**Your Star Story**



You will choose one of the following to create: DUE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 CHOICE 1: COMIC BOOK

 CHOICE 2: CHILDREN’S STORYBOOK

For your book format, choose one of the following:

CHOICE 1: LIFE CYCLE OF A MAIN SEQUENCE STAR

CHOICE 2: LIFE CYCLE OF A LOW MASS STAR

CHOICE 3: LIFE CYCLE OF A HIGH MASS STAR

**Must include:**

* Illustrated cover that includes the title of your book, your name, your block #
* Complete Life cycle of the star.
* Explanations/metaphors for movement through cycle **(why does the star change?)**
* Storybook or comic format, including a main character telling the story.
* Pictures; at least one per step in the cycle.
* Typed or extremely neat writing.

**Vocabulary to incorporate:**

* Nuclear fusion
* Hydrogen and helium
* bipolar flows (outflow jets)
* interstellar gas cloud
* gravity and contraction
* gas and dust
* nucleosynthesis
* protostar
* main-sequence star
* size (Solar Masses)
* temperature (Kelvin)
* luminosity (Absolute Magnitude)
* red giant or red super giant
* planetary nebula or supernova
* white dwarf or neutron star or black hole

**Grading Rubric:**

\_\_\_/5 Cover of Book or Cover Sheet for Comic Strip

1. Name / Block
2. Title
3. Illustration

\_\_\_/5 Complete Life cycle of **at least** one type of star.

\_\_\_/20 Detailed explanations/metaphors for movement through the cycle **(why did it change?).**

\_\_\_/5 Pictures; at least one picture per step in the cycle.

\_\_\_/15 All Scientific Vocabulary Included.

 \_\_\_**/50 Total Final Grade**