and then share it in graph form</i>	Big wheels <i>Make a wheel & axle and measure distance</i>
Explore hands-on exhibits <i>Connect science, math, history and the arts</i>	Motion <i>Wood Car Rally — problem solve distance</i>	Measuring <i>Use odd objects to measure or try your skills at metric measuring</i>	
	Gravity <i>Explore the laws of gravity</i>		

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



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