Trinidad State Junior College’s Summer of Fun  
2015 Continuing Education Series

Come join us for a series of fun and/or educational short-term workshops to be held throughout the summer. No course is over a week long with many lasting only a few hours. If you don’t see something that interests you, let us know what you are looking for and we will do our best to accommodate you.

If materials or tools are needed, it will be clearly marked on each workshop.

There is a once-a-semester registration fee of $12.55

We are still adding classes. Please check the continuing education link on our website at http://nra.trinidadstate.edu regularly for an updated list.

For further information or to register, contact Donna at 719-846-5541 or donna.haddow@trinidadstate.edu
# 2015 Summer of Fun Workshop Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Workshop</th>
<th>Instructor(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 26-28</td>
<td>Basic Digital Photography (9 a.m. to noon each day)</td>
<td>David Barrack</td>
<td>TBD</td>
</tr>
<tr>
<td>June 1-2</td>
<td>Basic Automotive (8:30 to 11:30 each day)</td>
<td>Jim Brunelli</td>
<td>Auto Shop</td>
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<tr>
<td>June 1</td>
<td>CPR (8:00 to 12:00)</td>
<td>Kathy Carpenter &amp; Santina Frank</td>
<td>TBD</td>
</tr>
<tr>
<td>June 1</td>
<td>First Aid (1:00 to 5:00)</td>
<td>Kathy Carpenter &amp; Santina Frank</td>
<td>TBD</td>
</tr>
<tr>
<td>June 1</td>
<td>Christmas Ornaments (2-5 p.m.)</td>
<td>Tammie Mack</td>
<td>Latuda Hall</td>
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<tr>
<td>June 2</td>
<td>Halloween Projects (2-5 p.m.)</td>
<td>Tammie Mack</td>
<td>Latuda Hall</td>
</tr>
<tr>
<td>June 3</td>
<td>Chalk Message Board/HOPPY Spring (2-5 p.m.)</td>
<td>Tammie Mack</td>
<td>Latuda Hall</td>
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<tr>
<td>June 4</td>
<td>Glass Projects (2-5 p.m.)</td>
<td>Tammie Mack</td>
<td>Latuda Hall</td>
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<tr>
<td>June 5</td>
<td>Recycled Notebook/Treat Sleeve (2-5 p.m.)</td>
<td>Tammie Mack</td>
<td>Latuda Hall</td>
</tr>
<tr>
<td>June 1-5</td>
<td>Reloading A-Z (8-5, Monday-Friday)</td>
<td>Rich Machholz</td>
<td>Mullen 306</td>
</tr>
<tr>
<td>June 6</td>
<td>Basic 1911 (8-5, Saturday only, limited to 12 students)</td>
<td>Bill Laughridge</td>
<td>Mullen 306</td>
</tr>
<tr>
<td>June 8-12</td>
<td>Powderhorns (8-12, Monday-Friday)</td>
<td>Jim Stevens</td>
<td>Mullen 106</td>
</tr>
<tr>
<td>June 9</td>
<td>Basic Computers (Word, Excel, PowerPoint) (9-2 limit 15)</td>
<td>Ann Marie Rigdon</td>
<td>Berg 305</td>
</tr>
<tr>
<td>June 10</td>
<td>Beginning Crochet (1-4 p.m.)</td>
<td>Alana Best</td>
<td>Davis 145</td>
</tr>
<tr>
<td>June 8-12</td>
<td>Gun Leather II (8-5, Monday-Friday)</td>
<td>Bob Calkins</td>
<td>Mullen 414</td>
</tr>
<tr>
<td>June 13</td>
<td>Firearms Business one-day class (8 a.m. to 5 p.m.)</td>
<td>Brian Cumby</td>
<td>TBD</td>
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<tr>
<td>June 15-19</td>
<td>Scrimshaw (8-12, Monday-Friday)</td>
<td>Jim Stevens</td>
<td>Mullen 414</td>
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<tr>
<td>June 22-23</td>
<td>OSHA 10-hour Construction Industry Standards 2 days only</td>
<td>Brian Cumby</td>
<td>Berg 307</td>
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<tr>
<td>June 22-26</td>
<td>Pen Making (8-5, Monday-Friday)</td>
<td>Dave Farrell</td>
<td>Mullen 211</td>
</tr>
<tr>
<td>June 22-26</td>
<td>Introductory Hand Engraving (June 22-July 1)</td>
<td>Dr. Michael Pierson</td>
<td>Mullen 414</td>
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<tr>
<td>June 22-26</td>
<td>Hat Making</td>
<td>Tom Hirt</td>
<td>Mullen 306</td>
</tr>
<tr>
<td>June 29-July 3</td>
<td>Advanced Hand Engraving (July 1 1 p.m.-July 10)</td>
<td>Dr. Michael Pierson</td>
<td>Mullen 414</td>
</tr>
<tr>
<td>June 29-July 3</td>
<td>Structural Welding (8-5, Monday-Friday)</td>
<td>Robert Sanchez</td>
<td>Banta Welding Shop</td>
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<tr>
<td>July 6-10</td>
<td>Welding Art (8-5, Monday-Friday)</td>
<td>Robert Sanchez</td>
<td>Banta Welding Shop</td>
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<tr>
<td>July 8</td>
<td>Beginning Cross Stitch (1-4 p.m. one day only)</td>
<td>Alana Best</td>
<td>Davis 145</td>
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<tr>
<td>July 13-17</td>
<td>Spur Making (8-5, Monday-Friday)</td>
<td>Buddy Knight</td>
<td>Mullen 101</td>
</tr>
<tr>
<td>July 15</td>
<td>Beginning Crochet (1-4 p.m., one day only)</td>
<td>Alana Best</td>
<td>Davis 145</td>
</tr>
<tr>
<td>July 20-24</td>
<td>Three Piece Buckles (8-5, Monday-Friday)</td>
<td>Buddy Knight</td>
<td>Mullen 101</td>
</tr>
<tr>
<td>July 21</td>
<td>Internet Safety (Etsy, Amazon, Ebay, etc.) 9-2 limit 18</td>
<td>Ann Marie Rigdon</td>
<td>Berg 305</td>
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<tr>
<td>July 22-24</td>
<td>Basic Drawing</td>
<td>Vilas Tonape</td>
<td>Berg 414</td>
</tr>
<tr>
<td>July 22-24</td>
<td>Gunstock Carving</td>
<td>Jack Brooks</td>
<td>Mullen 106</td>
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</tbody>
</table>

Be sure to follow the Summer of Fun link at [http://nra.trinidadstate.edu](http://nra.trinidadstate.edu)
Digital Photography
May 26-28, 2015 9-noon each day
Cost $100

Photography is fun. You get to play with light in many different ways. You play with it when you capture it. You play with it when you adjust it. You play with it when you show it off.

You will leave this class knowing more about your camera, light and how to have fun creating. You will learn about aperture (how much light passes through the lens), shutter speed (how long light passes through the lens), depth of field (what is in focus, what isn’t and how to control it), composition (what is in the photo, what isn’t and why), how to adjust the photo after you take it and how to output it.

Mostly you will learn to learn and have fun.

You will need a digital point and shoot camera (at least) to a Digital SLR (single lens reflex) the ability to move the photos into the computer and at least one joke to tell the class. You may bring a laptop/tablet if you want.

David Barrack has been taking pictures for more than five decades. His parents spent $5.00 on his first camera. He has taken pictures many different subjects including landscapes, animals, children, all levels of sports and even Space Shuttle takeoff’s and landings.

