



## Welcome!

The following pages are information to help you understand about the Achievement Arrow Workshop. To register, please visit <http://www.TallTimbersDistrict.org>

There will be a check-in at the door so plan to come a little early so you can be settled in before we begin. Bring a lunch and drink as going out will take too long. No children or Scouts may attend due to safety guidelines set up for this workshop and the fact that other training will be happening throughout the location. Thank you for understanding.

We will start promptly at 9:00am and as soon as everyone is checked in, we will have an demonstration and explanation of instructions. After the instructional period you are welcome to stay and build your arrow or you may take your items and complete your arrow at home.

For questions, please feel free to contact:

Ed Dolphin, *Event Chair*  
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713.545.0545

Mike Lampkin, *District Program Chair*  
[mike@lampkin.net](mailto:mike@lampkin.net)  
281-798-5998

## Materials

The following list of items could be combined with other attending parents in your den as some items can easily be shared. Mark your name on anything you bring as you may be sharing with other tables.

### Supplies to Bring:

- |  |  |
|--|--|
| <input type="checkbox"/> Sharp lead pencil                   | <input type="checkbox"/> Regular slip-joint pliers           |
| <input type="checkbox"/> Heavy hunting knife                 | <input type="checkbox"/> Small cutting board                 |
| <input type="checkbox"/> Paper                               | <input type="checkbox"/> Coping saw                          |
| <input type="checkbox"/> Ball point pen                      | <input type="checkbox"/> Dremel® tool                        |
| <input type="checkbox"/> Scissors                            | <input type="checkbox"/> Sharp pocket knife or kitchen knife |
| <input type="checkbox"/> Needle nose pliers                  |  |
| <input type="checkbox"/> Hot glue gun & light extension cord |  |

### Items Supplied:

- |  |  |
|--|--|
| <input type="checkbox"/> Feathers              | <input type="checkbox"/> Paint brushes       |
| <input type="checkbox"/> Hot glue sticks & gun | <input type="checkbox"/> Knocks (arrow ends) |
| <input type="checkbox"/> Arrowhead             | <input type="checkbox"/> Double-faced tape   |
| <input type="checkbox"/> Paints (limited)      | <input type="checkbox"/> Artificial sinew    |
| <input type="checkbox"/> Wooden dowel          |  |



## Preparations

Use this sheet to prepare materials to make your son's arrow. To help you track which awards he has earned, check the box next to the award below. Review his Cub Scout handbooks, uniform or den/pack records to collect this information.



## Color Codes for Standard Achievements

- Bobcat ..... wide Dark Blue band
- Tiger ..... wide Orange band
- Wolf Wide ..... wide Red band
  - 1<sup>st</sup> Wolf Arrow Point ..... narrow Gold band
  - Arrow Points after 1<sup>st</sup> ..... narrow Silver band(s)
- Bear Wide ..... wide Light Blue band
  - 1<sup>st</sup> Bear Arrow Point..... narrow Gold band
  - Arrow Points after 1<sup>st</sup> ..... narrow Silver band(s)
 Quantity: \_\_\_\_\_
- Webelos..... wide Dark Blue/Gold/Dark Blue band
- Webelos Activity Pins ..... narrow Silver band(s)
- Quantity: \_\_\_\_\_
- Arrow of Light Award ..... wide Yellow band

## Color Codes for Optional Achievements

- Texas Award..... wide Red/White/Blue band
- Sports Activity Pins ..... narrow White band for each
- Quantity: \_\_\_\_\_
- Academic Activity Pins ..... narrow Gold band for each
- Quantity: \_\_\_\_\_
- Religious Award..... wide Purple band
- Whittling Chip ..... wide Brown band
- Denner Cord ..... narrow Yellow bands (2)
- World Conservation Award..... wide Green band
- Handicap Awareness Pin ..... wide Light Blue/Gold band
- Webelos Super Achiever Award..... wide Red/Yellow/Blue band
- Outdoor Activity Award ..... wide Light Blue/Yellow/Dark Blue band

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- Conservation Good Turn Award ..... wide Green/Purple band
- Crime Prevention Patch..... wide Red/Dark Blue/Gold band
- Donor Awareness Patch..... wide Purple/Gold band
- Emergency Preparedness Award..... wide Red/White/Red band
- Interpreter Strip..... wide Brown/Red band
- Leave No Trace Patch..... wide Dark Blue/Yellow band
- Physical Fitness Award ..... wide Gold/Red/Gold band
- International Activity Badge ..... wide Dark Blue/Gold/Dark Blue band
- National Summertime Award..... wide Yellow/Dark Blue/Light Blue band
- Pro Archer Certificate ..... wide Gold/Red/Dark Blue band
- Pro Marksman Certificate ..... wide Gold/Dark Blue/Red
- Recruiter Strip..... wide White/Red/White band
- Hornaday Unit Award ..... wide Dark Blue/Green/White band
- Medal of Merit..... wide Dark Blue/Brown/Yellow band
- Herosim Award ..... wide Red/White band
- Honor Medal Award..... wide Red/Gold band
- James E West Fellowship Award ..... wide Green/Yellow/Red band

