

**Acorns and Oak Leaves Forging Class**  
**January 6, 2018 8:00am to 5:00pm**  
[www.incandescent-iron.com](http://www.incandescent-iron.com)



This one-day class is aimed at beginning to intermediate level students. It teaches some basic blacksmithing skills including pipe forging, fullering, and forge welding. Some accessory skills may be taught including elementary arc welding and/or plasma cutting.

Students should bring their lunch and a refillable water bottle. I provide all necessary tools, equipment and materials, though you may bring your own hammers or other tools if you wish.

Safety eyewear is required. You can bring your own safety eyewear, or use ours. Wear cotton clothing, not synthetics (synthetic materials will give you a much worse burn than cotton if they ignite). Leather shoes are a good idea, though not required. If you have a leather or denim apron it will help reduce the amount of grime that accumulates on your clothes. It is a good idea to bring a headband because even in the winter you can work up a good sweat hammering iron next to a hot forge.

The class is limited to a maximum of four students.

Googlemaps can bring you right to the smithy. Just plug in the address: 3610 S. Harrison Rd, Spokane, WA.

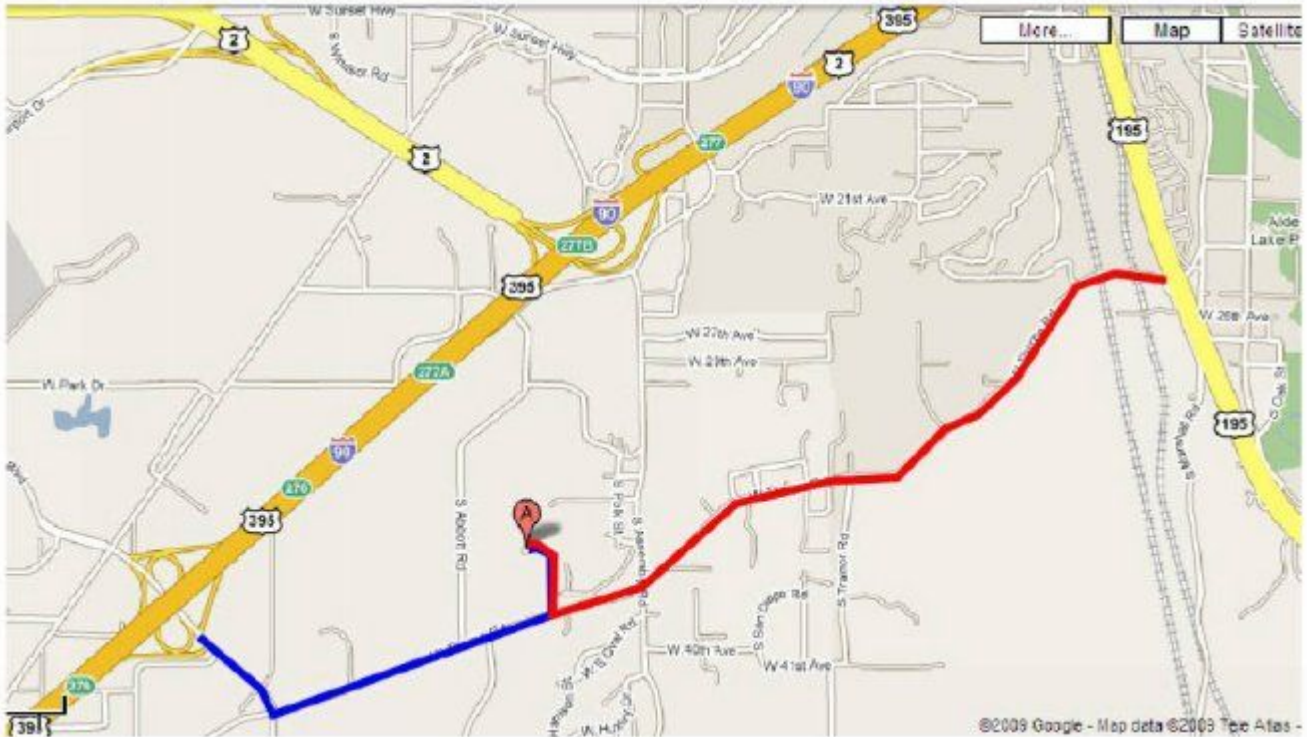
For additional details contact Steve McGrew at 509-998-2465 (cell) or [stevem@incandescent-iron.com](mailto:stevem@incandescent-iron.com).

