Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Astronomy Book

**Purpose**

The purpose of this lab is to create a book showing how all of the parts of the universe are connected. Your book may be any shape or size that you want (between 6”x6” and 12”x12”). Be creative and thorough![[1]](#endnote-1)

Resources you can utilize:

1. <https://solarsystem.nasa.gov/planets/>
2. <http://science.nationalgeographic.com/science/space/solar-system/>

**Procedure**

 **Materials**

1. Notes, science book and previous class assignments
2. Construction paper
3. Colored pens/pencils
4. Additional artistic supplies you choose!
5. You cannot use someone else’s words and copy and paste them, this is PLAGIARISM and will earn you a ZERO. I will sign that I have acknowledged the implications of plagiarism\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(sign)

**Sequence of Steps-Use as a checklist**

In order to receive full credit, astronomy books should include the following:

1. **\_\_\_\_\_\_\_\_\_Front cover**
	1. **\_\_\_\_\_\_\_\_\_Appropriate title**
	2. **\_\_\_\_\_\_\_\_\_Picture(s)**
	3. **\_\_\_\_\_\_\_\_\_Author’s name**
2. **\_\_\_\_\_\_\_\_\_Table of contents**
	1. List all of the main concepts belowand give the page number where it can be found in your astronomy book.
3. **\_\_\_\_\_\_\_\_\_Main Concepts**
	1. For each main concept listed below, clearly address each of the “Components to Include in your Book”.
4. **\_\_\_\_\_\_\_\_\_BIBLIOGRAPHY**
	1. Where you got the information
5. **\_\_\_\_\_\_\_\_\_Back Cover**
	1. Should match front cover in shape, color and size.

|  |  |  |  |
| --- | --- | --- | --- |
| **Main Concept** | **BELOW (2,1,0)** | **Components to Include in your Book (Proficiency)-3** | **Advanced (4)** |
| **Universe** |  | 1. Definition
2. Picture
 |  |
| **Galaxies** |  | 1. Definition
2. Table or Venn diagram comparing and contrasting the 3 types of galaxies.
3. Milky Way (Size, number of stars, picture with location of our solar system)
 |  |
| **Solar System** |  | 1. Definition
2. Steps of solar system formation (Pictures, explanations of pictures).
 |  |
| **Asteroid Belt** |  | 1. Explanation of why the asteroid belt is located where it is.
2. Explanation of what type of planet the asteroid belt would be if it ever came together.
3. Picture
 |  |
| **Earth** |  | 1. Explanation of why the early earth was hit with so many more meteors than the current earth.
2. Explanation of why the earth is the only planet in the solar system that supports life.
3. Picture
 |  |
| **Life Cycle of Stars** |  | 1. Picture and explanation of the stages a star goes through in its life cycle.
2. Picture of the H-R Diagram. Label the three axes and location of each type of star.
 |  |
| **Parallax** |  | 1. Definition
2. Picture illustrating how the Parallax works.
 |  |
| **Agricultural Implication** |  | 1. Identify major natural resources used in agriculture.
2. Explanation of why the earth is the only planet currently suitable for agriculture production.
3. Explanation of how animal breeding cycles (when animals reproduce) are impacted by the rotation of the earth.
 |  |

**Astronomy Book Due: Feb 24, 2017 Total Points Possible: (20 \*2)=40**

**Notes: Points I received: \_\_\_\_\_\_\_\_/40**

1. [↑](#endnote-ref-1)