

Which kid do you think grew up to be an astronomer?



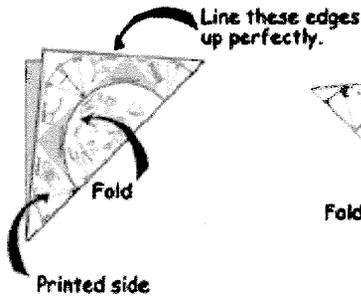
TASK #1: Select which kid you think became an astronomer, then write a brief paragraph explaining why you chose them.

a) I think that KID # _____ became an astronomer because:

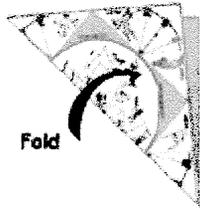
b) Draw what you think they look like **NOW** (as a real astronomer) below:

Constellation Pickers

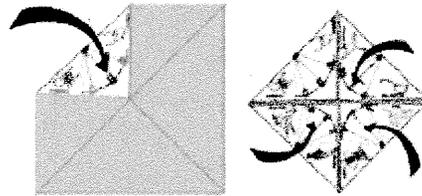
Select the "Star Finder" for the month in which you were born. Then follow the directions below...



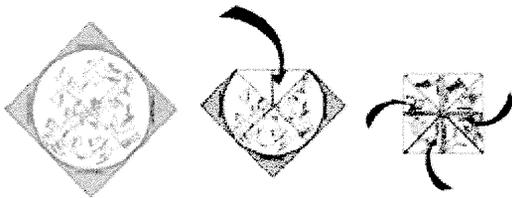
1. Fold paper diagonally.



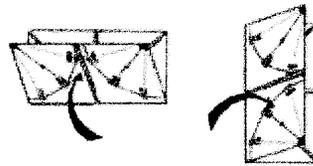
2. Fold the other two corners together.



3. Fold each corner point into the center.



4. Flip the square over, then fold all four of its corners into the center.



5. Fold in half one way, then unfold, and fold in half the other way.

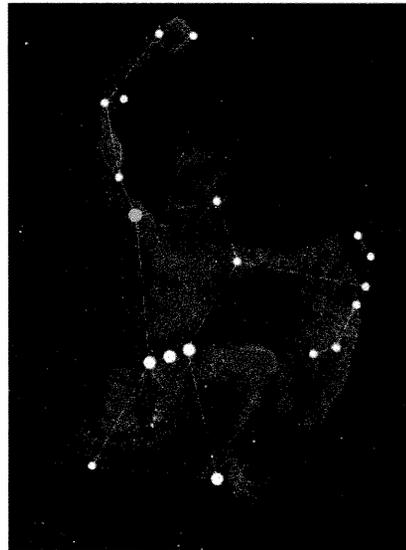
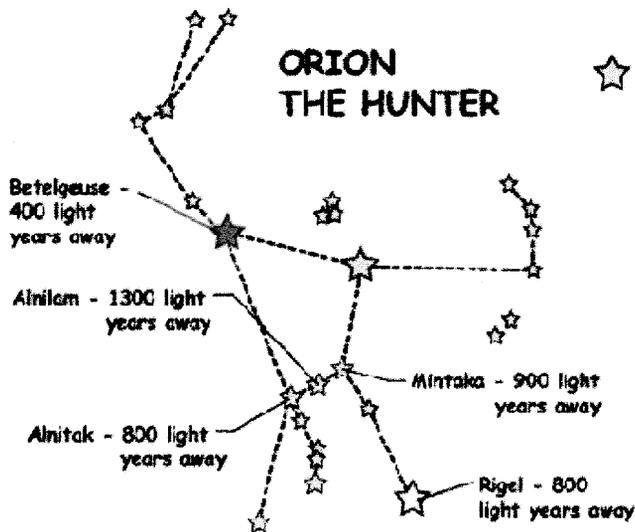
Play the Star Finder game:

1. Stick your thumbs and first two fingers into the four pockets on the bottom of the Star Finder.
2. Ask another person to choose one of the top four squares. Then, depending on the number on the square she chose, open and close the Star Finder that many times (open up and down, close, open side to side, close, etc.). For example, if she chose number 6, open and close the Star Finder 6 times.
3. Then, ask the person to look inside the Star Finder and pick one of the four visible constellations. This time, open and close the Star Finder once for each letter to spell out his choice. For example, if he chose "Lyra," you would open and close the Star Finder 4 times, once for each letter: L - Y - R - A.
4. Ask the player again to pick one of the four constellations visible. Open the panel to see the name of a constellation he/she could try to find in the sky for that month. Then...complete the **TASK** on the next page...

TASK #2: a) Draw and label 4 different constellations from 4 different people's Star Finder's. b) Identify each constellation and the month they are visible.

What ARE Constellations Anyway?