David.barrack@trinidadstate.edu
719-846-5730

Basic Automotice
June 1-2 8:30 to 11:30
Auto Shop
Cost $50 for both days

This two-day workshop is designed for those who would like to learn a little bit about basic auto maintenance they can do themselves, when to see a mechanic, or to have enough basic knowledge so they are not taken advantage of by a mechanic.
Day one will cover light service work on your vehicle, oil change, brake service, shocks, stuts, lights, check engine lights, and other warning lights.
Day two will use a live vehicle in the shop showing and explaining the various service procedures.
Instructor: Jim Brunelli
**CPR**

*June 1, 2015  8 a.m. to noon*

*Cost  $20 (If you need to be certified, card will cost $5.00)*

Perfect class for those who need a basic CPR class. High school students and want-to-be babysitters are also welcome.

Instructors: Kathy Carpenter & Santina Frank

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**First Aid**

*June 1, 2015  1-5 p.m.*

*Cost $20*

Perfect class for those who need a basic first aid class. High school students and want-to-be babysitters are also welcome.

Instructors: Kathy Carpenter & Santina Frank

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**Five Christmas Ornaments**

*June 1st  2-5 p.m.*

*Cost $130 (includes all the supplies you will need)*

Workshop will include creating and designing five different ornaments to create a rustic and warm Christmas atmosphere in your home. A twig and shades of green ribbon Christmas tree, personalized wire ornament, Rudolph the Red Nosed Reindeer tootsie pops, aged sheet music and button snowmen, and a recycled key painted to look like a snowmen and topped off with homespun fabric.

Instructors: Tammie Mack and Toni Lambeth

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**Halloween Projects**

*June 2nd  2-5 p.m.*

*Cost $130 (includes all the supplies you will need)*

Workshop will be full of three “spooktacular” projects that can be used to make your next Halloween fun and innovative. Create a ghost, bat, or Dracula Hershey candy bar wrap, paint a Frankenstein clay-pot candy jar, and design a punched tin Halloween luminaire.

Instructors: Tammie Mack and Toni Lambeth
Chalk Message Board/HOPPY Spring
June 3rd  2-5 p.m.
Cost $130 (includes all the supplies you will need)

Need a place to organize and keep all your notes? Then this workshop is for you! Using a clipboard you will design a hanging, chalkboard message center with bling-bling flare that sure to fit into any decor. Also included in this workshop is creating a Spring or Easter hand stamped card to make that special person in your life feel loved.
Instructors: Tammie Mack and Toni Lambeth

Glass Projects
June 4th  2-5 p.m.
Cost $130 (includes all the supplies you will need)

This workshop is jammed pack with a glass theme to include a frosted, lighted, glass block project, a vinyl monogrammed and painted candle jar, and a hand painted wine glass turned upside down to make a votive holder. Let us show you some creative things to do with a Cricut and recyclable items. These three projects will make your home feel inviting and cozy as you place them in an entry way, spare bedroom, or bathroom.
Instructors: Tammie Mack and Toni Lambeth

Recycled Notebook; Treat Sleeve
June 5th  2-5 p.m.
Cost $130 (includes all the supplies you will need)

This workshop is certainly hands-on as you create, using a pair of old blue jeans and ribbons, a notebook for journaling, notes, lists, etc. Monogram it with embroidery to personalize it for you or a friend. Pair it with the second project of the day; a hydrating treat sleeve that will hang from a water bottle with a drink mix packet. It will make the perfect “I’m thinking of you” gift.
Instructors: Tammie Mack and Toni Lambeth
This class will address all facets of reloading from the basics to the most advanced techniques. Students should bring their own equipment if convenient and instructor will concentrate on precision reloading long range preparation but not limited to that. We will look at Exterior Ballistics and how bullet shape can influence accuracy. Plus we will follow an informal format trying to be open to all pertinent questions. **Rich Machholz** has been a ballistic technician at Sierra Bullets for 21 years and a long range Benchrest competitor for over half that time. He began hunting at a very early age and reloading followed shortly thereafter. In the early 1980's he got an idea, made some drawings, hired an attorney and eventually received a design patent for case spinners. He resurrected his old Sportsman Supply Company which was a retail sales company but soon developed into a small manufacturing company building portable shooting tables, rifle rests, target stands and the SSC Case Spinners. That eventually lead to free lance writing and later yet got him in the door at Sierra Bullets.

rich@sierrabullets.com

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**Reloading A-Z Tool List**

1” Micrometer  
6” Calipers (No plastic RCBS)  
Reloading dies for their caliber of choice.  
Bullets for their caliber of choice.  
Powder for their caliber of choice.  
Primers for their caliber of choice.  
Brass for their caliber of choice.  
Pad of engineering paper  
Reloading tray  
Front rest and or appropriate front and rear bags  
Bore cleaning equipment  
proper eye and ear protection  
Rifles or Pistols to check for problems & proper function, and shoot later in the week providing the weather is good.
Leather Holster Making
June 1-5, 2015  Mon-Fri 8-5
Cost $380

This class has been created to teach students how to construct quality gunleather using methods and techniques requiring a minimum number of leather tools. Since the work is by hand (no sewing machines, etc.) reasonable hand strength and dexterity is necessary for class participation. Students will learn the methods I used to design, layout, stitch, wet mold, edge, burnish, apply oil or antique finish, and basket stamp holsters. As the class progresses, each student will construct two holsters for guns of their choice. I would suggest a pancake holster for a semi auto (model 1911’s are great) as well as a revolver holster of either a conventional or western design. You will have the opportunity to basket stamp one of these holsters if you so desire. Students may wish to bring two personal handguns to use in constructing these holsters (no scoped handguns, please). If time permits, we will discuss construction of gunbelts, cartridge loop sewing, magazine cases, saddle scabbards, and knife sheaths.

Robert (Bob) Calkins is an active shooter, hunter and firearms collector who has made gun leather for himself, friends, and customers for over 50 years. In 1990, he and his wife, LaVon, decided to establish 3 Cross Custom Gunleather as a part-time business. Upon retiring from the Department of the Interior in 1994, gunleather became a full-time occupation. Bob crafts gun rigs for cowboy competitors, which has included State, National, and World Champion shooters. Hunters, outdoorsmen, casual shooters, and concealed-carry holders, make up the balance of his business.
At age 75, Bob has cut back on working hours, but still produces several holsters and gun belts every week. In his opinion, there are numerous good leather craftsmen. However, he believes an individual with a true appreciation of firearms and their use is essential to building a truly functional piece of gun leather.
Bob Calkins  505-598-0208 (h)  505-716-3231 (c) or three.cross@hotmail.com

Leather Holster Making Tool List

Quality leather will be made available to students through the college bookstore. Costs will be based on projects to be developed. TSJC Bookstore – please contact the TSJC bookstore at 719-846-5610 for information

Needles, thread, oil, stamping tools, etc. will be furnished at no charge by the instructor.

- ¼” light weight electric drill
- Dremel tool with sanding drums
- Clear safety glasses
- Sponge and quart size water container (large butter tub is great)
- Straight edge ruler
- 16: x 20” piece of ¾” plywood with smooth side
- Exacto knife with blades
- Rawhide #4 Mallet (such as Tandy #3300-04)
- Craft Tool Leather Shears (such as Tandy #3050-00)
- Grooving tool (such as Tandy 8074-00)
- Edging tool (such as Tandy #8077-03 or Osborne #127-4 preferred)
- Craft tool Overstitcher #6 (such as Tandy 8079-06)
- #14 Punch (such as Tandy 3777-14)
- #9 Punch (such as Tandy 3777-9)
- 12” x 12” Granite piece (minimum 1” thick)

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1911 Safety, Disassembly, Inspection, Maintenance
Lubrication and Reassembly Class

&

1911 Malfunction & Cycle of Operation Class

Saturday, June 6 8-5
Cost $125

Purpose
This is approximately a 6 hour class which is broken down into two 3-hour blocks. The first 3-hour block
consists of hands-on instruction with your 1911 type pistol. The student will learn the proper techniques for
safety, maintenance, disassembly, reassembly and lubrication. The second 3-hour block consists of
classroom lecture and examples on the typical firing malfunctions and their correction for the 1911.