*Wide bands are approximately 1/4"; Narrow bands are approximately 1/8". Note: You have about 20" painting surface on your arrow. If you are going to use all of the Achievements listed above, you will need to adjust the width of your bands accordingly. These colors and instructions are only recommendations. You may use any colors modifications you prefer.*

## Colors Needed for Your Arrow

Based on the Achievements you've selected above, check off the colors you may for your arrow. You are welcome to bring your own as a limited amount of colored paints will be available.

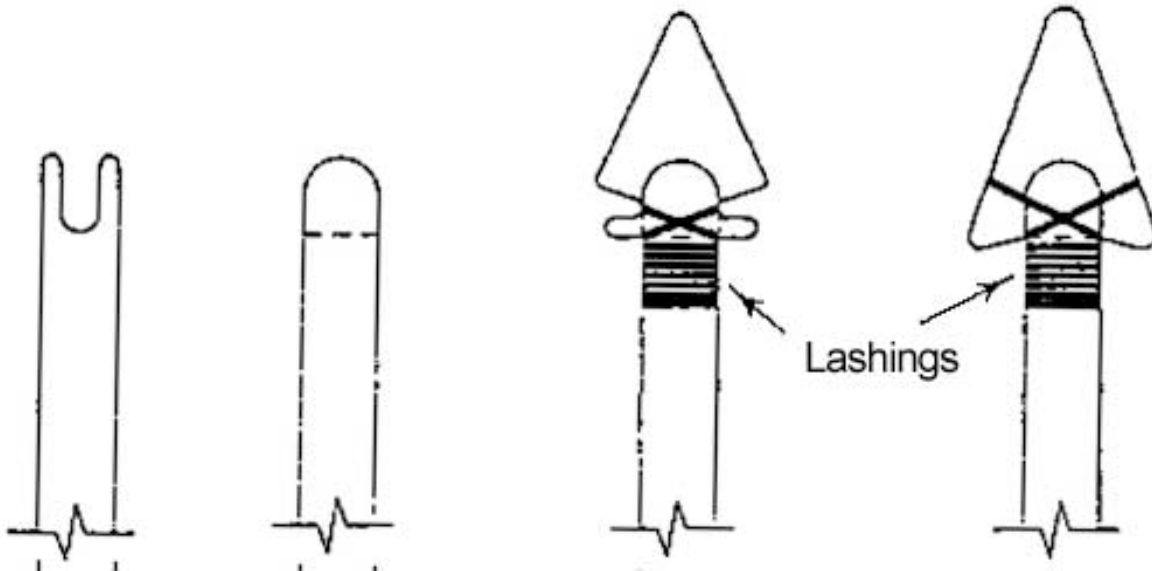
- |                                      |                                 |                                 |
|--------------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> Blue, Dark  | <input type="checkbox"/> Green  | <input type="checkbox"/> Silver |
| <input type="checkbox"/> Blue, Light | <input type="checkbox"/> Orange | <input type="checkbox"/> White  |
| <input type="checkbox"/> Brown       | <input type="checkbox"/> Purple | <input type="checkbox"/> Yellow |
| <input type="checkbox"/> Gold        | <input type="checkbox"/> Red    |                                 |