A constellation is a group of stars like a dot-to-dot puzzle. If you join the dots--stars, that is--and use lots of imagination, the picture would look like an object, animal, or person. For example, Orion is a group of stars that the Greeks thought looked like a giant hunter with a sword attached to his belt.



Constellation "Telescope"

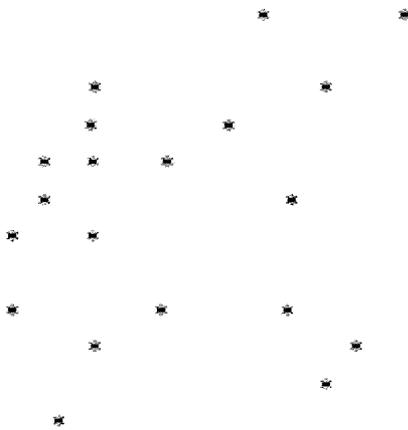
TASK #3: Look into each "telescope" (with the letter facing up) and then:

1. Draw the constellation
2. Decide which constellation it is, (referencing the April chart)

A Simple Made-Up Constellation

Have you ever looked at the clouds and seen pictures? That one looks like a duck, or that cloud is shaped like Abraham Lincoln's head. Well, as those ancient humans looked at the stars, they began to see patterns too. Some of these pictures they saw, reminded them of stories they had heard. For others, they created stories to fit the pictures. They gave names to the pictures they created and many of these names survive today.

- TASK #4:** Pretend you are looking at stars in the sky. What do you see?
- a) Make up your OWN constellation by connecting only the dots you want,
 - b) name your constellation,
 - c) draw the “real” picture beside it to the right, d) then right a brief “story” or “tale” about your constellation.



Tale:

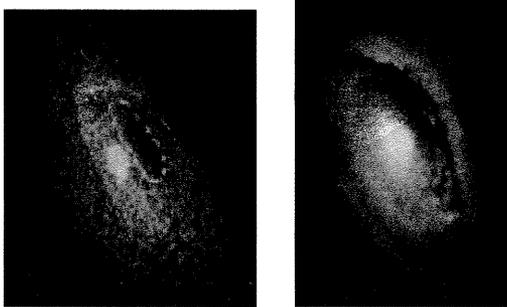
Old Time Astronomy

Hello! My name is Galileo Galilei (gal-uh-LAY-oh gal-uh-LAY-ee). I was born in 1564 in Pisa, Italy. I was one of the first *astronomers*, people who study the night sky. I built my own telescopes. When I looked at Jupiter through one of my telescopes, I saw four small moons going around the giant planet. So I was the first person ever to see moons around a planet other than Earth! Can you imagine what I saw?



When I was an astronomer, we had telescopes, but we didn't have cameras or computers. We couldn't just take a picture through our telescopes. To record observations, or to show them to our friends, we had to draw what we saw.

The picture shows a drawing and a photograph of the same galaxy.



TASK #5: Pretend that you are an "old time astronomer" like me. Cameras have not been invented yet, so you have to record your observations by drawing. Look at a picture and try to draw what you see (in the space on the next page).

Drawing Tips



1) **Get Ready:** Get a pencil and an eraser to fix your mistakes.

2) **Look:** Spend a few minutes just looking at the object. What is its shape? How big is it? How bright is it? When you are ready, draw the object's general outline.



3) Draw: Look at the object again. What details do you see? Draw them. Begin with the biggest, clearest details. Work your way down to the smaller, fainter details. Make sure you show each part of the object in the right place on your drawing. Remember to draw the stars around the main object.

4) Check: Compare your drawing to what you see in the telescope or picture. Erase and redraw to fix any mistakes. To make the cloudy parts look more realistic, try smudging the drawing a little with your finger.

5) Trade and Guess: Find a classmate, who will try to guess which object you drew, and you will try to guess which object they drew.

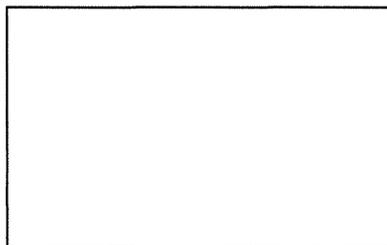
6) Question: Why do you think it is better to use a camera to take pictures of objects through a telescope instead of trying to draw what you see?

Astrological Signs - Horoscopes

TASK #7: Now it is time to find out which one you REALLY are. When your WHOLE GROUP is ready, ask the teacher for the ANSWER sheet.

1. My Zodiac Sign is: _____

2. The symbol for my sign is:



3. The range of dates for my sign is from _____ to _____

4. Characteristic traits of my Zodiac sign are:

5. Do you think these traits provide a good description of your personality? Why and/or Why not? (some might, some might not).

6. Is Astrology a science? Explain your answer:
