

**Traditional Flintknapping:** Kit Fee \$35 *Returning Students \$15*

The class will focus on replicating tools made by Stone Age cultures. Students will learn a history of flintknapping and to work flint with percussion and pressure flaking techniques. Projects may include arrowheads, knives, and survival tools. Students are encouraged to bring any flintknapping tools or knappable (conchoidal fracturing) rock they have to supplement class materials. Leather gloves recommended. Safety goggles will be provided. Kit fee (\$35) will cover a basic flintknapping tool kit and several pounds of knapping material; you may purchase advanced tools and extra knapping stone from the instructor. All students must wear long pants and closed toed shoes or boots while flintknapping.

The class is held outdoors weather permitting.

Michael has been teaching flintknapping for over 15 years; he has taught at Wildacres Retreat, runs FlintKnappers.com, and works as an archaeologist. His knapped replicas can be found in private and public collections in all 50 states and around the world.

**Lapidary Flintknapping** Kit Fee New Student \$30 *Returning Students \$15*

The class will focus on making stone tools from slabs of obsidian. Students will learn a history of flintknapping and to work obsidian with the genie machine to shape it and pressure flaking techniques to finish the work. Projects will include arrowheads and knives. Students are encouraged to bring any flintknapping tools or knappable (conchoidal fracturing) slabs they have to supplement class materials. Leather gloves and safety goggles recommended. Kit fee (\$30) will cover a basic lapidary flintknapping tool kit and several obsidian slabs cut into triangular shapes; you may purchase advanced tools and extra knapping stone from the instructor. All students must wear long pants and closed toed shoes or boots while flintknapping.

**Experience level:** Prerequisite cabochon making

**Stained Glass** Kit fee required \$40

Kit fee gets student glass and supplies enough to make 2 projects: I – Mosaic on glass, II – Tiffany style using copper foil. Students are asked to bring drawing paper and supplies to create your design template, along with any personal glass or items you wish to incorporate into the design. A fair selection of colored art glass will be provided as part of the kit, additional glass will be available for purchase.

**Simple Wire Wraps for Cabochons** Kit fee required \$60

Students will learn how to do simple wraps on Cabochons they have created in lapidary class. I will supply all the wire and teach you how to wrap your cabochons, and I will have cabochons available.

**Tree of Life Pendants** Kit fee required \$60

In this 6 hour workshop you will learn how to make beautiful Tree of Life pendants out of copper wire, cabochons and seed beads. You will make several different types of pendants, some will be framed, and some will not. You will start with the basics and then work your way to more complicated styles.

**Wire Wrapped Bracelets** Kit fee required \$50

In this 6 hour class, you will learn to make different kinds of bracelets from copper wire, with beads incorporated into some of them. Students will go home with 2 finished bracelets, and with enough wire and beads to finish 2 more at home.

**Acid Etched Copper Earrings** Kit fee required \$65

We will make 4 pairs of earrings per student and learn 2 different techniques for applying the designs to the earrings. We will etch the earrings and then learn the different coloring techniques, and finishing techniques. Students will go home with 4 beautiful finished pairs of earrings

**Viking Knit & Chaos Wrap Pendant** Kit fee required, see schedule for cost

In this class you learn how to do Viking Knit chain, using copper wire. This technique for making metal chain jewelry dates back to at least the ninth century. In this class you will learn to do the knit, how to finish the ends, and how to make a clasp to complete your necklace. Then you will make a beautiful Chaos Wrap pendant to complete your necklace

**Chain Maille Jewelry (Solderless Chain Making)** Kit fee required, see schedule for cost

This class is designed for the beginner to learn the basics of making chains with unsoldered jump rings. Students will be shown how to take raw wire to finished jewelry. You will be shown how to select the wire gauge and jump ring size, coil and cut jump rings, weave the chain patterns, polish and complete the jewelry item. Byzantine, Box Chain, Helm Chain and other chain weaves will be taught. It is recommended that you bring your Optivisor or other magnifier to use in class, as these are not provided. The school will provide all other loaner tools. Copper wire will be used for the various projects. If you wish to use sterling or other wire you will need to bring it with you

