

Raven Hill Discovery Center

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CLASS LIST

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!

| ARTS & CRAFTS | | | |
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| Art to Wear <i>Make and decorate a leather bracelet to wear</i> Cost: \$6 | Drawing <i>Use circles, dots, and lines to decorate paper for note cards</i> Cost: \$6 | Glass <i>Make a 4-square introductory stained glass piece, using the copper foil method — must be 8 or older</i> Cost: \$11 | Metal <i>Experience metal welding using a torch — must be 15 or older</i> Cost: \$21 |
| Art to Wear <i>Decorate a baseball hat with your favorite colors and designs</i> Cost: \$11 | Felting <i>"Paint" with wool to wet-felt a wall hanging</i> Cost: \$11 | Glass <i>Work at a torch to make glass beads (per hour) — must be 10 or older</i> Cost: \$16 | Metal <i>Pound or planish a copper bowl from a 6" flat copper disc — must be 12 or older</i> Cost: \$21 |
| Art to Wear <i>Embellish a T-shirt to wear, using permanent markers, fabric pens, buttons & bows</i> Cost: \$16 | Felting <i>Use a sharp felting needle to create a felted pin and then add beads to match</i> Cost: \$11 | Glass <i>Make a 6" x 6" stained glass ornament to hang in your window — intermediate project, after 4-square</i> Cost: \$21 | Metal <i>Saw, file, drill and polish a 1" piece of sterling silver for a pendant — must be 15 or older</i> Cost: \$21 |
| Basketry <i>Start with natural materials and make a small (3-4") splint and reed basket — must be 12 or older</i> Cost: \$16 | Felting <i>Use wet felting to design and create your own snake</i> Cost: \$11 | Jewelry <i>Use a pattern and make earrings to take home</i> Cost: \$6 | Metal <i>Use a special Precious Metal Clay with silver in it to make a pendant to take home — takes 1 hour to fire</i> Cost: \$21 |
| Batik <i>Use the French Serti method of resist to draw and dye a handkerchief to take home</i> Cost: \$11 | Felting <i>Use a needle and colored wool to "paint" your design on a piece of felt</i> Cost: \$11 | Jewelry <i>Use beads and decorate a bookmark or key chain to keep or give as a gift</i> Cost: \$6 | Metal <i>Work at a forge and blacksmith a simple hook from hot iron — must pre-register & be 15 or older</i> Cost: \$51 |
| Batik <i>Use the French Serti method of resist to draw and dye an 8" x 54" to take home</i> Cost: \$21 | Fiber Design <i>Weave off-loom, card wool, & try spinning with a drop spindle</i> Cost: \$11 | Jewelry <i>Use a pattern and make a bracelet to take home</i> Cost: \$11 | Paper <i>Use pulp to make paper</i> Cost: \$6 |
| Clay <i>Make 10 Egyptian paste beads to string — make some & take others or have fired ones sent</i> Cost: \$11 | Fiber Design <i>Create your design by floating paint on a thick "size" and then laying a bandana on the paint</i> Cost: \$21 | Jewelry <i>Use a pattern and make a necklace to take home</i> Cost: \$16 | Paper <i>Create beautiful, swirled paper using liquid density</i> Cost: \$11 |
| Clay <i>Use modern African sculpting clay to make an African Spirit Mask & "fire" in oven</i> Cost: \$11 | Glass <i>Create a small fused glass pendant or ornament with colored glass — must pick up or arrange mailing</i> Cost: \$4 ea | Metal <i>Pound (planish) a copper pendant, then polish & finish with beads & leather thong</i> Cost: \$11 | Paper <i>Make nested paper origami boxes by measuring and folding — must be 10 or older</i> Cost: \$11 |
| Clay <i>Hand build 4 or 5 small clay pieces for firing — must schedule a second class for firing</i> Cost: \$16 | Glass <i>Make a small glass mosaic ornament & connect the science & art — no soldering</i> Cost: \$6 | Metal <i>Pound or planish a copper bowl from a 3" flat copper disc — must be 10 or older</i> Cost: \$16 | Printmaking <i>Print & make note cards to take home</i> Cost: \$6 |
| | | | Shibori <i>Use ancient Japanese technique to create silk handkerchief by folding & applying dye</i> Cost: \$11 |



National
Endowment
for the Arts

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 2015 Operational Grant Award.



