



# Archery

## Ten Ring Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book).

Requirements revised: 2018, Workbook updated: October 2018.

The requirements shown in **RED** will be done at the class/range.

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

Unit: \_\_\_\_\_

### **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 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. Do one of the following:**

- 1. **Make a complete arrow from a bare shaft using appropriate equipment available to you.**

**Or**

- 2. **To demonstrate arrow repair, inspect the shafts and prepare and replace at least three vanes, one point, and one nock. You may use as many arrows as necessary to accomplish this. The repairs can be done on wood, fiberglass, or aluminum arrows.**

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**3. Do the following:**

**a. Explain the proper use, care, and storage of, as well as the reasons for using**

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 using appropriate materials.**

**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 World Archery Federation target is scored**

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

**e. How to score National Field Archery Association (NFAA)**

black and-white field targets \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

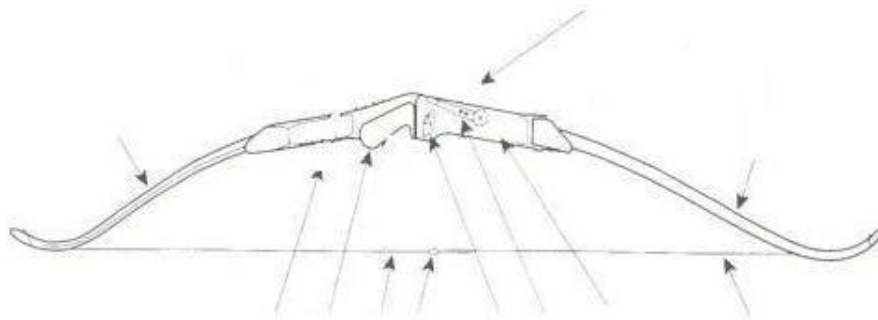
blue indoor targets \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

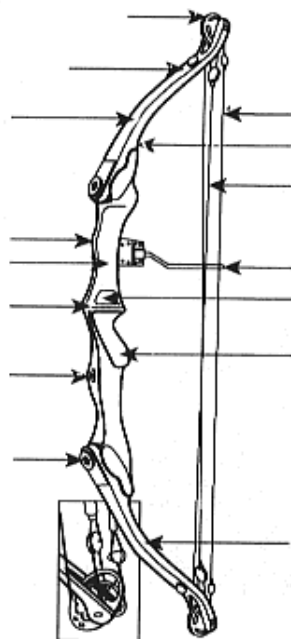
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**5. Do the following:**

**a. Name the parts of the recurve bow or longbow.**



**Name the parts of a compound bow.**



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

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

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

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

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

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

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**e. Using a bow square, locate and mark with dental floss, crimp-on, or other method, the nocking point on the bowstring.**

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

1. With a long, recurve or universal bow, shoot 30 arrows in five-arrow ends at an 80-centimeter (32-inch) five-color target at 30 feet, or at a 60-centimeter (24-inch) five-color target at 23 feet and using the 10 scoring regions, make a minimum score of 150.

Or

2. With a compound bow, shoot 15 arrows in five-arrow ends at an 80-centimeter (32-inch) five-color target at 30 feet, or at a 60-centimeter (24-inch) five-color target at 23 feet AND shoot 15 arrows in five-arrow ends at an 80-centimeter (32-inch) five-color target at 45 feet, or at a 60-centimeter (24-inch) five-color target at 34 feet; both using the 10 scoring regions, make a minimum score of 160.