Scope
Instruction will cover subjects on how to correctly check the safeties on the 1911, maintenance and proper
lubrication. Information in this course will cover subjects from the basic operating functions of the 1911
pistol through the function and purpose of each individual part and their relationships during the firing
cycle of the 1911, and the common malfunctions of the 1911 and their probable causes.

Subjects to Be Covered
Hands-on 3 hour block of instruction
1. Class Room Safety
2. Safety Checking the 1911 Pistol
3. Complete Disassembly of the 1911
4. Disassembly of the Magazine
5. Checking all critical internal parts for burrs and deformation
6. Maintenance and Lubrication
7. Re-Assembly

Lecture 3 hour block of instruction (Malfunctions and Corrections)
1. Failures to Feed
2. Failures to Close/Chamber
3. Failures to Fire
4. Failures to Extract
5. Failures to Eject
6. Failures of Slide to Lock Open After Firing Last Round
7. Hammer Follows Slide During Firing or When Loading
8. Hammer Fails to Drop When Trigger is Pulled
9. Trigger Fails to Return Forward
10. Defective Safeties
11. Popular Modifications: Why They Are Done, Do You Need Them (Discussion if Time Permits)

**Class Requirements**

It is suggested that you read Kuhnhausen’s Volume I 1911 manual before coming to class. If you need to purchase this book we have them for sale. Make sure that you have thoroughly studied the book and become familiar with the internal parts of the 1911 and how to disassemble and reassemble your 1911. By coming to class with this knowledge we are able to spend more time giving you detailed instruction on the finer points of caring for your 1911.

Please bring the following items for the Maintenance Class:

1) A fully functional 1911 style pistol with one magazine that is SQUEAKY clean and lightly lubricated. (If you are taking this class in conjunction with the Tactical class you will finish with a complete pistol to use for this class)

2) Tools to remove grips (Screwdriver, Allen or Torx)

3) Tools to disassemble & reassemble pistol
   a) Ball Pein Hammer, 4oz. or Nylon/Brass Hammer
   b) Barrel Bushing Wrench, Non Marring
   c) Pin Punches (1/16”, 1/8”, 3/32”)
   d) Screwdriver or Allen wrench for Mag Catch Lock
   e) Tweezers, 4-6”

4) Bench mat

5) Small high intensity flashlight

6) Safety Glasses

7) Shop towels (Minimum 2)

If you would like to purchase a tool kit to disassemble and reassemble your pistol including bench mat, you can purchase one from us, please call for current pricing.

**If you are already taking one of our 1911 pistolsmithing schools you will already have most of the tools needed.**
Powder Horns  (Monday-Friday, 8 a.m. to 5 p.m.)
June 8-12  Mon-Fri 8-5
Cost $380

This hands-on intensive course will instruct participants through the basics and many advanced techniques of North American powder horn making and the application of scrimshaw, engrailing, and other structural and embellishment techniques. Selection and preparation of various horn materials, as well as layout and the execution of various techniques and designs will be covered. While exotic and international powder horn styles will be covered, the emphasis will be on the skilled creation of the North American style powder horn. In today’s world of powder horns, the North American style is the one most sought after by collectors and black powder shooters. Special artistic ability or experience is NOT needed to succeed in this class. Skills learned will be applicable in either personal or professional pursuits.

Jim Stevens is a world renowned scrimshander, writer and artist. He has been commissioned to create works of art for collectors throughout the world. Jim brings his expertise and his no-fail attitude with him to inspire all who attend his classes, paving the way for all to express themselves in a media that warms the soul. No other art form in American has a longer history. No other expression of art has such significance or influence on the American spirit.

stevens@scrimshawstudio.com  www.scrimshawstudio.com

SCRIMSHAW AND POWDER HORN CLASSES TOOL/SUPPLY LIST

The most expensive item on the following list is less than $40. I have purchased everything on the list and spent less than $100. All the items are small enough to carry in your luggage (don't pack liquids or aerosol cans) but it is still easier to buy what you can from the College supply store. Everyone will be given time on our first day to go to the supply store and purchase materials.

The College has a first-class tool, art and office supply store on campus. It is called "The Trek-Inn Bookstore", phone 719-846-5610. Their prices seem to be equal to or less than prices on the outside. Also, buying at the school store can definitely save you a lot of shopping or packing time. You can even give them a call ahead of time and let them know what you need so you can be assured they will have what you want when you arrive. If you already have any of these items, bring them. There's no need to repeat your purchases.

Where to shop, source index:
(You can always order materials from the Internet if you prefer.) a=school store, b=local art store or jewelry supply store or hardware store, c=local supermarket, d=local department store (like Walmart or Kmart)
### MATERIALS FOR BOTH SCRIMSHAW AND POWDER HORN CLASSES

<table>
<thead>
<tr>
<th>Source</th>
<th>Item</th>
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<tbody>
<tr>
<td>a, b</td>
<td>One hobby knife handle (ie: X-Acto knife) (with rubber grip if you prefer)</td>
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<tr>
<td>a, b</td>
<td>Package of 5, #11 hobby knife blades</td>
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<tr>
<td>a, b</td>
<td>One small tube of Titanium White artist's oil paint</td>
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<tr>
<td>a, b</td>
<td>One small tube of Ivory Black artist's oil paint</td>
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<tr>
<td>a, b</td>
<td>One #2 pencil</td>
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<tr>
<td>a, b</td>
<td>One black aquarellable pencil (Stabilo or other brand)</td>
</tr>
<tr>
<td>a, b</td>
<td>One white aquarellable pencil (Stabilo or other brand)</td>
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<tr>
<td>a, b</td>
<td>One pencil sharpener (small hand held type)</td>
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<tr>
<td>a, b</td>
<td>One roll of transparent tape</td>
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<tr>
<td>a, b</td>
<td>One pair of scissors</td>
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<tr>
<td>a, b</td>
<td>One pink eraser</td>
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<tr>
<td>a, b</td>
<td>A clear plastic ruler (6 inches long is fine)</td>
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<tr>
<td>a, b</td>
<td>One small can of spray adhesive</td>
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<tr>
<td>a, b</td>
<td>One small bottle of rubbing alcohol</td>
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<tr>
<td>a, b</td>
<td>One small pair of pliers</td>
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<tr>
<td>a, b</td>
<td>One headband magnifier (ie: Opti-visor) (see note below)</td>
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<tr>
<td>a, b</td>
<td>Three sheets each of #400 and #600 wet/dry sandpaper</td>
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<tr>
<td>a, b</td>
<td>One package of .0000 steel wool pads</td>
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<tr>
<td>a, b</td>
<td>One paper dust mask (to use while sanding and polishing)</td>
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<tr>
<td>a, b</td>
<td>Safety glasses or goggles (required in school’s tool shops)</td>
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<tr>
<td>c</td>
<td>One small package of facial tissue</td>
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<tr>
<td>c</td>
<td>One package of assorted fine point, hand sewing needles</td>
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<tr>
<td>c</td>
<td>One small package of cotton swabs (Q-tip or other brand)</td>
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<tr>
<td>d</td>
<td>One small flexible-neck desk lamp. (see lighting note below)</td>
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<tr>
<td>a, b</td>
<td>One double-ended reversible pin vise (one end with zero minimum capacity)</td>
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### ADDITIONAL MATERIALS ONLY FOR POWDER HORN CLASS

| b,d    | Hand-held rotary tool with set of small ball bits |
|        | (Rotary tools by WEN, Black & Decker, and others as low as $20 on Amazon.com) |
| b,d    | Set of small hobby hand files (usually comes in set of 6 miniature files in variety of shapes) |
| a, b   | Three sheets each of #100, #250, #350 wet/dry sandpaper |

The Scrimshaw and Powder Horn materials in-class fee is $12. This covers the cost of ivory, Tagua vegetable ivory, cattle horn, black buffalo horn, and other materials that I will have on hand for special in-class projects. This is the only in-class fee. I will have all these materials on hand when you arrive.

