

# Ocmulgee Blacksmiths Guild

## Youth Blacksmith 101 Class (2019) Student Syllabus

### Textbooks:

"Edge of the Anvil" by Jack Andrews – ISBN 0-87857-195-7 (*Italic Page Numbers*)

"New Edge of the Anvil" by Jack Andrews – ISBN 1-879535-09-2 (**Bold Page Numbers**)

1. Learn to build a fire in forge (*42-44/37-39*).
2. Tool Identification (*11-31/19-29*) and Safety (*32/34-35*).
3. Heating (**38-39**), Drawing Out (**40-42**), Tapering (*45-46/40-41 & 104*), and Bending (*47/42*) – Make an S-Hook from 1/4" Round mild steel.
4. Twisting (*48/43*) – Make a Pigtail Drive-in Hook (**42-43**) from 1/4" Square mild steel with a decorative twist in the shank.
5. Hot Cutting with Hardie (**39-40**) – Cut 24" of 3/8" Square mild steel into (3) three 8" sections.
6. Spreading/Fullering (*57/48 & 55*) – Make a flattened bean/spade-end hook with a Fishtail scroll end from 3/8" Square mild steel.
7. Make Round Punch (*49-54/105-107*) of about 3/16"-1/4" end diameter from 1/2" Round Tool Steel, and Punch (*56/47*) hole in Fishtail Hook.
8. Upsetting/Jumping-Up (**45-46**) – Upset one end of 3/8" Square mild steel to at least 1/2" square for about 1" of one end.
9. Drifting/Enlarging - Using upset square stock, punch a hole and enlarge into an eye-end on mandrel or anvil horn. Use to make Rope Hook (**46**).
10. Learn proper way to cool down (*54/45*), extinguish, and clean fire.
11. Put away tools, clean up, and have a safe trip home.  
- - - - - Additional Youth Blacksmith 101 Class Skills - - - - -
12. Make a Hot Cut Chisel (*49-53/107-108*) from 1/2" Round or Square Tool Steel and learn how to hot cut (**39-40**) with chisel.
13. Splitting (**53-55**) – Hot split 1/2" Square mild steel to form two-tines of Fork (**54-55**).
14. Slitting (**108**) – Slit handle end, enlarge to make round hanging hole. Forge handle to shape.

***Get it Hot, Hit it Hard!***