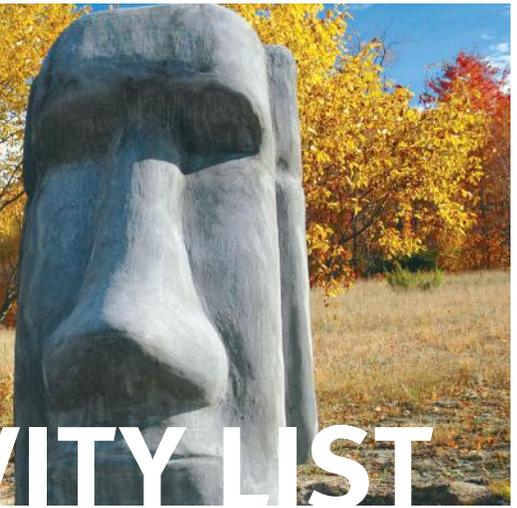


Raven Hill Discovery Center



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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.

ART CONNECTIONS	<p>Shibori <i>Use ancient Japanese technique to create a silk scarf by folding and applying dye</i></p> <p>Glass mosaics, stained or fused glass <i>Connect science of elements & art of color (stained glass - middle or high school only)</i></p>	<p>Pottery <i>Make a pinch pot to raku fire or make Egyptian paste beads to string</i></p>	CHEMISTRY
<p>Folded boxes <i>Make a box by measuring and folding</i></p> <p>Paper Play <i>Biggest hole, how many folds, paper cups that work, etc.</i></p>	<p>Needle felting <i>Use a needle and colored wool to paint your design on a piece of felt</i></p> <p>Hot glass beads <i>Work at a torch to make glass beads (one hour for middle and high school only)</i></p> <p>Copper Planishing <i>Form and pound your own copper wire design</i></p>	ASTRONOMY	<p>Acids & Bases <i>Use indicators to test liquids</i></p> <p>To The Rim <i>Solve a bubble problem</i></p> <p>Density <i>Layer liquids of different densities</i></p> <p>Periodic Table <i>Make your own with samples</i></p>
ARTS & CRAFTS		<p>Astrolabe <i>Make an instrument to measure the height of stars</i></p> <p>Sundial <i>Make a sundial for telling time</i></p> <p>Lost on the Moon <i>Problem solve surviving on the moon</i></p> <p>Stomp Rockets <i>Make a rocket and launch it with and without fins</i></p>	GEOLOGY
<p>Papermaking <i>Use pulp to make paper</i></p> <p>Printmaking <i>Print & make note cards to take home</i></p> <p>Marbled paper or fabric <i>Make beautiful, swirled paper or fabric using liquid density</i></p>			<p>Fossils <i>Polish a Petoskey coral or other fossil or start a collection</i></p> <p>Beyond Jurassic Park <i>Explore the earth's geologic history with a chart and rocks to sequence by time periods</i></p>



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

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

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



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