

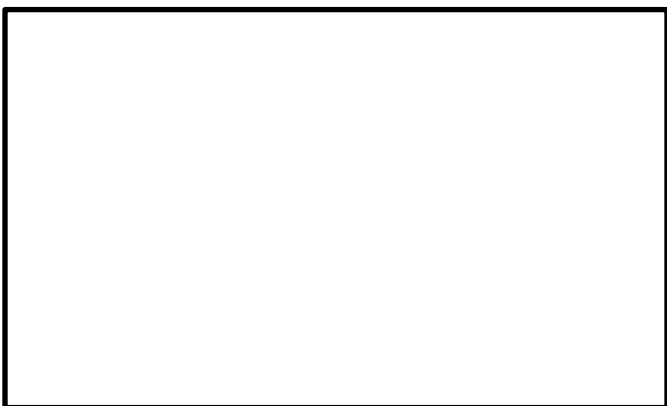
Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

# Constellations

**Purpose** – to understand the patterns (ccc) observed by ancient cultures that allowed them to keep track of time and create elaborate calendars.

## Activity 1 - Patterns in the Night sky

Draw the pattern (ccc) in the box that is projected on the front board.



1. Have you ever observed this pattern in the night sky? Explain using a complete sentence.

2. Provide an inference as to why different cultures observed with their eyes the same pattern, but called it a different name?

## Activity 2 - Seasons and Constellations

Follow the directions (this is totally a life skill you will need the rest of your life) on the yellow direction paper to create a model (ccc) of some of the constellations observed in the night sky. Follow the steps accurately, as no guidance will be given by the teacher. When the model is complete, answer the following questions.

1. What pattern do you observe as the toy soldier rotates in a counterclockwise direction?

2. What season would the toy soldier not see the constellations Aries, Pisces, and Aquarius? Make sure to explain your answer in a complete sentence.

3. What SEP (science and engineering practices) is used with this model?

4. What CCC (cross cutting concept) does this model show?

5. In your own words, explain how ancient cultures used constellations to help them keep track of time.



### Activity 3 - It's all Greek to Me!

The Ancient Greeks created myth using the patterns observed in the night sky and to make sense of Earth's place in the universe. Each group will be given a pack of Greek Constellations. Choose **any 7** out of the pack and **1)** write the name of the constellation, **2)** draw the pattern (constellation) and **3)** write a brief description of the mythological story.

[illegible]