



# Archery

## Merit Badge Workbook



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

This Workbook can help you organize your thoughts as you prepare to meet with your merit badge counselor.

You still must satisfy your counselor that you can demonstrate each skill and have learned the information.

You should use the work space provided for each requirement to keep track of which requirements have been completed, and to make notes for discussing the item with your counselor, not for providing full and complete answers.

If a requirement says that you must take an action using words such as "discuss", "show", "tell", "explain", "demonstrate", "identify", etc, that is what you must do.

**Merit Badge Counselors may not require the use of this or any similar workbooks.**

No one may add or subtract from the official requirements found in Boy Scout Requirements (Pub. 33216 – SKU 621535).

The requirements were last issued or revised in 2016 • This workbook was updated in September 2016.

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

Counselor's Name: \_\_\_\_\_ Counselor's Phone No.: \_\_\_\_\_

<http://www.USScouts.Org> • <http://www.MeritBadge.Org>

Please submit errors, omissions, comments or suggestions about this **workbook** to: [Workbooks@USScouts.Org](mailto:Workbooks@USScouts.Org)  
Comments or suggestions for changes to the **requirements** for the **merit badge** should be sent to: [Merit.Badge@Scouting.Org](mailto:Merit.Badge@Scouting.Org)

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:	

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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:	

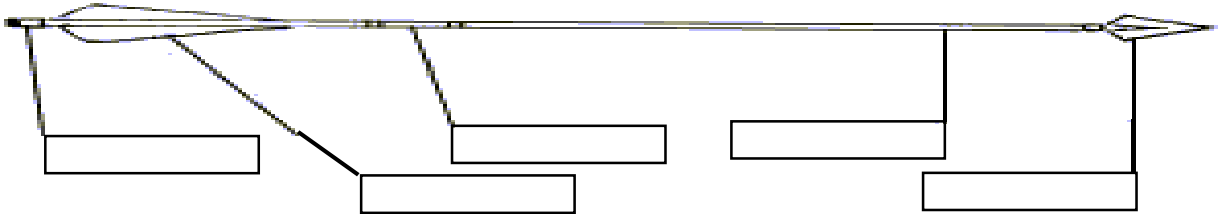
b. State and explain the general safety rules for archery.


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. Do ONE of the following:

a. Make a complete arrow from a bare shaft using appropriate equipment available to you.  
OR

b. 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.

    Tabs:


    Arm guards:


    Shooting gloves:


    Quivers:


- b. Explain the following terms: cast, draw weight, string height (fistmele), aiming, spine, mechanical release, freestyle, and barebow.

Cast:


Draw weight:


String height (fistmele):


Aiming:


Spine:


Mechanical release:


Freestyle:


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 Federation Internationale de Tir à 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.

Black and-white field targets:

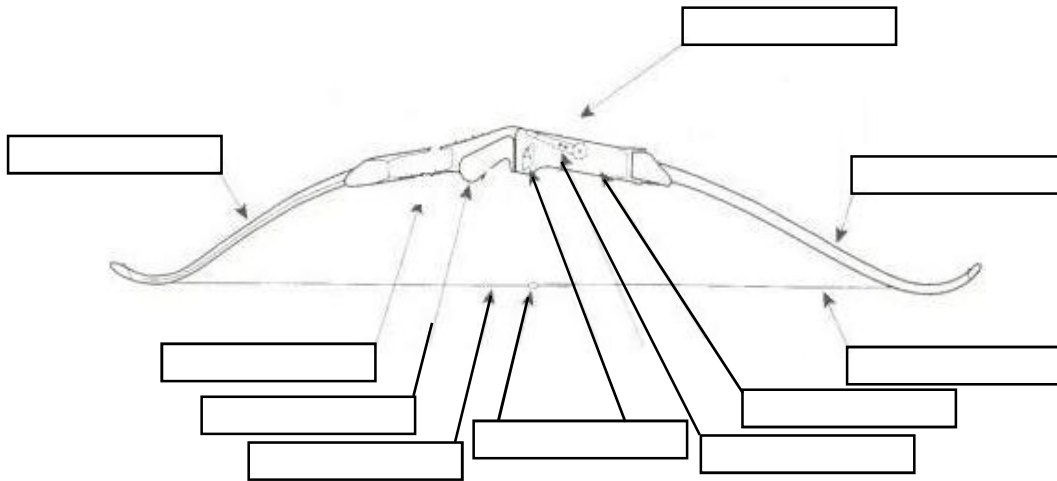
Blue indoor targets:


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 bow or longbow you are shooting.



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


c. Show the 10 steps of good shooting for the bow you are shooting.

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- d. Demonstrate the proper way to string a recurve bow or longbow.
- e. Using a bow square, 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 bow or longbow and arrows with a finger release, shoot a single round of ONE of the following BSA, USA Archery, or NFAA rounds:
- a. An NFAA field round of 14 targets and make a score of 60 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
- b. A BSA Scout field round of 14 targets and make a score of 80 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
- c. A Junior 900 round and make a score of 180 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
- d. An FITA/USA Archery indoor round I and make a score of 80 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
- e. An NFAA indoor round and make a score of 50 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_

(The indoor rounds may be shot outdoors if this is more convenient.)