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| Shibori <i>Use ancient Japanese technique to create a silk scarf by folding & applying dye — 8" x 54"</i> Cost: \$21 | GEOLOGY Fossils <i>Make your own mini-dinosaur out of sculpting clay</i> Cost: \$11 | Medieval Period <i>Build a 2-D castle out of foam rocks that will hang on your wall</i> Cost: \$16 | PHYSICS Gravity <i>Explore the laws of gravity and make a kit to take home to impress your family & friends</i> Cost: \$11 |
| Shibori <i>Use ancient Japanese technique to create silk scarf by folding & applying dye — 35" square</i> Cost: \$31 | Fossils <i>Polish a Petoskey coral or other fossil</i> Cost: \$11 | Pioneer Dyes <i>Make up a natural dye or two and use it on a patch for your jacket</i> Cost: \$16 | Lasers <i>Learn about lasers hands-on</i> Cost: \$16 |
| Wood <i>Use wood burning to decorate a trivet, piece of driftwood, or walking stick — must be 10 or older</i> Cost: \$11 | Jurassic Park <i>Explore the earth's geologic history with a chart and rocks to sequence by time periods</i> Cost: \$11 | Pioneer Foods <i>Grind flour, make biscuits & butter</i> Cost: \$16 | Light <i>Work with prisms, lenses, mirrors & colors</i> Cost: \$11 |
| ASTRONOMY Astrolabe <i>Make an instrument to measure the height of stars</i> Cost: \$6 | Rocks <i>Learn the rock cycle and take home samples</i> Cost: \$11 | Pioneer Pouches <i>Make a leather pouch for your valuables</i> Cost: \$11 | Light <i>Construct a simple kaleidoscope to take home</i> Cost: \$16 |
| Lost on Moon <i>Problem solve surviving a crash landing on the moon and enjoy astronaut ice cream</i> Cost: \$11 | Volcanoes <i>Draw, label and add samples of volcanic rocks</i> Cost: \$11 | Pioneer School <i>"Play" school with dress-up clothes, slates & books</i> Cost: \$6 | Machines <i>Make paper models of the six simple machines - must be 10 or older</i> Cost: \$16 |
| Stomp Rockets <i>Build a rocket and launch it with and without fins</i> Cost: \$11 | Your House <i>Make a house & add samples of all the things we use that come from the earth</i> Cost: \$11 | Pioneer Toys <i>Play with several and make a "ball in the cup" toy to take home</i> Cost: \$6 | Magnets <i>Explore how they work & how they are used, plus safety</i> Cost: \$11 |
| Sundial <i>Make a sundial for telling time</i> Cost: \$6 | HISTORY American <i>Make dishes for your doll and have an old-fashioned tea party</i> Cost: \$16 | Spirit Masks <i>Use sculpting clay to make a miniature African spirit mask pendant</i> Cost: \$11 | Motion <i>Try your hand at "big wheels"</i> Cost: \$6 |
| CHEMISTRY Acids & Bases <i>Use indicators to test liquids</i> Cost: \$11 | Drums <i>Make & decorate a drum & drumstick</i> Cost: \$11 | LIFE SCIENCE Animals <i>Be a zoologist for a day: help clean, feed, observe & hold snakes, spiders, etc.</i> Cost: \$6 | Motion <i>Wood Car Rally—problem-solve and have fun with distance "races"</i> Cost: \$6 |
| CSI <i>Are you a suspect? Compare your evidence to the crime scene</i> Cost: \$11 | Egypt <i>Make a clay-straw brick to take home</i> Cost: \$11 | Animals <i>Go on a "scavenger hunt" for Michigan animals</i> Cost: \$11 | Motion <i>Explore Newton's Laws of Motion and take home a demo kit to show others</i> Cost: \$11 |
| Density <i>Layer liquids of different densities</i> Cost: \$11 | Folk Medicines <i>Learn about local plants for medicines</i> Cost: \$11 | Animals <i>Spend time at the pond, catching, observing and releasing frogs and toads</i> Cost: \$11 | Sound <i>Study vibrations & explore sounds</i> Cost: \$6 |
| Periodic Table <i>Make your own with samples</i> Cost: \$11 | Foods <i>Grind flour & make fry bread like the Native Americans</i> Cost: \$16 | Nature Walk <i>Learn about useful plants</i> Cost: \$11 | SURVIVAL Cooking <i>Find food or use "salvaged" food to cook with fire</i> Cost: \$11 |
| Science Magic <i>Use science to perform "magic" that will entertain your family and friends</i> Cost: \$16 | Jewelry <i>Make a necklace like the Native Americans</i> Cost: \$11 | Plants <i>Hands-on Photosynthesis</i> Cost: \$11 | Fire Building <i>Learn how to start a campfire & keep it going</i> Cost: \$11 |
| To The Rim <i>Solve a bubble problem</i> Cost: \$11 | Medieval Period <i>Create your own family shield</i> Cost: \$11 | Pond Study <i>Study food chains — macro & micro with slime TV</i> Cost: \$16 | Shelters <i>Choose a good site and build a shelter</i> Cost: \$11 |

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