



Fearful Symmetry

Cub Scout Nova Award Workbook



This workbook can help you but you still need to read the Cub Scout Nova Awards Guidebook.

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

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

No one may add or subtract from the official requirements found in the Cub Scout Nova Awards Guidebook (Pub. 34032 – SKU 614935).

The requirements were issued in 2018 • This workbook was updated in May 2018.

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

Send comments or suggestions for changes to the **requirements** for the **Nova Award** to: Program.Content@Scouting.Org

This module is designed to help you explore how symmetry affects your life each day.

1. Choose A or B or C and complete ALL the requirements.

A. Watch an episode or episodes (about one hour total) of a show that involves symmetry, mirrors, or artistic patterns

What was watched?	Date	Start Time	Duration

Then do the following:

1. Make a list of at least two questions or ideas from what you watched.

1.	
2.	

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- 2. Discuss two of the questions or ideas with your counselor.

1.

2.

- B. Read (about one hour total) about anything that involves symmetry, mirrors, or artistic patterns.

What was read?	Date	Start Time	Duration

Then do the following:

- 1. Make a list of at least two questions or ideas from what you read.

1.

2.

- 2. Discuss two of the questions or ideas with your counselor.

1.

2.

- C Do a combination of reading and watching (about one hour total) about anything that involves symmetry, mirrors, or artistic patterns.

What was watched or read?	Date	Start Time	Duration

Then do the following:

1. Make a list of at least two questions or ideas from what you read and watched.

1.

2.

2. Discuss two of the questions or ideas with your counselor.

1.

2.

- C. Learn about the litema wall decorations from Lesotho and South Africa.
 - 1. Look at some pictures of litema. What does one basic tile look like? In how many ways can you see that tile arranged (turned a different direction, flipped backward, etc)
 - 2. Use clay, paper, or some other material to make a litema of your own.
- D. Learn about the design of Navajo rugs.
 - 1. Look at some pictures of Navajo rugs. Find as many similarities as possible within each rug. Is there a repeated pattern? Is there a mirror image? How many?
 - 2. Using different colors of paper, or other materials, make your own Navajo-like rug.
- E. Learn about Seminole or Miccosukee patchwork designs.
 - 1. Look at some pictures of Seminole or Miccosukee patchwork. Find as many similarities as possible within each piece. What does a basic block of each pattern look like? How many different basic blocks are used in the design?
 - 2. Using different colors of paper, or other materials, make your own Seminole-like patchwork.
- 4. Visit a place where symmetry is important (such as an art exhibit, building site, or printer) or visit with a person who works with symmetry (such as an artist, interior designer, or landscape architect).

- Discuss with your counselor the symmetry or ideas of balance involved...

- 5. Discuss with your counselor how symmetry impacts your everyday life.

The Tyger
By William Blake
 Tyger Tyger, burning bright,
 In the forests of the night;
 What immortal hand or eye,
 Could frame thy fearful symmetry?

When working on Nova and Supernova awards, 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-nova.pdf>. You can download a complete copy of the *Guide to Advancement* .from <http://www.scouting.org/filestore/pdf/33088.pdf>.