



CHANGING CONSTELLATIONS PAPER GAME



Use the Think Differently Success Skill to find new constellations.



Career Cluster

STEM



Success Skill

Think Differently



Estimated Activity Time

25 – 30 mins



Group Size

Pairs, or Group

Prepare ahead of time

- Print materials
- Cut out cards

Materials

- Constellation sheets (1 set per player)
- Animal cards (1 set per group)
- Star map (1 per group)
- Paper and tools for drawing

Think Differently ASL Sign:

Each time you say **Think Differently** in this activity, please do the ASL sign:

Form a fist with one hand, leaving your pointer finger up. Touch your temple using your finger. Then bring both hands in front of your chest, forming fists with both hands. Leave both pointer fingers out and bring them together, so that the tips of your fingers are touching. Move your fingers away from each other while moving them up and down repeatedly, until your hands are in front of your shoulders.

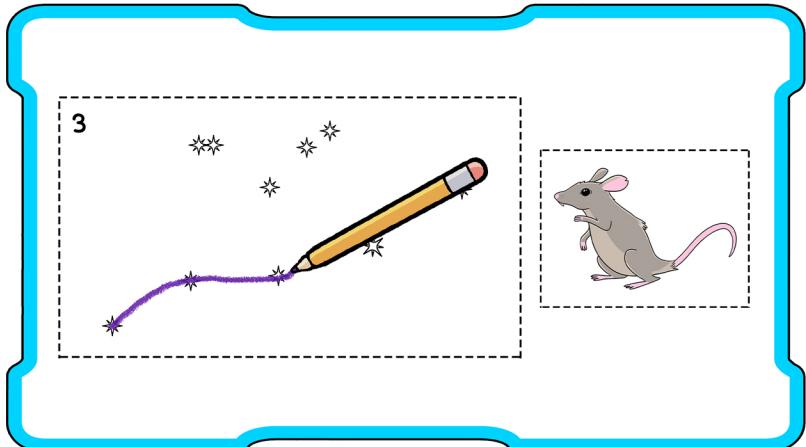
HOW TO PLAY: CHANGING CONSTELLATIONS

DRAW

Everyone take a star sheet.

Pick a random animal card.

Think Differently to connect the stars with lines and make a new animal constellation.

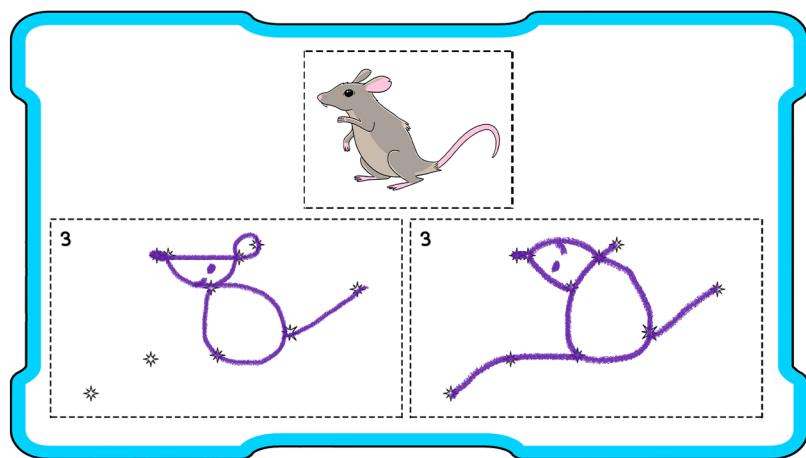


COMPARE

Show your constellations to other players.

Notice how everyone **Thought Differently**, even when you had the same stars and animal.

Draw and compare 4 times!

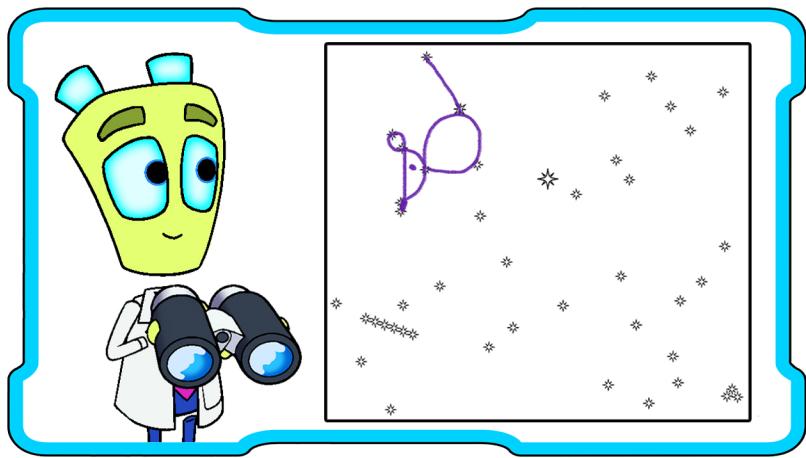


ASTRONOMER CHALLENGE

Take out the star map.

