

Raven Hill Discovery Center

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CLASS LIST 2022

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
Art to Wear Make and decorate a leather bracelet to wear Cost: \$15	Use circles, dots, and lines to decorate paper for note cards Cost: \$15	Glass Make a 4-square introductory stained glass piece, using the copper foil method — must be 8 or older Not available	Metal Experience metal soldering using a torch — must be 15 or older Not available
Art to Wear Decorate a baseball hat with your favorite colors and designs Cost: \$15	Felting "Paint" with wool to wet-felt a wall hanging Cost: \$20	Glass Learn how to slump glass and create a hanging sun-catcher for your window Cost: \$20	Metal Pound or planish a copper bowl from a 6" flat copper disc — must be 12 or older Cost: \$50
Art to Wear Embellish a T-shirt to wear, using permanent markers, fabric pens, buttons & bows Cost: \$20	Felting Use a sharp felting needle to create a felted pin and then add beads to match Cost: \$15	Glass Make a 6" x 6" stained glass ornament to hang in your window — intermediate project, after 4-square Not available	Metal Saw, file, drill and polish a 1" piece of sterling silver for a pendant — must be 15 or older Cost: \$50
Basketry Start with natural materials and make a small (3-4") splint and reed basket — must be 12 or older Cost: \$20	Felting Use wet felting to design and create your own snake Cost: \$20	Jewelry Use a pattern and make earrings to take home Cost: \$15	Metal Use a special Precious Metal Clay with silver in it to make a pendant to take home — takes 1 hour to fire Cost: \$50
Batik Use the French Serti method of resist to draw and dye a handkerchief to take home Cost: \$15	Felting Use a needle and colored wool to "paint" your design on a piece of felt Cost: \$20	Jewelry Use beads and decorate a bookmark or key chain to keep or give as a gift Cost: \$15	Metal Work at a forge and blacksmith a simple hook from hot iron — must pre-register & be 15 or older Cost: \$60 with advance notice
Batik Use the French Serti method of resist to draw and dye an 8" x 54" to take home Cost: \$25	Felting Make a pouch using wet felting techniques Cost: \$40	Jewelry Use a pattern and make a bracelet to take home Cost: \$15	Paper Use pulp to make paper Cost: \$15
Clay Make 10 Egyptian paste beads to string — make some & take others or have fired ones sent Cost: \$15	Fiber Design Weave off-loom, card wool, & try spinning with a drop spindle Cost: \$20	Jewelry Use a pattern and make a necklace to take home Cost: \$25	Paper Create beautiful, swirled paper using liquid density Cost: \$15
Clay Use modern sculpting clay to make an African Spirit Mask & "fire" in oven Cost: \$15	Fiber Design Create your design by floating paint on a thick "size" and then laying a bandana on the paint Cost: \$50	Jewelry Use a pattern and make a necklace to take home Cost: \$25	Paper Make nested paper origami boxes by measuring and folding — must be 10 or older Cost: \$15
Clay Hand build 4 or 5 small clay pieces for firing — must schedule a second class for firing Cost: \$20 for each class	Glass Create a small fused glass pendant or ornament with colored glass — must pick up or arrange mailing Cost: \$5 ea	Metal Pound (planish) a copper pendant, then polish & finish with beads & leather thong Cost: \$20	Printmaking Print & make note cards to take home Cost: \$15
	Glass Make a small glass mosaic ornament & connect the science & art — no soldering Not available	Metal Pound or planish a copper bowl from a 3" flat copper disc — must be 10 or older Not available	Shibori 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 2022 Operational Grant Award.



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

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



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