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. Date: \_\_\_\_\_ Score \_\_\_\_\_

OR

3. As a member of the NAA's Junior Olympic Archery Development program (JOAD), achieve the level of green, purple, and gray stars as part of a JOAD Club indoor or outdoor season with your chosen style of archery equipment

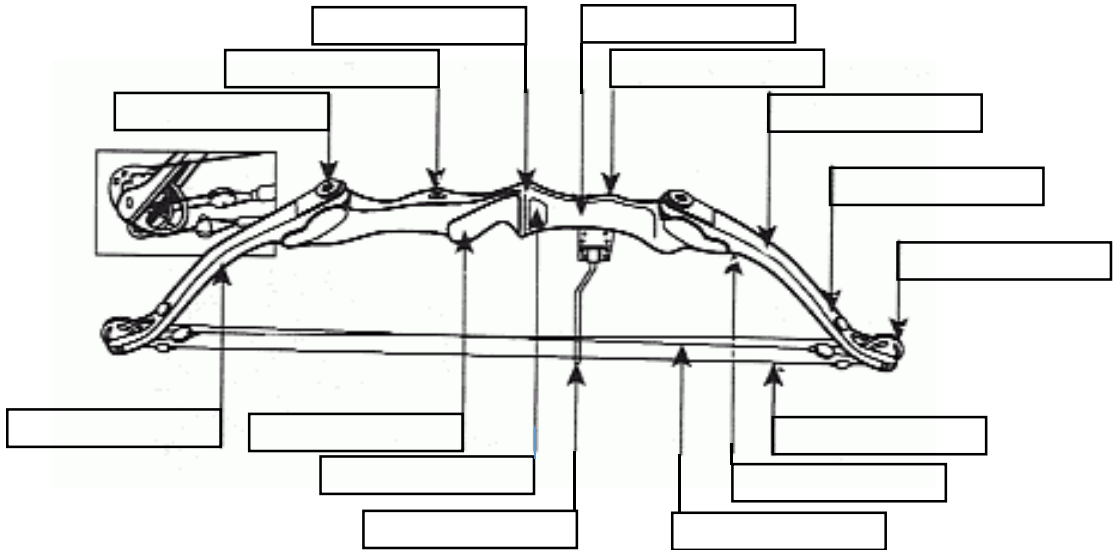
OR

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



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 10 steps of good shooting for the bow you are shooting.

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- d. Explain why it is necessary to have the string or cable 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, USA Archery, or NFAA rounds.
  - a. An NFAA field round of 14 targets and make a score of 70 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
  - b. A BSA Scout field round of 14 targets and make a score of 90 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
  - c. A Junior 900 round and make a score of 200 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
  - d. An FITA/USA Archery indoor\* round I and make a score of 90 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_
  - e. An NFAA indoor\* round and make a score of 60 points  
Date: \_\_\_\_\_ Score \_\_\_\_\_

(The indoor rounds may be shot outdoors if this is more convenient.)

OR

- 2. Shooting at an 80-centimeter (32-inch) five-color target at 10 yards and using the 10 scoring regions, make a score of 160. Accomplish this in the following manner:  
 Shoot 15 arrows in five-arrow ends, at a distance of 10 yards  
 AND  
 Shoot 15 arrows in five-arrow ends, at a distance of 15 yards.  
 Date: \_\_\_\_\_ Score \_\_\_\_\_

OR

- 3. As a member of the NAA's Junior Olympic Archery Development program (JOAD), achieve the level of green, purple, and gray stars as part of a JOAD Club indoor or outdoor season with your chosen style of archery equipment

OR

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

**Requirement resources can be found here:**  
[http://www.meritbadge.org/wiki/index.php/Archery#Requirement\\_resources](http://www.meritbadge.org/wiki/index.php/Archery#Requirement_resources)

## **Important excerpts from the Guide To Advancement - 2015, No. 33088 (SKU-620573)**

### **[1.0.0.0] — Introduction**

The current edition of the *Guide to Advancement* is the official source for administering advancement in all Boy Scouts of America programs: Cub Scouting, Boy Scouting, Varsity Scouting, Venturing, and Sea Scouts. It replaces any previous BSA advancement manuals and previous editions of the *Guide to Advancement*.

### **[Page 2, and 5.0.1.4] — Policy on Unauthorized Changes to Advancement Program**

**No council, committee, district, unit, or individual has the authority to add to, or subtract from, advancement requirements.** There are limited exceptions relating only to youth members with special needs. For details see section 10, "Advancement for Members With Special Needs".

### **[Page 2] — The "Guide to Safe Scouting" Applies**

Policies and procedures outlined in the *Guide to Safe Scouting*, No. 34416, apply to all BSA activities, including those related to advancement and Eagle Scout service projects.