Find your new constellations!

You win when you find and draw all 4 new constellations on the star map.



GROUP MANAGEMENT

- Each constellation sheet has a number in the corner. Make sure players use the same sheet when drawing the same animal for better comparison.
- There are no right or wrong answers for constellations.
- Each constellation has a landmark star or cluster of stars to make it easier to find them on the star map.
- You can do the star map together as a group on a projector.

10 MIN: INTRODUCTION

Say, “*We are going to play a game about Astronomers. Astronomers are scientists who study stars, planets, and objects in space. They use special tools, like telescopes, to observe space. Astronomers work closely with other scientists from all over the world to share their ideas.*

*Astronomers use the **Think Differently** Success Skill when they do their work.*

*Astronomers **Think Differently** when they look for constellations. Constellations are patterns of stars that can look like shapes. For this game, you will be Astronomers! You'll find patterns and shapes in the stars and decide what they look like.*

Everyone will get a paper with stars on it. Then you'll create a constellation that looks like an animal. Use your imagination. How can you connect the stars to make lines that look like the animal? There are no right or wrong answers. When you're done, compare your constellations with the people around you. See how differently everyone drew their constellations.

After you've made 4 new constellations, take out the star map. Work together with the players around you to find your new animal constellations on the star map. Look for clues that might help you, like big stars or groups of stars. Let's play!"

