

Earth Science 11 - Astronomy Art Project

Through illustrations and written work, on a poster board, please expand and answer the questions for each of the following topics covered in this unit. After you have completed your project, please complete the self-assessment on the back of this sheet by checking off if you were growing, proficient, or glowing, for each of the outlined competencies/content areas. Congratulations on being done the first unit of this course!

Topics covered in this unit to include in your summative project...

- 1. Planets** - Label and arrange all 8 planets in the proper order
- 2. Solar System & The Sun** - Describe the solar system - what makes our solar system special?
- 3. Stars** - Analyze the life cycles of a star, distinguish each stage, and examine an H-R diagram
- 4. Constellations** - Question the constellations – shapes in the sky? navigation?? astrology?!
- 5. Moon** - Label the phases of the moon and solar + lunar eclipses
- 6. Earth** - Explain why earth is habitable & how the seasons occur (axis, rotation, & revolution)
- 7. Galaxies & the Universe** - Label the different galaxy shapes – what shape is our galaxy?
- 8. Asteroids** - Classify the other objects in space such as asteroids, meteors, and comets
- 9. Big Bang Theory** - Defend the three supporting reasons the Big Bang Theory is widely accepted

You will have three classes to work on this project, please use your class time effectively!

Supplies provided...

- poster boards
- paint, pencil crayons, markers
- glitter
- glue
- white paper and coloured construction paper

Let me know if there is anything else you need to make your vision come true

*The class chose to do an art project to show their summative knowledge of this unit and created all the topic questions based on Bloom's taxonomy 😊

Single Point Rubric

Name: _____

Competency/Content	Growing	Proficient	Glowing
Formulate a poster board to describe and expand on the astronomy content covered in this unit		I created a poster board with illustrations and written word to showcase my knowledge	
Communicate scientific ideas and information using scientific language and representations		I used scientific language and illustrations related to astronomy to demonstrate my knowledge	
<u>Earth as a unique planet</u> within its solar system		I can describe why earth is a unique planet	
<u>stars</u> as the centre of a solar system		I can describe what star is at the center of our solar system	
impacts of the <u>Earth-moon-sun system</u>		I can explain how the earth, stars, and moon are interconnected	
explain the origin and interactions of <u>Earth and its solar system</u>		I can explain the origin of our universe through the Big Bang Theory	
Demonstrate a sustained intellectual curiosity about a scientific topic		I used my class time effectively to complete this project (even if I did not find the astronomy unit interesting)	

NOTES: