



# Archery

## Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33216. Merit Badge Workbooks and much more are below: [Online Resources](#).

Workbook developer: [craig@craiglincoln.com](mailto:craig@craiglincoln.com). Requirements revised: 2011, Workbook updated: January 2012.

Scout's Name: \_\_\_\_\_ Unit: \_\_\_\_\_

Counselor's Name: \_\_\_\_\_ Counselor's Ph #: \_\_\_\_\_

### 1. Do the following:

#### a. State and explain the Range Safety Rules:

1. Three safety rules when on the shooting line

Rule: \_\_\_\_\_

Explanation: \_\_\_\_\_

Rule: \_\_\_\_\_

Explanation: \_\_\_\_\_

Rule: \_\_\_\_\_

Explanation: \_\_\_\_\_

2. Three safety rules when retrieving arrows

Rule: \_\_\_\_\_

Explanation: \_\_\_\_\_

Rule: \_\_\_\_\_

Explanation: \_\_\_\_\_

Rule: \_\_\_\_\_

Explanation: \_\_\_\_\_

3. The four whistle commands used on a range and their related verbal commands

Whistle Command: \_\_\_\_\_

Verbal Command: \_\_\_\_\_

Whistle Command: \_\_\_\_\_

Verbal Command: \_\_\_\_\_

Whistle Command: \_\_\_\_\_

Verbal Command: \_\_\_\_\_

Whistle Command: \_\_\_\_\_

Verbal Command: \_\_\_\_\_

**b. State and explain the general safety rules for archery.** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Demonstrate how to safely carry arrows in your hands..** \_\_\_\_\_

**c. Tell about your local and state laws for owning and using archery tackle.** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**2. Do the following:**

**a. Name and point to the parts of an arrow.**



**b. Describe three or more different types of arrows.**

Type & Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Type & Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Type & Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Type & Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**c. Name the four principle materials for making arrow shafts.**

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

**d. Make a complete arrow from a bare shaft.** \_\_\_\_\_

**e. Explain how to properly care for and store arrows.** \_\_\_\_\_

\_\_\_\_\_

**3. Do the following:**

**a. Explain how to properly care for and store tabs,** \_\_\_\_\_

arm guards, \_\_\_\_\_

shooting gloves, \_\_\_\_\_

and quivers. \_\_\_\_\_

**b. Explain the following terms: cast,** \_\_\_\_\_

draw weight, \_\_\_\_\_

string height (fistmele), \_\_\_\_\_

aiming, \_\_\_\_\_

spine, \_\_\_\_\_

mechanical release, \_\_\_\_\_

freestyle, \_\_\_\_\_

and barebow. \_\_\_\_\_

**c. Make a bowstring.** \_\_\_\_\_

**4. Explain the following:**

**a. The importance of obedience to a range officer or other person in charge of a range** \_\_\_\_\_

\_\_\_\_\_

**b. The difference between an end** \_\_\_\_\_

\_\_\_\_\_

**and a round** \_\_\_\_\_

\_\_\_\_\_

**c. The differences among field,** \_\_\_\_\_

\_\_\_\_\_

**target,** \_\_\_\_\_

\_\_\_\_\_

**and 3-D archery** \_\_\_\_\_

\_\_\_\_\_

**d. How the five-color National Archery Association (NAA) or Federation Internationale de Tir a l'Arc (FITA) target is scored** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**e. How the National Field Archery Association (NFAA) black and-white field targets** \_\_\_\_\_

\_\_\_\_\_

**and blue indoor targets are scored** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**f. The elimination system used in Olympic archery competition** \_\_\_\_\_

\_\_\_\_\_

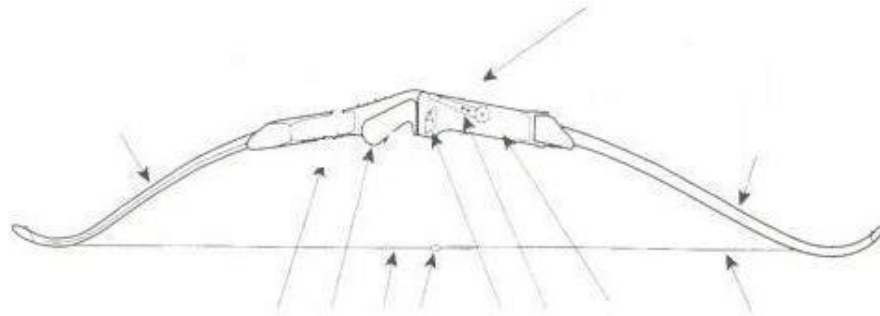
\_\_\_\_\_

\_\_\_\_\_

**5. Do ONE of the following options:**

**Option A-Using a Recurve Bow or Longbow**

**a. Name and point to the parts of the recurve or longbow you are shooting.**



**b. Explain how to properly care for and store recurve bows and longbows.** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**c. Show the nine steps of good shooting for the recurve bow or longbow you are shooting.**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_

**d. Demonstrate the proper way to string a recurve bow or longbow.**

**e. Locate and mark with dental floss, crimp-on, or other method, the nocking point on the bowstring of the bow that you are using.**

**f. Do ONE of the following:**

**1. Using a recurve or longbow and arrows with a finger release, shoot a single round of ONE of the following BSA, NAA, or NFAA rounds:**

- |  |                                      |             |
|--|--------------------------------------|-------------|
| a. An NFAA field round of 14 targets and make a score of 60 points     | <input type="checkbox"/> Date: _____ | Score _____ |
| b. A BSA Scout field round of 14 targets and make a score of 80 points | <input type="checkbox"/> Date: _____ | Score _____ |
| c. A Junior 900 round and make a score of 180 points                   | <input type="checkbox"/> Date: _____ | Score _____ |
| d. A FITA/NAA indoor* round I and make a score of 80 points            | <input type="checkbox"/> Date: _____ | Score _____ |
| e. An NFAA indoor* round and make a score of 50 points                 | <input type="checkbox"/> Date: _____ | Score _____ |

**OR**

2. Shooting 30 arrows in five-arrow ends at an 80-centimeter (32-inch) five-color target at 15 yards and using the 10 scoring regions, make a score of 150.