5 MIN: REFLECTION

Have a brief discussion with children about the activity. **Say,**

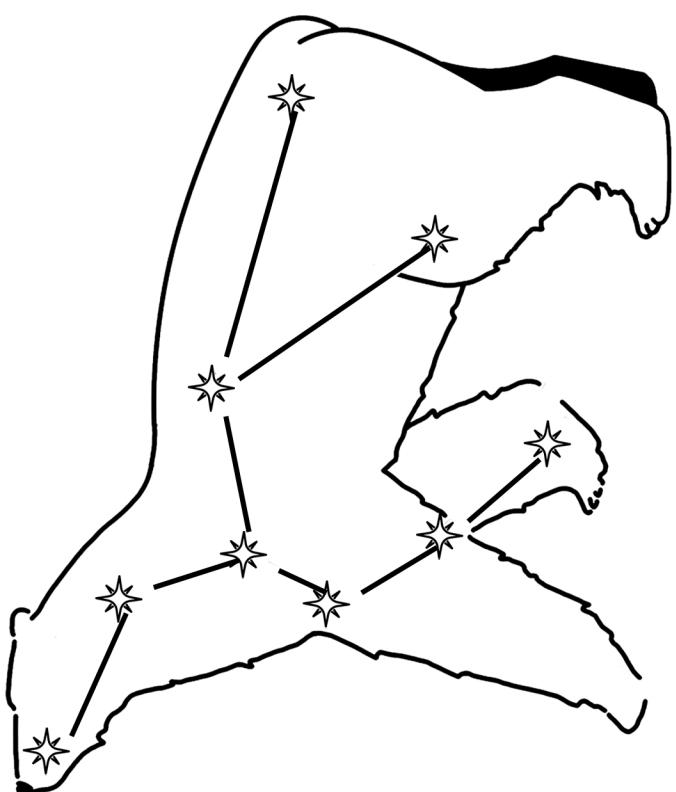
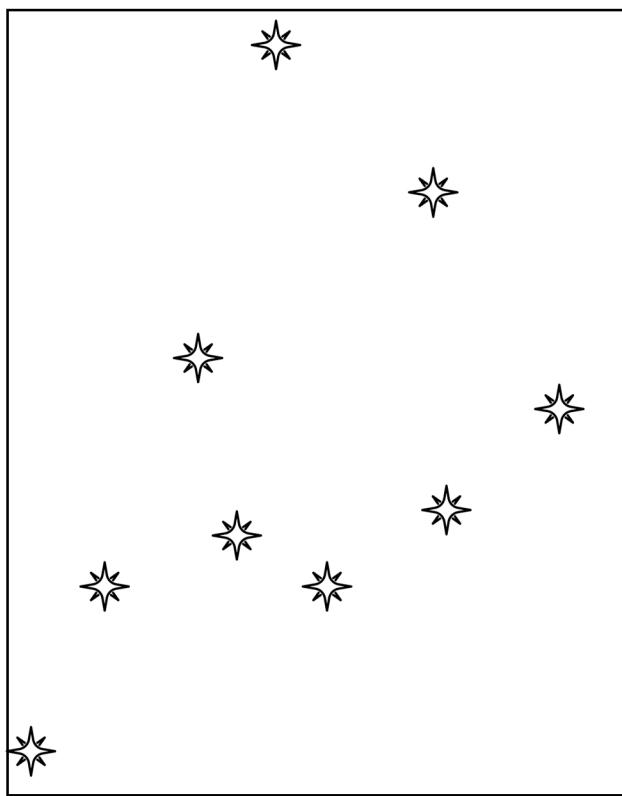
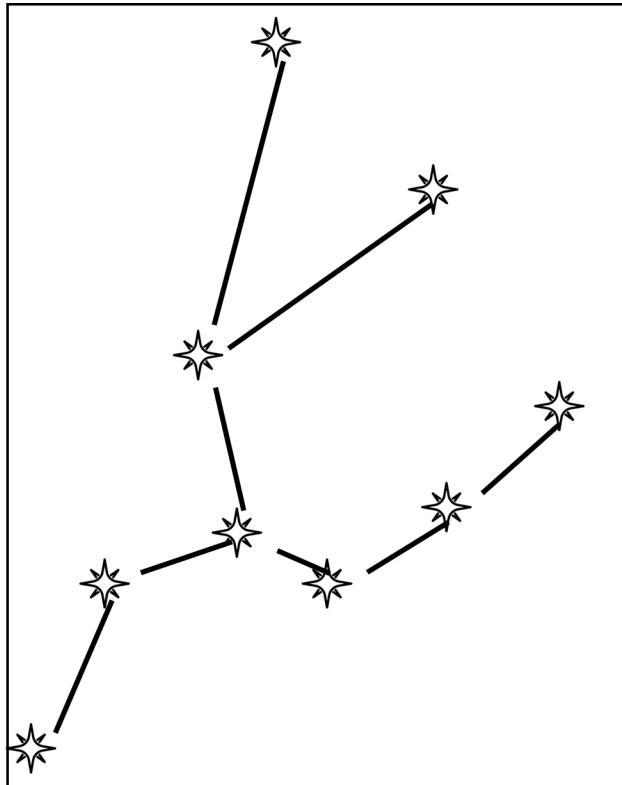
- “*What Success Skill did you use today?*”
- “*Why is it important to **Think Differently** when making constellations?*”
- “*What's another job that also uses the **Think Differently** skill?*”



