

# Raven Hill Discovery Center

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## CLASS LIST 2024

ARTS & CRAFTS ASTRONOMY CHEMISTRY GEOLOGY HISTORY LIFE SCIENCE PHYSICS SURVIVAL

Enjoy the full benefits of fun and educational activities for *children* and *adults*. Great for all ages. Choose from activities to fit your interests or put together a custom hands-on class or classes to meet individual needs, regardless of age. ALL CLASSES are chosen to fit the ages and interests of individual class participants. All classes are by appointment. Just call to book a day and time for you and your friends or your children. SUMMER CLASS TIMES are typically Monday through Friday in the morning from 10 am to 12 pm and in the afternoon from 12:30 pm to 2:30 pm. Or call ahead to schedule your favorite *kid* or *adult* classes and set your own day and time! **All classes are small groups.**

ARTS & CRAFTS		Drawing	Glass	Metal
<b>Art to Wear</b> Make and decorate a leather bracelet to wear Cost: \$15	<b>Felting</b> "Paint" with wool to wet-felt a wall hanging Cost: \$20	<b>Glass</b> Make a 4-square introductory stained glass piece, using the copper foil method — <b>must be 8 or older</b> Not available	<b>Metal</b> Experience metal soldering using a torch — <b>must be 15 or older</b> Not available	
<b>Art to Wear</b> Decorate a baseball hat with your favorite colors and designs Cost: \$15	<b>Felting</b> Use a sharp felting needle to create a felted pin and then add beads to match Cost: \$15	<b>Glass</b> Learn how to slump glass and create a hanging sun-catcher for your window Cost: \$20	<b>Metal</b> Pound or planish a copper bowl from a 6" flat copper disc — <b>must be 12 or older</b> Cost: \$50	
<b>Art to Wear</b> Embellish a T-shirt to wear, using permanent markers, fabric pens, buttons & bows Cost: \$20	<b>Felting</b> Use wet felting to design and create your own snake Cost: \$20	<b>Glass</b> Make a 6" x 6" stained glass ornament to hang in your window — intermediate project, after 4-square Not available	<b>Metal</b> Saw, file, drill and polish a 1" piece of sterling silver for a pendant — <b>must be 15 or older</b> Cost: \$50	
<b>Basketry</b> Start with natural materials and make a small (3-4") splint and reed basket — <b>must be 12 or older</b> Cost: \$20	<b>Felting</b> Use a needle and colored wool to "paint" your design on a piece of felt Cost: \$20	<b>Jewelry</b> Use a pattern and make earrings to take home Cost: \$15	<b>Metal</b> Use a special Precious Metal Clay with silver in it to make a pendant to take home — takes 1 hour to fire Cost: \$50	
<b>Batik</b> Use the French Serti method of resist to draw and dye a handkerchief to take home Cost: \$15	<b>Fiber Design</b> Weave off-loom, card wool, & try spinning with a drop spindle Cost: \$20	<b>Jewelry</b> Use beads and decorate a bookmark or key chain to keep or give as a gift Cost: \$15	<b>Metal</b> Work at a forge and blacksmith a simple hook from hot iron — <b>must pre-register &amp; be 15 or older</b> Cost: \$60 with advance notice	
<b>Batik</b> Use the French Serti method of resist to draw and dye an 8" x 54" to take home Cost: \$25	<b>Fiber Design</b> Create your design by floating paint on a thick "size" and then laying a bandana on the paint Cost: \$50	<b>Jewelry</b> Use a pattern and make a bracelet to take home Cost: \$15	<b>Paper</b> Use pulp to make paper Cost: \$15	
<b>Clay</b> Make 10 Egyptian paste beads to string — make some & take others or have fired ones sent Cost: \$15	<b>Glass</b> Create a small fused glass pendant or ornament with colored glass — <b>must pick up or arrange mailing</b> Cost: \$5 ea	<b>Jewelry</b> Use a pattern and make a necklace to take home Cost: \$25	<b>Paper</b> Create beautiful, swirled paper using liquid density Cost: \$15	
<b>Clay</b> Use modern sculpting clay to make an African Spirit Mask & "fire" in oven Cost: \$15	<b>Glass</b> Make a small glass mosaic ornament & connect the science & art — no soldering Not available	<b>Metal</b> Pound (planish) a copper pendant, then polish & finish with beads & leather thong Cost: \$20	<b>Paper</b> Make nested paper origami boxes by measuring and folding — <b>must be 10 or older</b> Cost: \$15	
<b>Clay</b> Hand build 4 or 5 small clay pieces for firing — <b>must schedule a second class for firing</b> Cost: \$20 for each class		<b>Metal</b> Pound or planish a copper bowl from a 3" flat copper disc — <b>must be 10 or older</b> Not available	<b>Printmaking</b> Print & make note cards to take home Cost: \$15	
			<b>Shibori</b> Use ancient Japanese technique to create silk handkerchief by folding & applying dye Cost: \$15	



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 2024 Operational Grant Award.