# Tall Timbers District Achievement Arrow Workshop

## Instructions

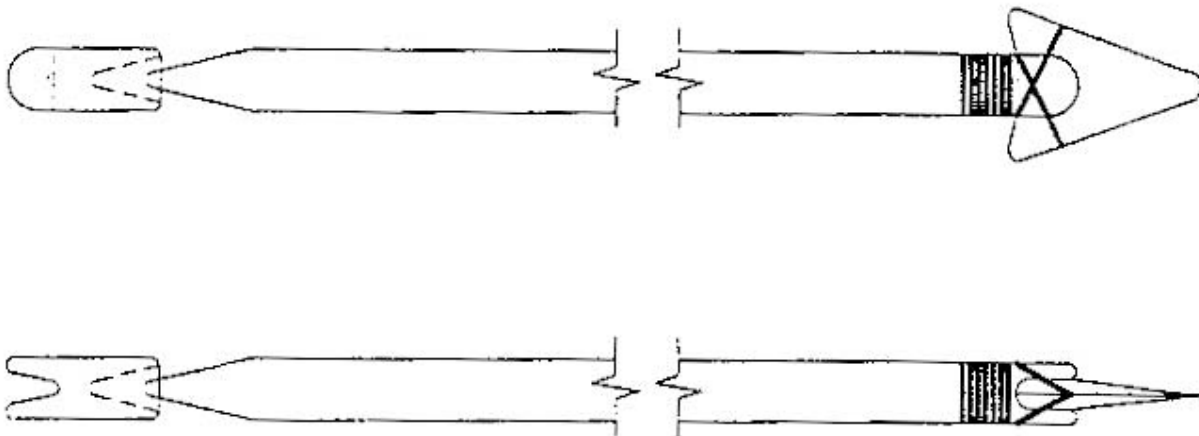
### Step 1

- Notch one end of the arrow shaft enough for the arrowhead to fit snugly.
- Glue the arrowhead into the notch using hot glue.
- Lash the arrowhead in place using the artificial sinew.
- Cut arrow shaft to 30-32" in length.



### Step 2

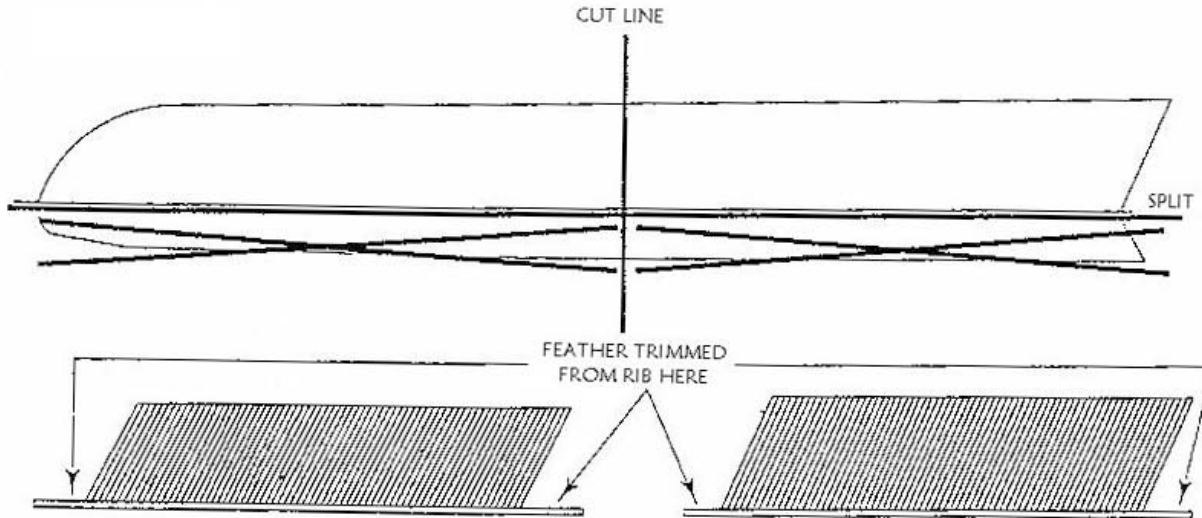
- Taper the other end of the arrow shaft using a file or Dremel® tool so the knock fits straight and snug.
- Attach the knock with hot glue so that the notch in the knock is lined parallel with the arrowhead.



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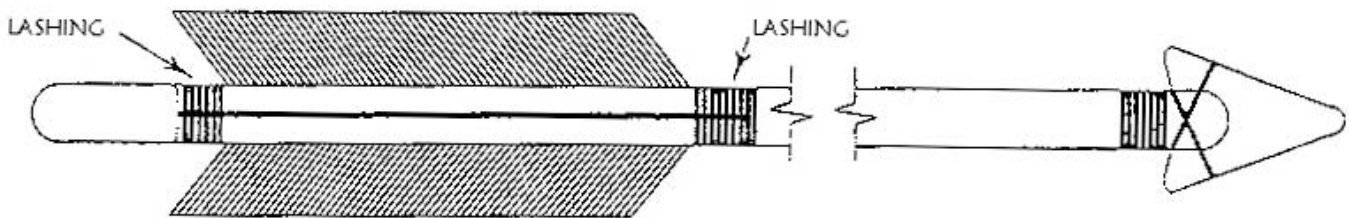
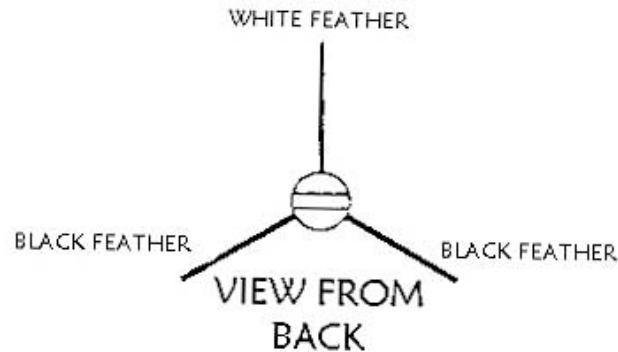
## Step 3

- Trim approximately 1/2" of feather from the rib on each end of the feather half.
- The goal is to have two black and one white feather that curve in the same direction and are approximately the same size and shape.



