



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.

Requirements revised: 2009, Workbook updated: February 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 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 _____

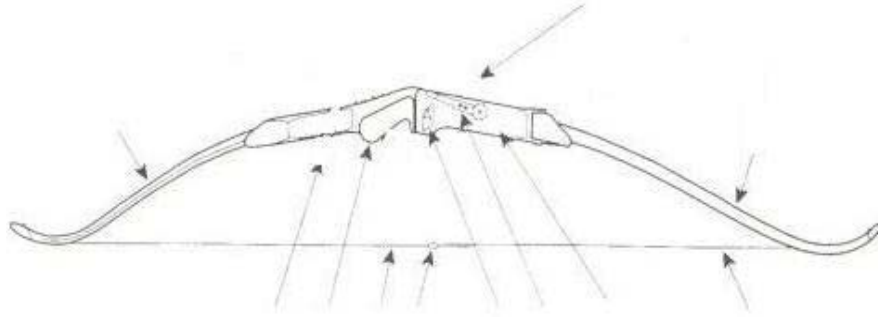
and blue indoor targets are scored _____

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.

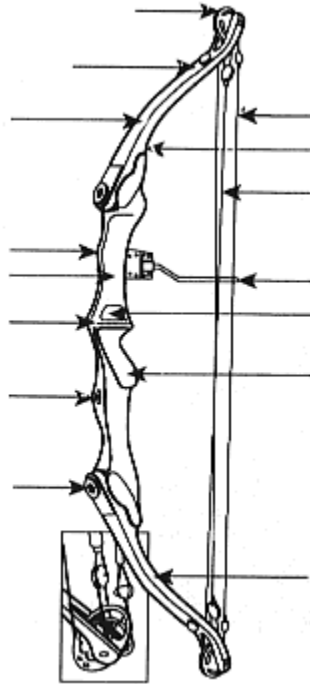
OR

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 any Internet resource with caution and only with your parent's or guardian's permission.)

Boy Scouts of America: ► 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 -or- meritbadge.org **Merit Badge Books:** 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](#)