**Semester(s) offered:   Fall      Spring**

**Berrien Springs Parent Partnership**

**Project Based Learning Course Description**

**Course Title: Blacksmithing 1**

**Ages: 11 and up In-Person**

**Category: S18 Historical Arts and Technology, F18 or S19 Humanities: Reenactment Arts**

**Class size: Min: 2 per group Max: 4 per group ( no max class sign-up )**

**Required Hours: 16 Total possible hours: 16**

**Location: Guimond Metal Art Studio**

**Address: 04160 County Road 689**

 **South Haven, MI 49090**

**­­­­­­­­­Phone: 269-767-4600**

**Email:** **tguimond@comcast.net**

**Feel free to call, text, or email with any questions.**

**Instructor: Ted Guimond, returning instructor**

* **Bachelor and Master of Education from GVSU, Emphasis: Technology In Education**
* **Elementary /middle school teacher 32 years in Saugatuck system**
* **Blacksmithing professionally since 2004**

**Classes are graded on a Pass/Fail basis.**

**Criteria for passing the class:**

**1) Student agrees to attend at least 80% of class sessions/lessons offered. Attendance is kept online and tracked by Partnership staff. Failure to meet 80% or be on track to meet 80% may result in program discontinuation.**

**2) The Partnership Student Assessment or Performance Form is filled out by the teacher and turned in to Partnership staff. The link to this form is found on the web page for this class. Failing marks for lack of participation, behavior issues, practice time, etc. may result in program discontinuation.**

**Blacksmithing 1 is an introduction to the art of blacksmithing. Students will learn the basics of working with a forge, anvil, hand forging, decorative twists, and use of special tools. Students will begin with simple projects such as nails, kabob skewers, “S” hooks, coat hooks, and letter openers. More complex projects are possible depending on a student’s ability. Students who have previously taken this class will be moved into Blacksmithing 2 or offered alternative projects to replace the ones listed.**

**STUDENTS SHOULD ALWAYS WEAR:**

* **closed toe shoes (preferably leather)**
* **natural fiber clothing (100% cotton, flax, bamboo, silk, or hemp shirt and pants).**
* **long hair tied back**
* **no jewelry**
* **gloves are optional**

**STUDENTS SHOULD BRING TO CLASS:**

* **Personal eye protection: safety glasses or goggles.**
* **Personal hearing protection: ear plugs or sound reducing head gear.**
* **Pencil and notebook**
* **Personal water**
* **Personal snacks**

**Weekly breakdown of instruction:** There will be eight two hour sessions. Classes will involve discussion of shop safety, forging demonstration(s) by the instructor, and student creation of hand forged items. Frequent water breaks are suggested. A 10 min break will be taken half way through the class for drinks and snacks.

Tentative schedule and projects:

**Week 1:** Discuss shop safety. Practice “drawing a taper” by forging “kabob skewers”.

**Week 2:** Review shop safety. Forge one or more square nails and turn one into a key fob.

**Week 3:** Forge an “S” hook from square stock, add decorative twist and end finial.

**Week 4:** Forge twisted candle holder. (also known as a “courting candle”)

**Week 5:** Forge “letter opener” with handle twist and hook final decorative elements.

**Week 6:** Forge a “coat hook” with a leaf motif decorative element.

**Week 7:** Begin forging and fabricating an “Iron Puzzle”.

**Week 8:** Finish the “Iron Puzzle”.

Schedule and projects will be adjusted depending on student skills and needs.

**Note to parents:**

All parents are welcome to stay during the class, but at least one parent from the class **must** stay to provide “two deep leadership” and security.