## Step 4

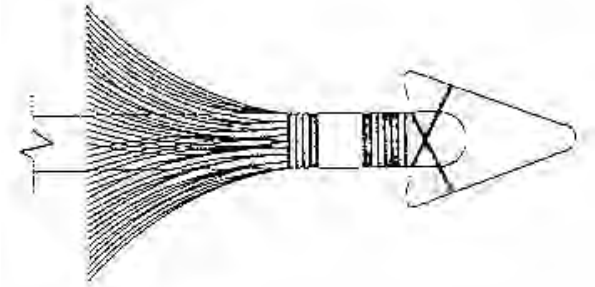
- Using hot glue, attach the white feather so that it is perpendicular to the notch in the knock.
- Attach the black feathers evenly spaced around the arrow from the white feather.
- Lash the feathers on using artificial sinew with the English Whip. (Appendix 1)



# Tall Timbers District Achievement Arrow Workshop

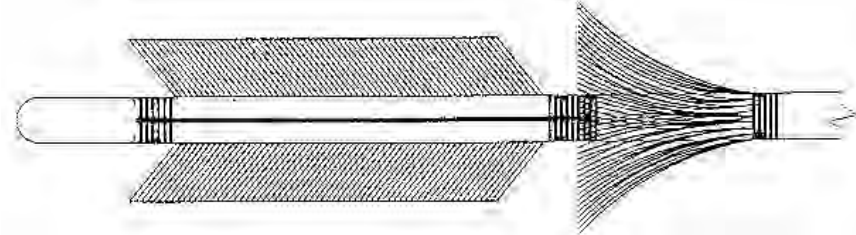
## Step 5

- Using hot glue or double faced tape, attach the hackle feathers 1" to 1 1/2" behind the arrowhead.
- Lash the hackle feathers on using artificial sinew.



## Step 6

- Using hot glue or double faced, attach the hackle feathers 2" to 3" in front of the primary flight feathers (black and white feathers).



## Step 7

- Paint the arrow as shown in the attached diagram (Appendix 2) and with the colors indicated on the color code sheet.

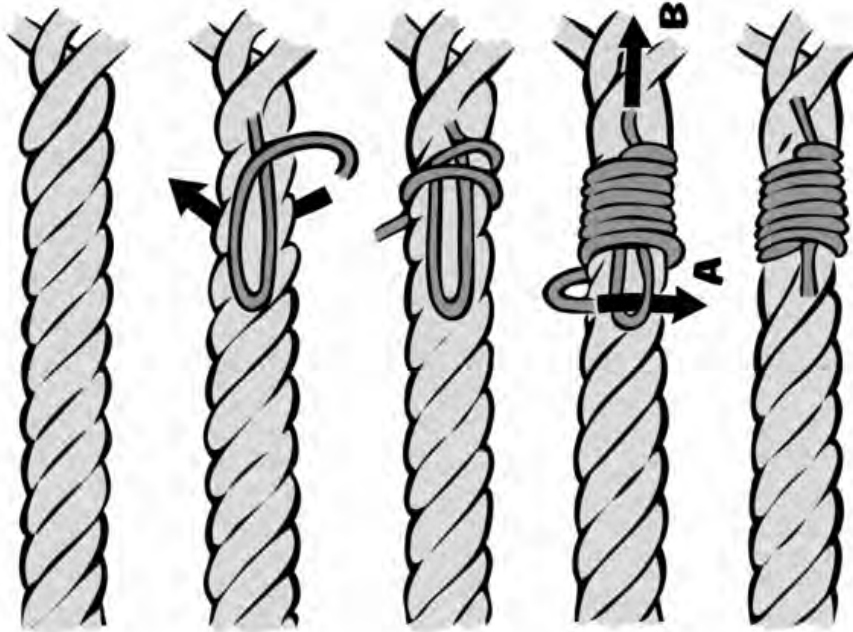
## Step 8

- Paint the knock.

*Congratulations – you are finished! Your son will appreciate the time and love you put into this project for him. Good luck with boy scouts and your new troop!!*

## Appendix 1: English Whipping

Make twine into a loop and place it at the end of the rope. Wrap the twine tightly around the rope. When whipping is as wide as the rope is thick, slip the end through the loop, pull hard, and trim off the twine.



# Tall Timbers District Achievement Arrow Workshop

## Appendix 2: Coloring Your Arrow

The illustration to the right is simply an example of how you can paint your arrow. Your arrow will have a different series of lines and your lines may be thicker or thinner as you need.

One suggestion is to use the checklist at the beginning of this handout to mark which stripes you expect to have. Then before painting, you should measure and mark with a pencil your expected stripes on your arrow shaft so that you will be sure to fit all of the needed stripes.