<p><b>Shibori</b> Use ancient Japanese technique to create a silk scarf by folding &amp; applying dye — 8" x 54" Cost: \$35</p> <p><b>Shibori</b> Use ancient Japanese technique to create silk scarf by folding &amp; applying dye — 35"x35" Cost: \$45</p> <p><b>Wood</b> Use wood burning to decorate a trivet, piece of driftwood, or walking stick — <b>must be 10 or older</b> Cost: \$20</p>	<p style="text-align: center;"><b>GEOLOGY</b></p> <p><b>Fossils</b> Make your own mini-dinosaur out of sculpting clay Cost: \$15</p> <p><b>Fossils</b> Polish a Petoskey coral or other fossil Cost: \$15</p> <p><b>Jurassic Park</b> Explore the earth's geologic history with a chart and rocks to sequence by time periods Cost: \$15</p> <p><b>Rocks</b> Learn the rock cycle and take home samples Cost: \$15</p> <p><b>Volcanoes</b> Draw, label and add samples of volcanic rocks Cost: \$15</p> <p><b>Your House</b> Draw a house &amp; add samples of all the things we use that come from the earth Cost: \$15</p>	<p><b>Medieval Period</b> Build a 2-D castle out of foam rocks that will hang on your wall Cost: \$20</p> <p><b>Pioneer Dyes</b> Make up a natural dye or two and use it on a patch for your jacket Cost: \$20</p> <p><b>Pioneer Foods</b> Grind flour, make biscuits &amp; butter Cost: \$20</p> <p><b>Pioneer Pouches</b> Make a leather pouch for your valuables Cost: \$15</p> <p><b>Pioneer School</b> "Play" school with dress-up clothes, slates &amp; books Cost: \$15</p> <p><b>Pioneer Toys</b> Play with several and make a "ball in the cup" toy to take home Cost: \$15</p> <p><b>Spirit Masks</b> Use sculpting clay to make a miniature African spirit mask pendant Cost: \$15</p>	<p style="text-align: center;"><b>PHYSICS</b></p> <p><b>Gravity</b> Explore the laws of gravity and make a kit to take home to impress your family &amp; friends Cost: \$15</p> <p><b>Lasers</b> Learn about lasers hands-on Cost: \$20</p> <p><b>Light</b> Work with prisms, lenses, mirrors &amp; colors Cost: \$15</p> <p><b>Light</b> Construct a simple kaleidoscope to take home Cost: \$20</p> <p><b>Machines</b> Make paper models of the six simple machines - must be 10 or older Cost: \$20</p> <p><b>Magnets</b> Explore how they work &amp; how they are used, plus safety Cost: \$15</p> <p><b>Motion</b> Try your hand at "big wheels" Cost: \$15</p> <p><b>Motion</b> Wood Car Rally—problem-solve and have fun with distance "races" Cost: \$15</p> <p><b>Motion</b> Explore Newton's Laws of Motion and take home a demo kit to show others Cost: \$15</p> <p><b>Sound</b> Study vibrations &amp; explore sounds Cost: \$15</p>
<p style="text-align: center;"><b>ASTRONOMY</b></p> <p><b>Astrolabe</b> Make an instrument to measure the height of stars Cost: \$15</p> <p><b>Lost on Moon</b> Problem solve surviving a crash landing on the moon and enjoy astronaut ice cream Cost: \$15</p> <p><b>Stomp Rockets</b> Build a rocket and launch it with and without fins Cost: \$15</p> <p><b>Sundial</b> Make a sundial for telling time Cost: \$15</p>	<p style="text-align: center;"><b>HISTORY</b></p>	<p style="text-align: center;"><b>LIFE SCIENCE</b></p>	<p style="text-align: center;"><b>SURVIVAL</b></p> <p><b>Cooking</b> Find food or use "salvaged" food to cook with fire Cost: \$15</p> <p><b>Fire Building</b> Learn how to start a campfire &amp; keep it going Cost: \$15</p> <p><b>Shelters</b> Choose a good site and build a shelter Cost: \$15</p>
<p style="text-align: center;"><b>CHEMISTRY</b></p> <p><b>Acids &amp; Bases</b> Use indicators to test liquids Cost: \$15</p> <p><b>CSI</b> Are you a suspect? Compare your evidence to the crime scene Cost: \$15</p> <p><b>Density</b> Layer liquids of different densities Cost: \$15</p> <p><b>Periodic Table</b> Make your own with samples Cost: \$15</p> <p><b>Science Magic</b> Use science to perform "magic" that will entertain your family and friends Cost: \$15</p> <p><b>To The Rim</b> Solve a bubble problem Cost: \$15</p>	<p><b>American</b> Make dishes for your doll and have an old-fashioned tea party Cost: \$25</p> <p><b>Drums</b> Make &amp; decorate a drum &amp; drumstick Cost: \$15</p> <p><b>Egypt</b> Make a clay-straw brick to take home Cost: \$15</p> <p><b>Folk Medicines</b> Learn about local plants for medicines Not available</p> <p><b>Foods</b> Grind flour &amp; make fry bread like the Native Americans Cost: \$20</p> <p><b>Jewelry</b> Make a necklace like the Native Americans Cost: \$20</p> <p><b>Medieval Period</b> Create your own family shield Cost: \$15</p>	<p><b>Animals</b> Be a zoologist for a day: help clean, feed, observe &amp; hold snakes, spiders, etc. Cost: \$20</p> <p><b>Animals</b> Go on a "scavenger hunt" for Michigan animals Cost: \$15</p> <p><b>Animals</b> Spend time at the pond, catching, observing and releasing frogs and toads Cost: \$15</p> <p><b>Nature Walk</b> Learn about useful plants Cost: \$15 and seasonal</p> <p><b>Plants</b> Hands-on Photosynthesis Cost: \$15</p> <p><b>Pond Study</b> Study food chains — macro &amp; micro with microscope work Cost: \$15</p>	

Call 231.536.3369 or email [info@miravenhill.org](mailto:info@miravenhill.org) to register or for more information



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