**Lapidary** Supplies \$5 and up

Lapidary is the art of cutting and polishing stones. The student will learn how to cut gemstones, using specialty saw and grinders to shape the gemstone into cabochons (cabs) that can be set into commercial jewelry, or can be used in wire wrapping or silversmithing projects. Students will be provided with their first slab (a slice of agate or jasper). Student may bring their own gemstone and instructors will have other slabs and gemstones available for the student to purchase. Day and night classes are 2- 3 hours long, offered each week for the 3 month quarter. You should cut a number of

gemstones during the quarter. Your instructor will help you learn what to look for in gemstones and how best to orient them into a beautiful design.

**Faceting** Supplies \$10 and up

Faceting is the art of cutting gem stones to look like diamonds, so that it gathers light and then sends it back to the viewer. You will learn to use a faceting machine. The beginning student will learn the basics and use simple material and design to cut their first stone. During this process you will learn the proper use of the faceting machine, how to read a facet diagram, and various tricks of the trade. These techniques can then be used by the student to cut semi-precious and precious gem stones.

**Silver Jewelry or Silver Fabrication** Supplies \$50 and up (Depending on the price of silver)

In this class you will learn the art of silversmithing or fabricating silver into beautiful jewelry. Using an acetylene gas torch you will learn the fine art of soldering, and basic jewelry design. For new silversmiths you will learn the basics which include the proper way to handle a torch, how to use various hand tools and basic jewelry design. For the more advanced or retuning students you will learn new techniques and have the ability to complete your own designs and projects. Instructors will have silver and other materials available for students to purchase. Each instructor will teach his or her methods and designs. As you advance you will be given the option to advance to more challenging projects. You may purchase gemstones and/or silver from the instructor or bring your own, except where the instructor teaches different projects in class.

**The class(es) below are not currently on the 2017 Fall Schedule, but may be added as a POP UP Class (a single, one session class). Be watching us on Facebook, they will be announced there first.**

**Quarter Ring Workshops** Bring your own quarter

In this workshop you will learn to use a torch, hammers and steel ring mandrel to make a ring out of a quarter. Any quarter will work, even the new quarters, to learn the techniques. If you have an older silver quarter, you can practice on a new quarter then make a silver one. You should be able to make several rings in the class.

**Repurposed Jewelry Workshop**

This is a class, where students can bring old jewelry and other items, such as buttons, tags, washers, bottle caps, just to name a few, that can be made new into jewelry. Copper and brass wire will be available for purchase. This is great chance to make creative jewelry from parts you already have.

So bring a bag full of parts with you and have fun making jewelry!!!

**Delft Clay Casting** Kit fee \$20 for brass (and up depending on your purchase/use of any silver)

2017 Fall  
MTGMS Class Descriptions

Delft Clay Casting is form of sand casting using moldable clay in to which one can easily press a model. It was developed for silver and goldsmiths and is also used in making models. Using this method, it is possible to mould from a model and cast jewelry and other objects in silver, gold and other metals. We'll be starting with brass. Learning Delft Clay casting will give you the ability to duplicate an item in gold, silver, or brass. So, what do you do now with your bits of sheet, wire & accidental pieces? Now, almost anyone doing fabrication can add this casting to their skills. You'll learn what can and cannot be duplicated and why. You'll open new doors to your design creativity for your one-of pieces. This is a new tool in your box to expand your capability and versatility. It's not a tool to mass produce though. You will make finished pieces in sterling silver and brass. Bring small objects to class with you that when cast, you would use in a jewelry piece. Items should be approximately 1 inch or less. Bring more than one as some items cannot be used as model. Buttons make very good starting items.