#### Headband Magnifier Note:
If you have one, bring it. For those buying one for the first time, Opti-visor headband magnifiers are one of the few that come with a choice of lenses. Lens powers are designated by the numbers 3, 5, 7, and 10. A #3 lens is 1x magnification and allows you to work about 14 inches from your material. Not much bending, but frankly not much help either. A #5 is 2x magnification and allows you to work about 8 inches from your material. I find this is fine for most work. A #10 gives 3x magnification but only about 4 inches of work distance. This is great for minute details but can be hard on the back over long periods of time. I use a #5 Opti-visor lens for general work and switch to a #10 for those times when I need the extra power for very fine details. I guess the best advice I can give new buyers is to get what you think will work the best for you and what fits your budget.

#### Other Types of Magnification:
We will talk about opti-visors, microscopes, thread counters, combination lamp/magnifiers, jewelers loupes, binocular loupes and other types of magnifiers during the course. If you already use any of these magnifiers (or another) and are comfortable and enjoy using what you have, go ahead and bring it.
Lighting (desk lamp note): Our classroom has good overhead light, however you'll soon learn that you need additional lighting on your bench. This is why a desk lamp is on the materials list. Your lamp should have a flexible neck and use a regular incandescent or low power tungsten bulb. What you want is a lamp whose light can be positioned at a very low angle to the bench, with the back of the lamp pointed towards you while reflecting light off the material you are working on.

Other Items: (Not required but nice. Bring them if you can.) Plastic box for your tools and supplies. Notebook and pen (For taking notes during discussions). Seat cushion for your stool (they are hard). Three old hand towels (to pad your work and your elbows and for wiping your fingers). Also bring any additional tools and/or supplies you feel you may want or need, any artwork or pictures you would like to work from, and a file folder for holding handouts.

Scrimshaw Class Final Project: For your final project you will need to purchase and bring with you the material you want to use. If you do not bring your own material for your final project, you may select from what I will have on hand.
I have no business relationship with them, but The Boone Trading Company is a reputable company that has any material you may want for your final project. Their number is 1-800-423-1945. You can go online to review their materials. Their web address is: http://www.boonetrading.com/. Your final piece should be a belt buckle, pendant, money clip, or similar item. I recommend a flat blank rather than a domed cabochon, since domed cabochons are harder for beginners, but a domed cabochon will still be okay if that is what you prefer. Also, for pendants, order a pendant at least 30-40mm in length.

Powder Horn Class Final Project: For your final project, I will have horns and materials on-hand. You may bring your own horn if you have one you want to use instead.
I have no business relationship with them, but Powderhorns and More, Inc. is a reputable company that has any material you may want for your final project. You can go online to review their materials. Their web address is: http://www.powderhornsandmore.com.

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**Basic Computers**

**June 9, 2015  9-2**

**Cost $55**

This class covers the basics of Microsoft Word and its uses like writing a letter or designing a flyer. The class will also cover Desktop Publishing using Microsoft Publisher to create greeting cards and calendars. Finally, Microsoft Excel is introduced to create spreadsheets that will help with your bookkeeping needs.

Instructor: AnnMarie Rigdon

*****************************************************************************
**Beginning Crochet**  
*June 10, 2015  1-4p.m.*  
*Price being finalized – will include supplies needed for class*

Have you ever wanted to learn to crochet? Join us for a fun afternoon of learning the basics of crocheting your first project. We will start with creating a chain and then move into some basic stitches. During this course you will also learn how to read a pattern and finish a piece. If you have crocheted before and would like to join just for fun you are also welcome. This class will be casual and relaxing.  
Instructor: Alana Best

**Gun Leather II**  
*June 8-12, 2015  Mon-Fri, 8-5*  
*Cost $380*

Gun leather II has been created to expand methods and techniques learned by students in Basic Holster making. This class will take students to the next level of gun leather constructions. Students will review principles learned in Basic Holster making with emphasis on development of a gun belt, holster, and associated leather for a complete gun rig. The remainder of the class will give students the latitude to develop projects of their choice associated with guns, knives, and cartridge retention. Students will be required to provide their own firearms and knives for project development.  

**Robert (Bob) Calkins** is an active shooter, hunter and firearms collector who has made gun leather for himself, friends, and customers for over 50 years. In 1990, he and his wife, LaVon, decided to establish 3 Cross Custom Gun leather as a part-time business. Upon retiring from the Department of the Interior in 1994, gun leather became a full-time occupation. Bob crafts gun rigs for cowboy competitors, which has included State, National, and World Champion shooters. Hunters, outdoorsmen, casual shooters, and concealed-carry holders, make up the balance of his business.  
At age 75, Bob has cut back on working hours, but still produces several holsters and gun belts every week. In his opinion, there are numerous good leather craftsmen. However, he believes an individual with a true appreciation of firearms and their use is essential to building a truly functional piece of gun leather.  
Bob Calkins  505-598-0208 (h)  505-716-3231 (c) or three.cross@hotmail.com
Leather Holster Making Tool List

Quality leather will be made available to students through the college bookstore. Costs will be based on projects to be developed. TSJC Bookstore – please contact the TSJC Bookstore at 719-846-5610 for information.
Needles, thread, oil, stamping tools, etc. will be furnished at no charge by the instructor.

- ¼” light weight electric drill
- Dremel tool with sanding drums
- Clear safety glasses
- Sponge and quart size water container (large butter tub is great)
- Straight edge ruler
- 16 x 20” piece of ¾” plywood with smooth side
- Exacto knife with blades
- Rawhide #4 Mallet (such as Tandy #3300-04)
- Craft Tool Leather Shears (such as Tandy #3050-00)
- Grooving tool (such as Tandy 8074-00)
- Edging tool (such as Tandy #8077-03 or Osborne #127-4 preferred)
- Craft tool Overstitcher #6 (such as Tandy 8079-06)
- #14 Punch (such as Tandy 3777-14)
- #9 Punch (such as Tandy 3777-9)
- 12” x 12” Granite piece (minimum 1” thick)

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Firearms Business – One day Class
Saturday, June 13, 2015
Cost $60

Students will learn the process of starting a small business. This course is designed for people that may want to start a small business and need information on “what to do”. This course will have an emphasis on starting a firearms business and topics include Federal Firearm Regulations and FFL licenses, importing/exporting firearms, as well as basic start-up fundamentals.
We will use resources given by the Small Business Association and teach you the steps it takes to make your business official. This should give you a good introduction to the process of starting a business and give you resources that you can use to do it yourself.
Topics will include: FFL, Creating a Business Plan, Choosing a business structure, such as sole proprietorship, partnership, corporation, registering your business with state and local governments, Attaining licenses and permits Taxes and Insurance.