## Safety Principles in the Smithy

- No alcohol unless the day has ended and all the forges and equipment are turned off.
- Always wear eye protection
- Always assume that anything made of metal is hot until you know otherwise. Most burns are from black iron.
- Always put hot metal *under the forge* to cool.
- Always quench your tongs, punches, drifts, chisels, fullers and slitters after each use
- If your hammer head is loose, put it head-down in water and get a different hammer.
- Wear a dust mask if you are working at the coke forge, brushing, sweeping, or grinding.
- When you burn yourself, immediately dunk the burned appendage in cold water until the cold hurts more than the burn; then put on some aloe vera and a bandage.
- When you discover that you are starting to get a blister, tape the affected area with duct tape and remember to wear your gloves.
- Do not hammer toward anyone else, and make sure nobody is near the arc of your hammer swing.
- Think about what how your workpiece is going to respond before you hit it.
- When you're carrying hot steel past other people, keep it in front of you and down low; make sure they know what you're up to.
- Always double-check that the gas is turned completely off
- Always make sure the ventilation fan is on if any gas forges are running
- Look before you move
- Plan your moves before you move
- Notice where others are around you and what they are doing
- Keep your tools where you can find them; only use your own set of tools.
- Do your best not to hit the anvil with your hammer: it can damage the anvil
- When cutting or slitting, protect the anvil with a cutting plate.

### Ergonomics:

- Anvil face should be a bit higher than your knuckles
- Use a platform if you need it for higher work
- Let gravity do the work: don't push down on your hammer; just lift it higher to hit harder
- Keep your wrist and hand relaxed when hammering
- Breathe normally when you are hammering
- Don't use a heavier hammer than necessary.



**My shop is behind my house at 3610 S. Harrison, about 1/4 mile off of Thorpe Road. Go up Thorpe past some duplexes on the right and a ranch house on the left. Continue on the oiled gravel road. The road will bend left and at that point you will see my big pumpkin-colored house. Bear right to go behind the house, straight to the shop. Phone number 509-998-2465**

## **Liability Release Statement**

I, the undersigned, realizing the potential hazards associated with the craft of blacksmithing and knifemaking, will **not** hold Steve McGrew, Columbia Fire and Iron, or Incandescent Ironworks Ltd. liable in the event of an accident or injury incurred on the property at 3610 S. Harrison Rd, Spokane, WA.

I am aware of the requirement to wear safety glasses during all demonstrations and while working in the shop. I am aware of the risk of burns and cuts, and the risk of foot injuries due to falling objects. I am aware that the environment of a blacksmith shop is dusty, and that wearing a dust mask is recommended. I am also aware of the danger of hearing damage due to the nature of the craft and accept the responsibility of taking the necessary steps to protect my hearing. I understand that power tools are inherently dangerous. I accept full responsibility for my own safety and for the safety of anyone I bring into the shop.

Signature \_\_\_\_\_

Date \_\_\_\_\_

Print name here \_\_\_\_\_

Incandescent Ironworks Ltd. may use photos of me in the blacksmith shop, on the company's website.

Yes \_\_\_\_\_

No \_\_\_\_\_

Initials: \_\_\_\_\_

## Parent Liability Release

I, the undersigned, realizing the potential hazards associated with the crafts of blacksmithing and knifemaking, will not hold Steve McGrew, Columbia Fire and Iron, or Incandescent Ironworks Ltd. liable in the event of any accident or injury incurred on the property at 3610 S. Harrison St, Spokane, WA.

I am aware of the requirement to wear safety glasses during all demonstrations and while working in the shop. I am aware of the risk of burns and cuts, and the risk of injuries due to falling objects. I am aware that the environment of a blacksmithing shop is dusty and noisy, and that wearing a dust mask and hearing protection are recommended. I accept full responsibility to take the necessary steps to protect my child's safety, and I accept full responsibility for the safety of my child, \_\_\_\_\_, in the shop.

Parent signature \_\_\_\_\_

Date \_\_\_\_\_

**Parent name (printed)** \_\_\_\_\_

Incandescent Ironworks Ltd., has my permission to take photos of my child during the class and use the photos on the company website, [www.incandescent-iron.com](http://www.incandescent-iron.com), and the Columbia Fire and Iron website and Facebook sites.

Yes \_\_\_\_\_

No \_\_\_\_\_

Initials \_\_\_\_\_ Date \_\_\_\_\_