### **[7.0.3.1] — The Buddy System and Certifying Completion**

A youth member must not meet one-on-one with an adult. Sessions with counselors must take place where others can view the interaction, or the Scout must have a buddy: a friend, parent, guardian, brother, sister, or other relative—or better yet, another Scout working on the same badge—along with him attending the session. If merit badge counseling or instruction includes any Web-based interaction, it must be conducted in accordance with the BSA Social Media Guidelines (<http://www.scouting.org/Marketing/Resources/SocialMedia>). For example, always copy one or more authorized adults on email messages between counselors and Scouts.

When the Scout meets with the counselor, he should bring any required projects. If these cannot be transported, he should present evidence, such as photographs or adult verification. His unit leader, for example, might state that a satisfactory bridge or tower has been built for the Pioneering merit badge, or that meals were prepared for Cooking. If there are questions that requirements were met, a counselor may confirm with adults involved. Once satisfied, the counselor signs the blue card using the date upon which the Scout completed the requirements, or in the case of partials, initials the individual requirements passed.

Note that from time to time, it may be appropriate for a requirement that has been met for one badge to also count for another. See "Fulfilling More Than One Requirement With a Single Activity," 4.2.3.6.

### **[7.0.3.2] — Group Instruction**

It is acceptable—and sometimes desirable—for merit badges to be taught in group settings. This often occurs at camp and merit badge midways, fairs, clinics, or similar events. Interactive group discussions can support learning. The method can also be attractive to "guest experts" assisting registered and approved counselors. Slide shows, skits, demonstrations, panels, and various other techniques can also be employed, but as any teacher can attest, not everyone will learn all the material.

There must be attention to each individual's projects and his fulfillment of *all* requirements. We must know that every Scout—actually and *personally*—completed them. If, for example, a requirement uses words like "show," "demonstrate," or "discuss," then every Scout must do that. It is unacceptable to award badges on the basis of sitting in classrooms *watching* demonstrations, or remaining silent during discussions.

It is sometimes reported that Scouts who have received merit badges through group instructional settings have not fulfilled all the requirements. To offer a quality merit badge program, council and district advancement committees should ensure the following are in place for all group instructional events.

- A culture is established for merit badge group instructional events that partial completions are acceptable expected results.
- A guide or information sheet is distributed in advance of events that promotes the acceptability of partials, explains how merit badges can be finished after events, lists merit badge prerequisites, and provides other helpful information that will establish realistic expectations for the number of merit badges that can be earned at an event.
- Merit badge counselors are known to be registered and approved.
- Any guest experts or guest speakers, or others assisting who are not registered and approved as merit badge counselors, do not accept the responsibilities of, or behave as, merit badge counselors, either at a group instructional event or at any other time. Their service is temporary, not ongoing.
- Counselors agree to sign off only requirements that Scouts have actually and personally completed.
- Counselors agree not to assume prerequisites have been completed without some level of evidence that the work has been done. Pictures and letters from other merit badge counselors or unit leaders are the best form of prerequisite documentation when the actual work done cannot be brought to the camp or site of the merit badge event.
- There is a mechanism for unit leaders or others to report concerns to a council advancement committee on summer camp merit badge programs, group instructional events, and any other merit badge counseling issues—especially in instances where it is believed BSA procedures are not followed. See "Reporting Merit Badge Counseling Concerns," 11.1.0.0.
- There must be attention to each individual's projects and his fulfillment of all requirements. We must know that every Scout—actually and personally—completed them.

It is permissible for guest speakers, guest experts, or others who are not merit badge counselors to assist in the counseling process. Those providing such assistance must be under the direction of a registered and approved counselor who is readily available onsite, and provides personal supervision to assure all applicable BSA policies and procedures—including those related to BSA Youth Protection—are in place and followed.

### **[7.0.3.3] — Partial Completions**

A Scout need not pass all the requirements of one merit badge with the same counselor. It may be that due to timing or location issues, etc., he must meet with a different counselor to finish the badge. The Application for Merit Badge has a place to record what has been finished—a "partial." In the center section on the reverse of the blue card, the counselor initials for each requirement passed. In the case of a partial completion, the counselor does not retain his or her portion of the card. A subsequent counselor may choose not to accept partial work, but this should be rare. A Scout, if he believes he is being treated unfairly, may work with his unit leader to find another counselor. An example for the use of a signed partial would be to take it to camp as proof of prerequisites. Partial completions have no expiration except the Scout's 18th birthday. Units, districts, or councils shall not establish other expiration dates for partial merit badges.

### **[7.0.4.8] — Unofficial Worksheets and Learning Aids**

Worksheets and other materials that may be of assistance in earning merit badges are available from a variety of places including unofficial sources on the Internet and even troop libraries. Use of these aids is permissible as long as the materials can be correlated with the current requirements that Scouts must fulfill. Completing "worksheets" may suffice where a requirement calls for something in writing, but this would not work for a requirement where the Scout must discuss, tell, show, or demonstrate, etc. Note that Scouts shall not be required to use these learning aids in order to complete a merit badge.