Brian Cumby is the full-time CNC machining instructor for TSJC. He previously owned the Salida Sign Shop and has extensive experience with CAD/CAM design work using CadKey, BobCad, Artcam, flexisign, and Autocad. In addition to machining and design, he is experienced in general metal work and machining by hand. Brian has a B.A. degree in Engineering Management (Business Administration)
Learn the Art of Scrimshaw one-on-one with Jim Stevens. You do not need an interest in Gunsmithing to take this course. The techniques taught are the same for anyone wanting to learn how to create beautiful scrimshaw on ivory, resins, and powder horns. An intensive, hands-on course taught by artist, sculptor, and scrimshander Jim Stevens. Jim Stevens is a world renowned scrimshander, writer and artist. He has three books published on scrimshaw techniques, has been commissioned to create works for collectors throughout the world, and is a Kennedy Center Registered VSA Artist in both the visual and literary arts. Jim brings his expertise and his no-fail attitude to inspire all who attend his classes. No other art form in American has a longer history. No other expression of art has such significance or influence on the American spirit.

Jim Stevens is a world renowned scrimshander, writer and artist. He has been commissioned to create works of art for collectors throughout the world. Jim brings his expertise and his no-fail attitude with him to inspire all who attend his classes, paving the way for all to express themselves in a media that warms the soul. No other art form in American has a longer history. No other expression of art has such significance or influence on the American spirit.

stevens@scrimshawstudio.com  www.scrimshawstudio.com

SCRIMSHAW AND POWDER HORN CLASSES TOOL/SUPPLY LIST

The most expensive item on the following list is less than $40. I have purchased everything on the list and spent less than $100. All the items are small enough to carry in your luggage (don't pack liquids or aerosol cans) but it is still easier to buy what you can from the College supply store. Everyone will be given time on our first day to go to the supply store and purchase materials.

The College has a first-class tool, art and office supply store on campus. It is called "The Trek-Inn Bookstore", phone 719-846-5610. Their prices seem to be equal to or less than prices on the outside. Also,
buying at the school store can definitely save you a lot of shopping or packing time. You can even give them a call ahead of time and let them know what you need so you can be assured they will have what you want when you arrive. If you already have any of these items, bring them. There’s no need to repeat your purchases.

Where to shop, source index:
(You can always order materials from the Internet if you prefer.) a=school store, b=local art store or jewelry supply store or hardware store, c=local supermarket, d=local department store (like Walmart or Kmart)

### MATERIALS FOR BOTH SCRIMSHAW AND POWDER HORN CLASSES

<table>
<thead>
<tr>
<th>Source</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>a, b</td>
<td>One hobby knife handle (ie: X-Acto knife) (with rubber grip if you prefer)</td>
</tr>
<tr>
<td>a, b</td>
<td>Package of 5, #11 hobby knife blades</td>
</tr>
<tr>
<td>a, b</td>
<td>One small tube of Titanium White artist’s oil paint</td>
</tr>
<tr>
<td>a, b</td>
<td>One small tube of Ivory Black artist’s oil paint</td>
</tr>
<tr>
<td>a, b</td>
<td>One #2 pencil</td>
</tr>
<tr>
<td>a, b</td>
<td>One black aquarellable pencil (Stabilo or other brand)</td>
</tr>
<tr>
<td>a, b</td>
<td>One white aquarellable pencil (Stabilo or other brand)</td>
</tr>
<tr>
<td>a, b</td>
<td>One pencil sharpener (small hand held type)</td>
</tr>
<tr>
<td>a, b</td>
<td>One roll of transparent tape</td>
</tr>
<tr>
<td>a, b</td>
<td>One pair of scissors</td>
</tr>
<tr>
<td>a, b</td>
<td>One pink eraser</td>
</tr>
<tr>
<td>a, b</td>
<td>A clear plastic ruler (6 inches long is fine)</td>
</tr>
<tr>
<td>a, b</td>
<td>One small can of spray adhesive</td>
</tr>
<tr>
<td>a, b</td>
<td>One small bottle of rubbing alcohol</td>
</tr>
<tr>
<td>a, b</td>
<td>One small pair of pliers</td>
</tr>
<tr>
<td>a, b</td>
<td>One headband magnifier (ie: Opti-visor) (see note below)</td>
</tr>
<tr>
<td>a, b</td>
<td>Three sheets each of #400 and #600 wet/dry sandpaper</td>
</tr>
<tr>
<td>a, b</td>
<td>One package of .0000 steel wool pads</td>
</tr>
<tr>
<td>a, b</td>
<td>One paper dust mask (to use while sanding and polishing)</td>
</tr>
<tr>
<td>a, b</td>
<td>Safety glasses or goggles (required in school’s tool shops)</td>
</tr>
<tr>
<td>c</td>
<td>One small package of facial tissue</td>
</tr>
<tr>
<td>c</td>
<td>One package of assorted fine point, hand sewing needles</td>
</tr>
<tr>
<td>c</td>
<td>One small package of cotton swabs (Q-tip or other brand)</td>
</tr>
<tr>
<td>d</td>
<td>One small flexible-neck desk lamp. (see lighting note below)</td>
</tr>
<tr>
<td>a, b</td>
<td>One double-ended reversible pin vise (one end with zero minimum capacity)</td>
</tr>
</tbody>
</table>

### ADDITIONAL MATERIALS ONLY FOR POWDER HORN CLASS

| b,d    | Hand-held rotary tool with set of small ball bits |
|        | (Rotary tools by WEN, Black & Decker, and others as low as $20 on Amazon.com) |
| b,d    | Set of small hobby hand files (usually comes in set of 6 miniature files in variety of shapes) |
| a, b   | Three sheets each of #100, #250, #350 wet/dry sandpaper |

The Scrimshaw and Powder Horn materials in-class fee is $12. This covers the cost of ivory, Tagua vegetable ivory, cattle horn, black buffalo horn, and other materials that I will have on hand for special in-class projects. This is the only in-class fee. I will have all these materials on hand when you arrive.

**Headband Magnifier Note:** If you have one, bring it. For those buying one for the first time, Opti-visors headband magnifiers are one of the few that come with a choice of lenses. Lens powers are designated by the numbers 3, 5, 7, and 10. A #3 lens is 1x magnification and allows you to work about 14 inches from your material. Not much bending, but frankly not much help either. A #5 is 2x magnification and allows you to...
work about 8 inches from your material. I find this is fine for most work. A #10 gives 3x magnification but only about 4 inches of work distance. This is great for minute details but can be hard on the back over long periods of time. I use a #5 Opti-visor lens for general work and switch to a #10 for those times when I need the extra power for very fine details. I guess the best advice I can give new buyers is to get what you think will work the best for you and what fits your budget.

Other Types of Magnification: We will talk about opti-visors, microscopes, thread counters, combination lamp/magnifiers, jewelers loupes, binocular loupes and other types of magnifiers during the course. If you already use any of these magnifiers (or another) and are comfortable and enjoy using what you have, go ahead and bring it.

Lighting (desk lamp note): Our classroom has good overhead light, however you'll soon learn that you need additional lighting on your bench. This is why a desk lamp is on the materials list. Your lamp should have a flexible neck and use a regular incandescent or low power tungsten bulb. What you want is a lamp whose light can be positioned at a very low angle to the bench, with the back of the lamp pointed towards you while reflecting light off the material you are working on.

Other Items: (Not required but nice. Bring them if you can.) Plastic box for your tools and supplies. Notebook and pen (For taking notes during discussions). Seat cushion for your stool (they are hard). Three old hand towels (to pad your work and your elbows and for wiping your fingers). Also bring any additional tools and/or supplies you feel you may want or need, any artwork or pictures you would like to work from, and a file folder for holding handouts.

Scrimshaw Class Final Project: For your final project you will need to purchase and bring with you the material you want to use. If you do not bring your own material for your final project, you may select from what I will have on hand.

