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Please submit errors, omissions, comments or suggestions about this **workbook** to: [Workbooks@USScouts.Org](mailto:Workbooks@usscouts.org?subject=Merit%20Badge%20Workbooks)

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)

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1. Safety. Do the following:

a. Explain to your counselor the most likely hazards you may encounter while working with photography and what you should do to anticipate, mitigate, prevent, and respond to these hazards.

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Explain how you would prepare for exposure to environmental situations such as weather, sun, and water.

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⬜ b. Show your counselor your current, up-to-date Cyber Chip.

2. Explain how the following elements and terms can affect the quality of a picture:

a. Light—natural light (ambient/existing), low light (such as at night), and artificial light (such as from a flash)

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| Natural light (ambient/existing): |  |
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| low light  (such as at night |  |
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| artificial light  (such as from a flash) |  |
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b. Exposure-aperture (f-stops), shutter speed, ISO

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| Aperture (f-stops): |  |
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| Shutter speed: |  |
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| ISO |  |
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c. Depth of field

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d. Composition-rule of thirds, leading lines, framing, depth

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| Rule of thirds: |  |
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| Leading lines: |  |
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| Framing: |  |
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| Depth: |  |
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e. Angle of view

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f. Stop action and blur motion

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| Stop Action |  |
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| Blur motion |  |
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g. Timing

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3. Explain the basic parts and operation of a camera

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| Digital_Camera | |
| camera-features | camera-features-top |

Explain how an exposure is made when you take a picture.

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4. Do TWO of the following, then share your work with your counselor.

⬜ a. Photograph one subject from two different angles or perspectives.

⬜ b. Photograph one subject from two different light sources—artificial and natural.

⬜ c. Photograph one subject with two different depth of fields.

⬜ d. Photograph one subject with two different compositional techniques.

5. Photograph THREE of the following, then share your work your counselor

⬜ a. Close-up of a person

⬜ b. Two to three people interacting

⬜ c. Action shot

⬜ d. Animal shot.

⬜ e. Nature shot

⬜ f. Picture of a person—candid, posed, or camera aware

6. Describe how software allows you to enhance your photograph after it is taken.

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Select a photo you have taken, then do ONE of the following, and share what you have done with your counselor.

⬜ a. Crop your photograph.

⬜ b. Adjust the exposure or make a color correction.

⬜ c. Show another way you could improve your picture for impact

7. Using images other than those created for requirements 4, 5 or 6, produce a visual story to document an event to photograph OR choose a topic that interests you to photograph. Do the following:

⬜ a. Plan the images you need to photograph for your photo story.

⬜ b. Share your plan with your counselor, and get your counselor's input and approval before you proceed.

⬜ c. Select eight to 12 images that best tell your story. Arrange your images in order and mount the prints on a poster board, OR create an electronic presentation. Share your visual story with your counselor.

8. Identify three career opportunities in photography.

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| Pick one |  |

and explain to your counselor how to prepare for such a career.

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Discuss what education and training are required, and why this profession might interest you.

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**When working on merit badges, Scouts and Scouters should be aware of some vital information in the current edition of the *Guide to Advancement* (BSA publication 33088). Important excerpts from that publication can be downloaded from** [**http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf**](http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf)**.**

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Comments or suggestions for changes to the **requirements** for the **award** should be sent to: [**Advancement.Team@Scouting.Org**](mailto:Advancement.Team@Scouting.Org)

**A. Cyber Chip Requirements for Grades 6-8**

⬜ 1. Read and sign the Level II Internet Safety Pledge from NetSmartz. (BSA Cyber Chip green card) – Available from BSA

**Internet Safety Pledge**

1. I will think before I post

2. I will respect other people online

3. I will respect digital media ownership

4. I won't meet face-to-face with anyone I meet in the digital world unless I have my parent's permission

5. I will protect myself online.

⬜ 2. Write and sign a personalized contract with your parent or guardian that outlines rules for using the computer and mobile devices, including what you can download, what you can post, and consequences for inappropriate use.

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| General comments |  |
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| What I can download |  |
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| What I can post |  |
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| Consequences for inappropriate use |  |
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⬜ 3. Watch the video “Friend or Fake?”, along with two additional videos of your choosing, to see how friends can help each other to stay safe online. ([www.NetSmartz.org/scouting](http://www.netsmartz.org/scouting))

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|  | Video Name | Date Watched |
| ⬜ | Friend or Fake? |  |
| ⬜ |  |  |
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⬜ 4. As an individual or with your patrol, use the EDGE method and mini lessons to teach Internet safety rules, behavior, and “netiquette” to your troop or another patrol. You are encouraged to use any additional material and information you have researched. Each member of the patrol must have a role and present part of the lesson. (([www.NetSmartz.org/scouting](http://www.netsmartz.org/scouting))

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⬜ 5. Discuss with your unit leader the acceptable standards and practices for using allowed electronic devices, such as phones and games, at your meetings and other Scouting events.

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**B. Cyber Chip Requirements for Grades 9-12**

⬜ 1. Read and sign the Level II Internet Safety Pledge from NetSmartz. (BSA Cyber Chip green card) – Available from BSA

**Internet Safety Pledge**

1. I will think before I post

2. I will respect other people online

3. I will respect digital media ownership

4. I won't meet face-to-face with anyone I meet in the digital world unless I have my parent's permission

5. I will protect myself online.

⬜ 2. Write and sign a personalized contract with your parent or guardian that outlines rules for using the computer and mobile devices, including what you can download, what you can post, and consequences for inappropriate use.

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| Consequences for inappropriate use |  |
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⬜ 3. Discuss with your parents the benefits and potential dangers teenagers might experience when using social media.

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⬜ Give examples of each.

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⬜ 4. Watch three “Real-Life Story” videos to learn the impact on teens. (([www.NetSmartz.org/scouting](http://www.netsmartz.org/scouting))

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|  | Video Name | Date Watched |
| ⬜ |  |  |
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⬜ 5. As an individual or patrol, use the EDGE method and the Teen Volunteer Kit to teach Internet safety rules, behavior, and “netiquette” to your troop or another patrol. You are encouraged to use any additional material and information you have researched. Each member of the patrol must have a role and present part of the lesson. (([www.NetSmartz.org/scouting](http://www.netsmartz.org/scouting))

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⬜ 6. Discuss with your unit leader the acceptable standards and practices for using allowed electronic devices such as phones and games at your meetings and other Scouting events.

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**Note: All Cyber Chips will expire annually. Each Scout will need to “recharge” the chip by going back to the NetSmartz Recharge area. This space will hold new information, news, and a place for the Scout to recommit to net safety and netiquette. Then, with the unit leader, the Scout can add the new date to the Cyber Chip card or certificate.**

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