**OR**

3. As a member of the NAA's Junior Olympic Development Program (JOAD), qualify as a Yeoman, Junior Bowman, and Bowman.

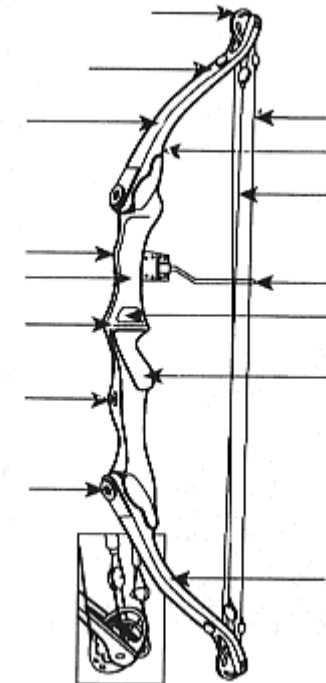
**OR**

4. As a member of the NFAA's Junior Division, earn a Cub or Youth 100-score Progression Patch.

\* The indoor rounds may be shot outdoors if this is more convenient.

**Option B-Using a Compound Bow**

**a. Name and point to the parts of the compound bow you are shooting.**



**b. Explain how to properly care for and store compound bows.** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**c. Show the nine steps of good shooting for the compound bow you are shooting.**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

d. Explain why it is necessary to have the string on a compound bow replaced at an archery shop. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

e. Locate and mark with dental floss, crimp on, or other method, the nocking point on the bowstring of the bow that you are using.

f. Do ONE of the following:

1. Using a compound bow and arrows with a finger release, shoot a single round of one of the following BSA, NAA, or NFAA rounds:

- |  |                          |             |             |
|--|--------------------------|-------------|-------------|
| a. An NFAA field round of 14 targets and make a score of 70 points     | <input type="checkbox"/> | Date: _____ | Score _____ |
| b. A BSA Scout field round of 14 targets and make a score of 90 points | <input type="checkbox"/> | Date: _____ | Score _____ |
| c. A Junior 900 round and make a score of 200 points                   | <input type="checkbox"/> | Date: _____ | Score _____ |
| d. A FITA/NAA indoor* round I and make a score of 90 points            | <input type="checkbox"/> | Date: _____ | Score _____ |
| e. An NFAA indoor* round and make a score of 60 points                 | <input type="checkbox"/> | Date: _____ | Score _____ |

**OR**

2. Shooting 30 arrows in five-arrow ends at an 80-centimeter (32-inch) five-color target at 10 yards and using the 10 scoring regions, make a score of 170.

**OR**

3. As a member of the NAA's Junior Olympic Development Program (JOAD), qualify as a Yeoman, Junior Bowman, and Bowman.

**OR**

4. As a member of the NFAA's Junior Division, earn a Cub or Youth 100-score Progression Patch.

\* The indoor rounds may be shot outdoors if this is more convenient.

**Online Resources** (Use any Internet resource with caution and only with your parent's or guardian's permission.)

**Boy Scouts of America:** ► [scouting.org](http://scouting.org) ► [Guide to Safe Scouting](#) ► [Age-Appropriate Guidelines](#) ► [Safe Swim Defense](#)  
 ► [Scout](#) ► [Tenderfoot](#) ► [Second Class](#) ► [First Class](#) ► [Rank Videos](#) ► [Safety Afloat](#)

**Boy Scout Merit Badge Workbooks:** [usscouts.org](http://usscouts.org) -or- [meritbadge.org](http://meritbadge.org) **Merit Badge Books:** [www.scoutstuff.org](http://www.scoutstuff.org)

### **Requirement Resources**

These resources and much more are at: <http://meritbadge.org/wiki/index.php/Archery>

1 - 5. [Venturing Powderhorn](http://www.srdscouts.org) has similar Rules, Whistle Commands, Bow Diagrams, Stances, etc. from <http://www.srdscouts.org>

[Encarta Encyclopedia: Archery](#)

1. [Guide to Safe Scouting:Guns and Firearms](#)

[Archery Safety Rules - another source](#)

[Lesson Video: Safety](#) - [Lesson Video: More Safety](#)

2. The arrow diagram you need is in the [Archery Worksheet](#).

[Arrows](#) - [Parts of an Arrow](#) From South Carolina Hunter Education; also has illustrations and extensive information

3. [Archery Equipment](#) - [Fletching](#) - [Quiver](#) - [Wood used for making bows](#)

[Lesson Video: Gear](#)

4. [Field, Target, & 3-D, Archery draw Bow draw](#)

5. **Archery Skills:**

[Lesson Video: Stance](#) - [Lesson Video: Release](#) - [Lesson Video: Scoring](#)

**5. Organizations:**

[National Archery Association](#) - [National Field Archery Association](#) - [International Archery Federation \(FITA\)](#)

5. **OPTION A(a)** The recurve bow diagram you need is in the [Archery Worksheet](#).

[Longbow](#) - [Laminated bow](#) - [Recurve bow](#) - [Composite bow](#)

5. **OPTION B(a)** The compound bow diagram you need is in the [Archery Worksheet](#).

[Compound bow](#)