I have no business relationship with them, but The Boone Trading Company is a reputable company that has any material you may want for your final project. Their number is 1-800-423-1945. You can go online to review their materials. Their web address is: http://www.boonetrading.com/. Your final piece should be a belt buckle, pendant, money clip, or similar item. I recommend a flat blank rather than a domed cabochon, since domed cabochons are harder for beginners, but a domed cabochon will still be okay if that is what you prefer. Also, for pendants, order a pendant at least 30-40mm in length.

Powder Horn Class Final Project: For your final project, I will have horns and materials on-hand. You may bring your own horn if you have one you want to use instead.

I have no business relationship with them, but Powderhorns and More, Inc. is a reputable company that has any material you may want for your final project. You can go online to review their materials. Their web address is: http://www.powderhornsandmore.com.
**OSHA 10-hour Construction Industry Standards**  
**June 22-23, 2015  9-3 each day**  
**Cost $100**

Provides a 10-hour OSHA certification course for the construction industry. Participants will review the current OSHA standards contained in 29 CFR 1926. Participants will receive a certificate of completion from the Dept. of Labor, OSHA.  
Instructor: Brian Cumby

**********************************************************************************

**Basic Pen Making for Hobbyists, Gunsmiths, and Hunters**  
**June 22-26, 2015  Mon-Fri 8-5**  
**Cost $375**

The class offers hands on experience in Pen Making. You will learn the basics in turning pen blanks, finishing, and assembly of the kits, to a finished product. This course will also teach the different materials you can make pens with such as, specialty woods, antlers, acrylics, metals and other lesser known materials. Pen making can be profitable for a small specialty business and great for hobbyist and are great gifts. After this course you will have all the knowledge needed to set-up your own work shop and begin making pens for fun or profit.  
**DAVID W. FARRELL** graduated for Trinidad State junior College in Gunsmithing and has a Bachelors and Master’s degree in Technical and Vocational Education from C.S.U. He has an extensive background in woodworking, metal working, and has been making pens for many years. He has operated an gun shop and makes his pens and sells them throughout the world. David currently lives in the Orlando, Florida area.  
david @thorpeneterprises.com   407-222-1566 cell

David Farrell

**SUPPLY LIST**
The following supplies and equipment can be purchased through Pen State Industries and I have included item numbers, prices and descriptions for each item.

Those of you on a budget I will have multiple items for you to use in the class.

I will also have pen kits available for you in the course and are very reasonable priced. You do not have to purchase pen kit from the supply list supplier; mine are much better priced. I will have Bolt Action Penn Kits, .30 Caliber Pen Kits, basic Twist Pen Kits and others available. If you see any specialty kit on the web site you may purchase them for the class.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-BASIC PEN MAKING MANDREL / # 2 Morse Taper / # PKMS2SET</td>
<td>1</td>
<td>$27.95</td>
</tr>
<tr>
<td>7-PIECE UNIVERSAL BARREL TRIMMING SYSTEM / # PKTRIMKIT</td>
<td>1</td>
<td>$35.95</td>
</tr>
<tr>
<td>1&quot; CAPACITY PEN BLANK DRILLING CHUCK / # CSCPENCHK</td>
<td>1</td>
<td>$79.95</td>
</tr>
<tr>
<td>1- BOTTLE OF PEN MAKERS C.A. SUPER GLUE / # PKGLUE61</td>
<td>1</td>
<td>$9.95</td>
</tr>
<tr>
<td>1- can of RUST-OLEUM Spray Lacquer Finish ( at Wal-Mart for $4.95)</td>
<td>1</td>
<td>$4.95</td>
</tr>
<tr>
<td>1 EACH 7MM AND 10 MM BRAD POINT DRILL / #PKABP7MM &amp; #PKABP10MM</td>
<td>1 EACH</td>
<td>$12.95 &amp; $18.95</td>
</tr>
<tr>
<td>1-8 PIECE HSS LATHE CHISEL SET / #LCHSS8</td>
<td>1</td>
<td>$69.95</td>
</tr>
<tr>
<td>I-SET OF 9 MICRO MESH PADS / #MMESHPADS9</td>
<td>1</td>
<td>$24.95</td>
</tr>
</tbody>
</table>

Some of these item can be purchased at Harbor Freight at significant savings  ( CA glue $ 3.99 / Brad point drills much less / # 2 Morse taper drill chuck around $ 12.00 / a set of 4 center drills $5.00

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**Introductory Hand Engraving**  
**June 22-26, 2015 Mon-Fri 8-5**  
**Cost $380**

**Note** In order for this course to meet the requirements for the Gunsmithing Arts Certificate, classes will run longer each day. Students should report for orientation at 8 a.m. Monday morning. Dr. Pierson will discuss extended class time at the beginning of the course.

This course covers basic concepts and skills related to hammer and chisel engraving. Special emphasis will be placed on tool sharpening, pattern theory, designing, transferring, and cutting patterns.  
**Dr. Michael J. Pierson** has been an academic administrator and taught technical subjects in a university setting for over 35 years. He has been engraving for 24 years, was trained by Frank Hendricks, and is a member of the Firearms Engraver’s Guild of America. He is proficient with both the hammer and chisel and pneumatic engraving techniques and a wide variety scroll patterns.
Introductory Hand Engraving
Tool List

**Required tools and supplies:**
1. Chasing hammer, 1-1/8" face from NGraver or GRS
2. Four 3/32” carbalt XD blanks from Lindsay
3. #7, #12, #20 straight liners in standard width from NGraver or #18-10 and #24-10 straight liners from GRS
4. Steel ruler, 6 inch
5. Dividers
6. Scribe
7. Ellipse template #20750 from Drafting Steals
8. Circle template #20724 from Drafting Steals
9. Stabilio # 8008 pencil from Amazon
10. Curved burnisher from Amazon
11. Dot punch set, No. 1,2,3 from NGraver or beading tool #10, #15, and #22 from GRS
12. Optivisor, #3 lens from GRS
13. Talcum powder
14. Clear packaging tape
15. Money clip, nickel silver spring tempered from Ngraver
16. One tube of oil based black etching ink from Faust or Eckersleys
17. Stainless tool holder for 3/32” graver blanks from Lindsay
18. Wet/dry silicon carbide sandpaper (220,320, & 400 grit)
19. Palm push adjustable length graver from Lindsay
20. 3/16” brass punch from MSC
21. 3/16” steel punch from MSC
22. Carbide bur set #004-511 from GRS

**Contact information for tool and supply sources:**
- GRS Tools
  Web site: [www.grstools.com](http://www.grstools.com)
- The Ngraver Company
  Web site: Ngraver.com
- Lindsay Engraving and Tools
  Web site: Lindsayengraving.com
- Rudolph Faust, Inc.
  Web site: faustink.com
OUTLINE OF COURSE CONTENT:

I. Engraving tools
   A. Types
   B. Sharpening

II. Pattern theory
   A. Spiral type
      1. Circular
      2. Elliptical
   B. Spiral characteristics
      1. Corridor type
         a. True corridors
         b. Holding corridor
      2. Relationship to other spirals
         a. Common stem spirals
         b. Overlaid spirals
   C. Spiral measurements
      1. Spiral height
      2. Corridor height
      3. Extension length
      4. Standoff
      5. Number of turns
      6. Angle of departure
   D. Leaf anatomy
      1. Leaf types
         a. Adjacent
         b. Separated
      2. Leaf parts
         a. Sweeps
         b. Buds
         c. Lobes
      3. Leaf measurements
         a. Leaf height
         b. Stem thickness
         c. Sweep height
         d. Bud height
         e. Leaf meter
         f. Leaf width
         g. Leaf separation

III. Designing patterns
    A. Selecting scroll style
    B. Laying out the pattern
       1. Outline the panel
       2. Establish the panel’s center line
       3. Draw planning circles
       4. Establish point of origination
5. Establish scroll height, corridor height, and rate of turn

IV. Cutting patterns
A. Hammer and chisel or chasing method
B. Borders
C. Lining
D. Backgrounds
   1. Flush
   2. Relief
E. Transfer plates
F. Transfer techniques

**********************************************************************************

Hat Making
June 22-26, 2015  Mon-Fri  8-5
Cost  $380

Students will learn to use the equipment and techniques to make a hat with products that most people have or can readily get from home. Students will learn how to shape the hat by hand, ironing of the brim, sizing and hand cutting of the brim, hand pouncing and hand finishing the crown. If time allows, the class may touch on hat binding and trim by hand. Students will leave class with a completed hat and the skills needed to practice what they learned at home and make additional hats with supplies they have on hand.

