



# 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 #33215. Merit Badge Workbooks and much more are below: [Online Resources](#).

Workbook developer: [craig@craiglincoln.com](mailto:craig@craiglincoln.com). Requirements revised: 2009, Workbook updated: January 2009.

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 range 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 \_\_\_\_\_

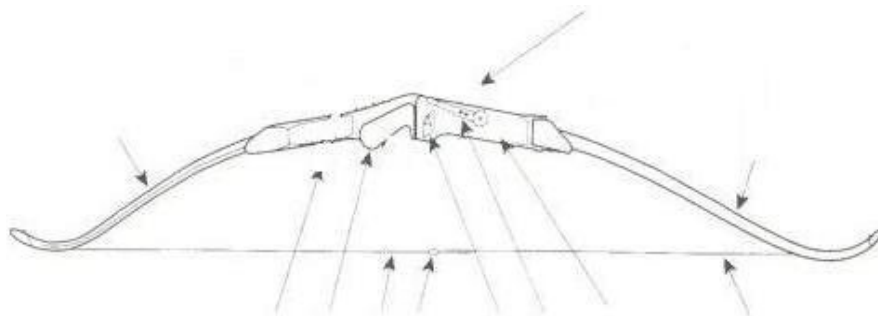
and blue indoor targets are scored \_\_\_\_\_

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 10 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.

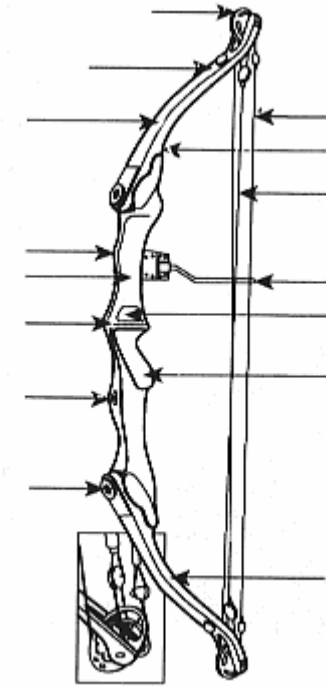
**OR**

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 at your own risk. Not recommended or endorsed. Content and links may change at any time.)

**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](#) 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](#)