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

**Berrien Springs Parent Partnership**

**Project Based Learning Course Description**

**Course Title: Blacksmithing 2 Prerequisite: Blacksmithing 1 or permission from instructor.**

**Ages: 12 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.**

**Course Description:**

This class is designed for the blacksmithing student who has taken Blacksmithing 1, or has some forging experience and is at least 12 years old. Projects will build on the skills taught in **Blacksmithing I**. Greater emphasis will be placed on design elements and more complex projects. The projects include, but are not limited to making a pair of blacksmith tongs, candle holder, towel bar, tool making, and heat treating. The students will use gas forges and various blacksmith related tools while learning and practicing the blacksmithing skills of hand forging. Students who have previously taken this class and want to repeat it will be offered alternative projects to replace the ones they have already completed.

**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**

CLASS SYLLABUS

BLACKSMITHING 2

TED GUIMOND: INSTRUCTOR

**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.

**Week 1:** Discuss shop safety. Forge and heat treat a center punch.

**Week 2:** Review shop safety. Begin to forge a pair of blacksmith tongs.

**Week 3:** Review shop safety. Finish blacksmith tongs.

**Week 4:** Forge a candle holder. (this is a different style than the one for Blacksmithing 1)

**Week 5:** Forge a “Heart Trivet”

**Week 6:** Forge a towel bar that incorporates hammered texture and leaf motif decorative elements.

**Week 7:** Begin an “Iron Puzzle”.

**Week 8:** Complete 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.