Tom Hirt is old-fashioned guy who does things the old fashioned way. You might call him a throw-back to a bygone era-that time when h and cowboys and craftsmen took care of business with their hands. Hirt continues that tradition to this day as a hat maker who makes superior-quality beaver felt hats one at a time by hand. Known as the hat maker for the movies, he has designed hats for many famous clients including Val Kilmer, Sam Elliot, and Sharon Stone. His credits include Tombstone, the Quick and the Dead, Conagher, and many others. After almost 20 years, he is considered one of the West’s most notable and most established hatters.

http://www.hatsofthewest.com  719-372-9399

Tool/Supply list

Students will need to register no later than April 30th in order to have the block, flange, and body of the hat available for the class. Students should contact Tom at the number above to get a complete list of other supplies [at students expense] they need to bring and provide their hat size for ordering the block, etc.
Advanced Hand Engraving
June 29-July 3, 2015  Mon-Fri 8-5
Cost $380

**Note** In order for this course to meet the requirements for the Gunsmithing Arts Certificate, classes will run longer each day. Students should report for orientation at 8 a.m. Monday morning. Dr. Pierson will discuss extended class time at the beginning of the course.

This course covers advanced concepts and skills related to push engraving and hammer and chisel engraving. Special emphasis will be placed on scroll types, precious metal inlay, bulino and banknote engraving, restoring engraving, and lettering. Students should complete the Introductory Hand Engraving course prior to enrolling Advanced Hand Engraving.

Dr. Michael J. Pierson has been an academic administrator and taught technical subjects in a university setting for over 35 years. He has been engraving for 24 years, was trained by Frank Hendricks, and is a member of the Firearms Engraver’s Guild of America. He is proficient with both the hammer and chisel and pneumatic engraving techniques and a wide variety scroll patterns.

Advanced Hand Engraving
Tool List
Engraving Course Tool List

**Required tools and supplies:**

1. Chasing hammer, 1-1/8" face from NGraver or GRS
2. Four 3/32” carbalt XD blanks from Lindsay
3. #7, #12, #20 straight liners in standard width from NGraver or #18-10 and #24-10 straight liners from GRS
4. Steel ruler, 6 inch
5. Dividers
6. Scribe
7. Ellipse template #20750 from Drafting Steals
8. Circle template #20724 from Drafting Steals
9. Stabilio # 8008 pencil from Amazon
10. Curved burnisher from Amazon
11. Dot punch set, No. 1,2,3 from NGraver or beading tool #10, #15, and #22 from GRS
12. Optivisor, #3 lens from GRS
13. Talcum powder
14. Clear packaging tape
15. Money clip, nickel silver spring tempered from Ngraver
16. One tube of oil based black etching ink from Faust or Eckersleys
17. Stainless tool holder for 3/32” graver blanks from Lindsay
18. Wet/dry silicon carbide sandpaper (220,320, & 400 grit)
19. Palm push adjustable length graver from Lindsay
20. 3/16” brass punch from MSC
21. 3/16” steel punch from MSC
22. Carbide bur set #004-511 from GRS

Contact information for tool and supply sources:
GRS Tools
Web site: www.grstools.com

The Ngraver Company
Web site: Ngraver.com

Lindsay Engraving and Tools
Web site: Lindsayengraving.com

Rudolph Faust, Inc.
Web site: faustink.com

Eckersley’s Arts and Crafts
eckersleys.com

MSC Industrial Supply
Web site: msccdirect.com

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** Structural Welding **

*June 29-July 3, 2015 Mon-Fri 8-5*

**Cost $375**

Covers shielded gas metal arc welding process in all positions on mild carbon steel and safety in the weld shops and field.

**Robert Sanchez** is the full-time welding instructor for TSJC. Prior to working at the college, Robert worked for Topar Welding as a gas field welder. He has been welding since 1998 where he started out as a structural welder working on schools and other buildings.

719-846-5566
www.trinidadstate.edu
robert.sanchez@trinidadstate.edu

Robert Sanchez
Tool list
Welding Gloves, welding sleeves, clear and #5 safety glasses, tape measure, soap stone and holder, 4 ½” grinder with grinding wheels and wire wheels, pliers.

Welding Art
July 6-10, 2015   Mon-Fri 8-5
Cost $375

Outlines the skills needed to set up gas metal arc welding equipment and the safety involved. Also covers skills needed for set up and safety in plasma cutting operations with an emphasis toward artistic fabrications.

Robert Sanchez is the full-time welding instructor for TSJC. Prior to working at the college, Robert worked for Topar Welding as a gas field welder. He has been welding since 1998 where he started out as a structural welder working on schools and other buildings.

719-846-5566
www.trinidadstate.edu
robert.sanchez@trinidadstate.edu

Beginning Cross Stitch
July 8, 2015    1-4 p.m.
Price being finalized – will include supplies needed for class

Have you ever wanted to learn how to do counted cross stitch? Join us for a fun afternoon of learning the basics of reading a pattern and starting a project. During this course you will also learn some tricks to help keep your project looking great and keep track of where you are. If you have done counted cross stitch before and would like to join just for fun you are also welcome. This class will be casual and relaxing.
Instructor: Alana Best
Spur Making
July 13-17, 2015 Mon-Fri 8-5
Cost $380

Students will begin with pattern development and continue through the various processes of spur making. These include jig and fixture design and construction. Fabrication of spur parts, welding, grinding, sanding and finishing. Spurs built in this class should be of a simple design to allow time to complete the project. Prerequisite: Tig welding skills are an asset, however they are not required.

Frank {Buddy} Knight was raised on a ranch south of Marfa, Texas and learned from his father and grandfather to appreciate quality gear. Early on he wanted to work with his hands and spur making was a perfect fit. He built his first pair of spurs in the Vocational Agriculture Shop at Marfa High School when he was fourteen.

His work has been displayed at The Trappings of Texas in The Museum of the Big Bend at Sul Ross State University Alpine, Texas, at The Western Folk Life Center in Elko Nevada, The Cowboy Classic in Phoenix Arizona, and The Trappings on the Llano at the Llano County Historical Museum in Llano, Texas. He demonstrated spur making at the 25th Texas State Folk Life Festival at the Institute of Texan Cultures in San Antonio, Texas.

Today Buddy operates a shop in Marfa, Texas. He produces bits, spurs, silver buckles, jewelry, and some ornamental iron.

List of tools needed for spur making class

1. Jewelers saw
2. 2/0 or 4/0 jewelers saw blades --- about a dozen
3. Assorted files with handles
a. 6” or 8” half round
b. 6” square
c. 6’ or 8” three square slim taper--- 2nd cut
d. 8” or 10” flat
e. 4” half round or flat
f. 8” or 10” round

4. Hack saw
5. Layout dye
6. Scribe
7. Ball peen hammer
8. Stick or spray glue
9. 6” or 12” steel rule

Tools good to have but not necessary
1. Dye grinder with 3/8” radius end burr
2. Dremel tool with 3/8” or ¼” sanding drum and 60 grit sanding bands

**Materials needed to build spurs**

1 Heel band material
   3/16” X ¾” or 1” or 1 ¼ x 8 ¼” long strap
2 Hanger materials
   1/16” x ½” X 3” strap
Rowel blanks ¼”  1”  1 ¼”  1 ½
I buy these thing at:
   Metal Fab Products
   PO Box 14367
   Odessa TX 79768
   432 362 3617

Shank materials
2 options
3/8” X 2” or ½ X 2” mild steel bar stock
Can be purchased at any metal supply store

Button materials
Truss head rivets
¼” X ½” and 5/16” X ½” -- 2 each
I buy rivets at:
   RJ Leahy Co.
   1475 Yosemite Ave.
   San Francisco, CA 94124
   415 861 7161
Beginning Crochet
July 15, 2015  1-4 p.m.
Price being finalized – will include supplies needed for class

Have you ever wanted to learn to crochet? Join us for a fun afternoon of learning the basics of crocheting your first project. We will start with creating a chain and then move into some basic stitches. During this course you will also learn how to read a pattern and finish a piece. If you have crocheted before and would like to join just for fun you are also welcome. This class will be casual and relaxing.
Instructor: Alana Best

Three Piece Buckles
July 20-24, 2015  Mon-Fri 8-5
Cost $380

Students will learn to design and make a steel buckle, keeper and tip. Techniques for mounting decorative designs made of copper, nickel, or brass on buckles or spurs will also be covered.

Frank {Buddy} Knight was raised on a ranch south of Marfa, Texas and learned from his father and grandfather to appreciate quality gear. Early on he wanted to work with his hands and spur making was a perfect fit. He built his first pair of spurs in the Vocational Agriculture Shop at Marfa High School when he was fourteen.
His work has been displayed at The Trappings of Texas in The Museum of the Big Bend at Sul Ross State University Alpine, Texas, at The Western Folk Life Center in Elko Nevada, The Cowboy Classic in Phoenix Arizona, and The Trappings on the Llano at the Llano County Historical Museum in Llano, Texas. He demonstrated spur making at the 25th Texas State Folk Life Festival at the Institute of Texan Cultures in San Antonio, Texas.
Today Buddy operates a shop in Marfa, Texas. He produces bits, spurs, silver buckles, jewelry, and some ornamental iron.

Buddy Knight

Tools
1  6” or 8” half round files
2  6” or 8” flat file
3  Jewelers saw with 2/0, 3/0, or 4/0 saw blades
4  Hacksaw
5  Small ball peen hammer
**Materials**

1. StaSilv or High force 44 solder with flux from Brownells or Indian jewelers supply  
2. 22 gauge nickel silver, copper or brass, sheet from Indian jewelers supply  
3. 22 gauge mild steel sheet from Metal Fab Products in Odessa TX  
4. 16 gauge mild steel sheet  
5. 1/8” steel strap at least 3” wide and 6” long  
6. 5/32” steel rod

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**Internet Safety (Etsy, Amazon, Ebay, etc.)**

**July 21, 2015  9 a.m.-2 p.m.**

**Cost $55**

Learn how to be safe on the Internet. Learn the basics of buying and selling online and other ways to protect yourself from identity theft.

Instructor: Ann Marie Rigdon

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**Basic Drawing**

**July 20-24, 2015  8-5**

2-credit our class – find the cost at:

[http://www.trinidadstate.edu/students/business-office/tuition-rates](http://www.trinidadstate.edu/students/business-office/tuition-rates)

This course investigates the various approaches and media that students need to develop drawing skills and visual perception.

**TOPICAL OUTLINE:**

I. Media and Processes  
   A. Traditional two-dimensional media and processes  
   B. Experimental two-dimensional media and processes

II. Visual Elements  
   A. Line  
   B. Shape  
   C. Value  
   D. Texture  
   E. Space  
   F. Linear and Spatial Perspective

III. Principles of Composition  
   A. Balance  
   B. Scale  
   C. Proportion  
   D. Movement  
   E. Dominance  
   F. Harmony & Rhythm and Repetition  
   G. Unity and Variety
IV. Subject Matter
   A. Representational
   B. Abstract
   C. Non-representational
   D. Historical Perspective
   E. Narrative

V. Professionalism
   A. Criticism and evaluation
   B. Presentation

**Vilas Tonape**, a native of India, recently moved to Trinidad as the new Art faculty at Trinidad State. He has been creating art for over two decades; his work has been exhibited internationally, including venues in New York, Santa Fe, Ontario, Chicago, Bombay, and Los Angeles. Vilas received his BFA in drawing and painting with distinction from Sir J.J. School of Art, University of Bombay, India. He also earned an MFA in Painting from Texas Christian University, Fort Worth, Texas.

![Vilas Tonape](image)

**Supply list**

- Kneaded eraser
- Soft vine charcoal – traditional vine sticks
- Two charcoal pencils – one HB and one 2B
- One blending stump (tortillon)
- One white charcoal pencil
- One long-handle filbert soft-bristle #4 brush (hard bristle)
- About 10 sheets of Felt Gray (or Steel Gray) shade Canson Mi-Teintes Drawing Papers only - standard size 25 x 19 inches.
- Envelope portfolio to hold 18”x 24” (optional)
- Mungyo Gallery Semi-Hard Pastel Sets - Cardboard Box Set of 48

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**Decorative Gun Stock Carving class with Jack Brooks**

**July 20-24, 2015 Mon-Fri 8-5**

**Cost $550**

This five day class will be a study of traditional decorative carving as found on 18th century American flintlock rifles. Students will learn to carve both incise and relief designs in the manner of old masters from Christian's Spring, Lancaster, and Allentown, Pennsylvania. Jack will furnish practice butt stock pieces that each student will carve and be able to take home as future reference. Students will need their own set of carving tools which will be listed below.

**Jack Brooks** was born in Colorado, graduated from Englewood High School in 1966, and attended University of Northern Colorado where he majored in chemistry (BA 1970 and MA 1972). He built his first flintlock rifle in 1971. After working four years as a chemist he began making flintlock rifles full time.
in 1976. Besides making new rifles, pistols, and fowlers; he began collecting and restoring antique Kentucky rifles. This gave Jack the opportunity to study firsthand the finest examples of 18th and 19th century American longrifles. His interest in Kentucky rifles began when a child with Walt Disney's Davy Crockett TV series and John Wayne's movie “The Alamo”. Many years later Jack, along with friends Bob Lienemann and Mike Branson, were asked to make 14 guns for the 2004 remake of “The Alamo” movie. Jack's work has been displayed at The Smithsonian Institute, the NRA Museum, and the Minneapolis Institute of Art. His guns have also been featured in several magazines and books. Jack has authored many magazine articles and has taught several years at the annual Gunsmith Seminar of the National Muzzle Loading Rifle Association.

Jack Brooks

Carving Tool list

Wood carving gouges (Swiss Made from Woodcraft recommended):
- 2mm No. 7
- 4mm No. 7
- 6mm No. 7
- 10mm No. 7
- 18mm No. 7
- 20mm No.5
- 12mm No.3
- 2mm No. 9
- 2mm No. 1
- 5mm No. 1
- 8mm No.1
cabinet scraper
steel hand burnisher
raw hide or wooden mallet
three bench stones for sharpening (coarse, medium, and hard)
leather strop (3” by 12” piece of saddle leather will work)
desk lamp or work light
pencil and paper