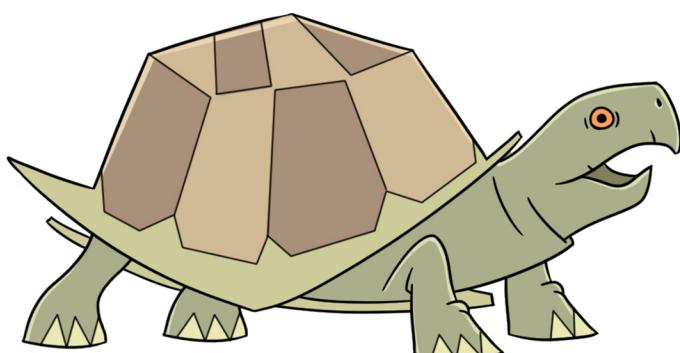
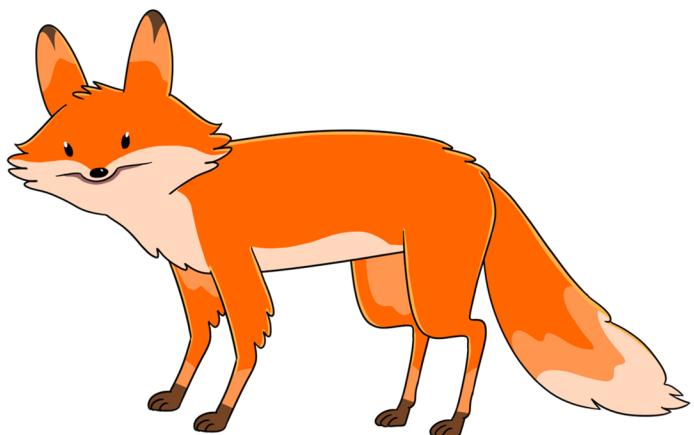
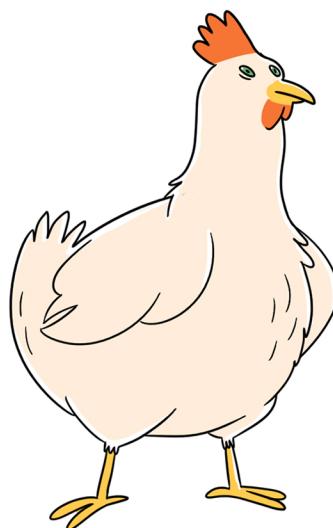
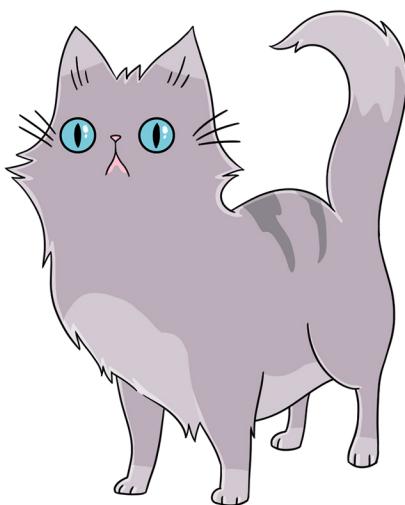
REAL CONSTELLATION EXAMPLE



CONSTELLATION DRAWING EXAMPLE



ANIMAL CARDS



CONSTELLATION SHEET 1

1

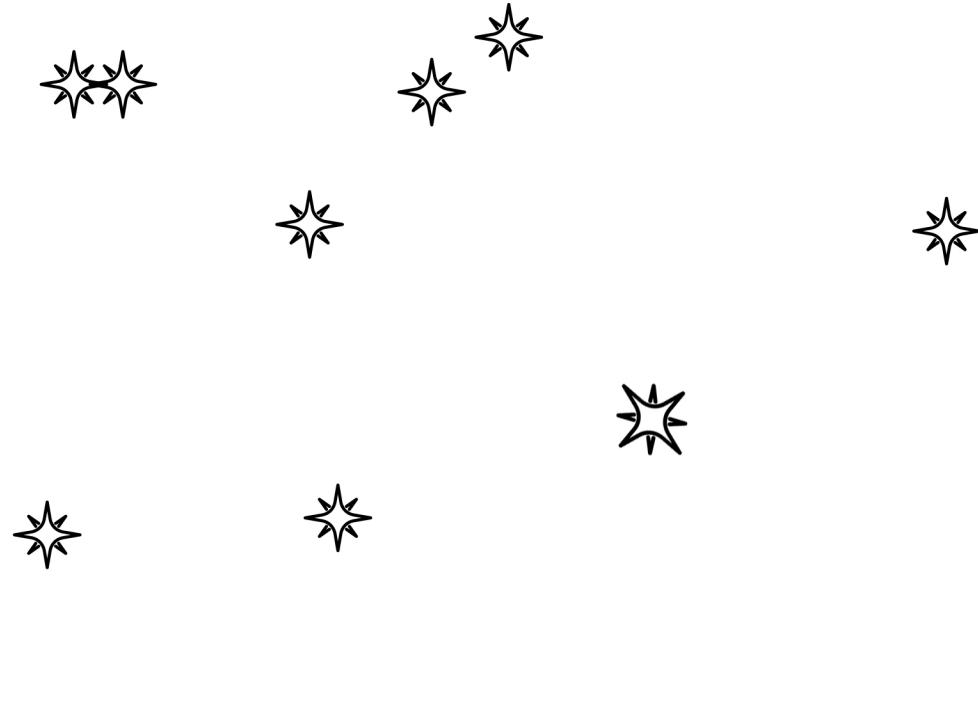


2



CONSTELLATION SHEET 2

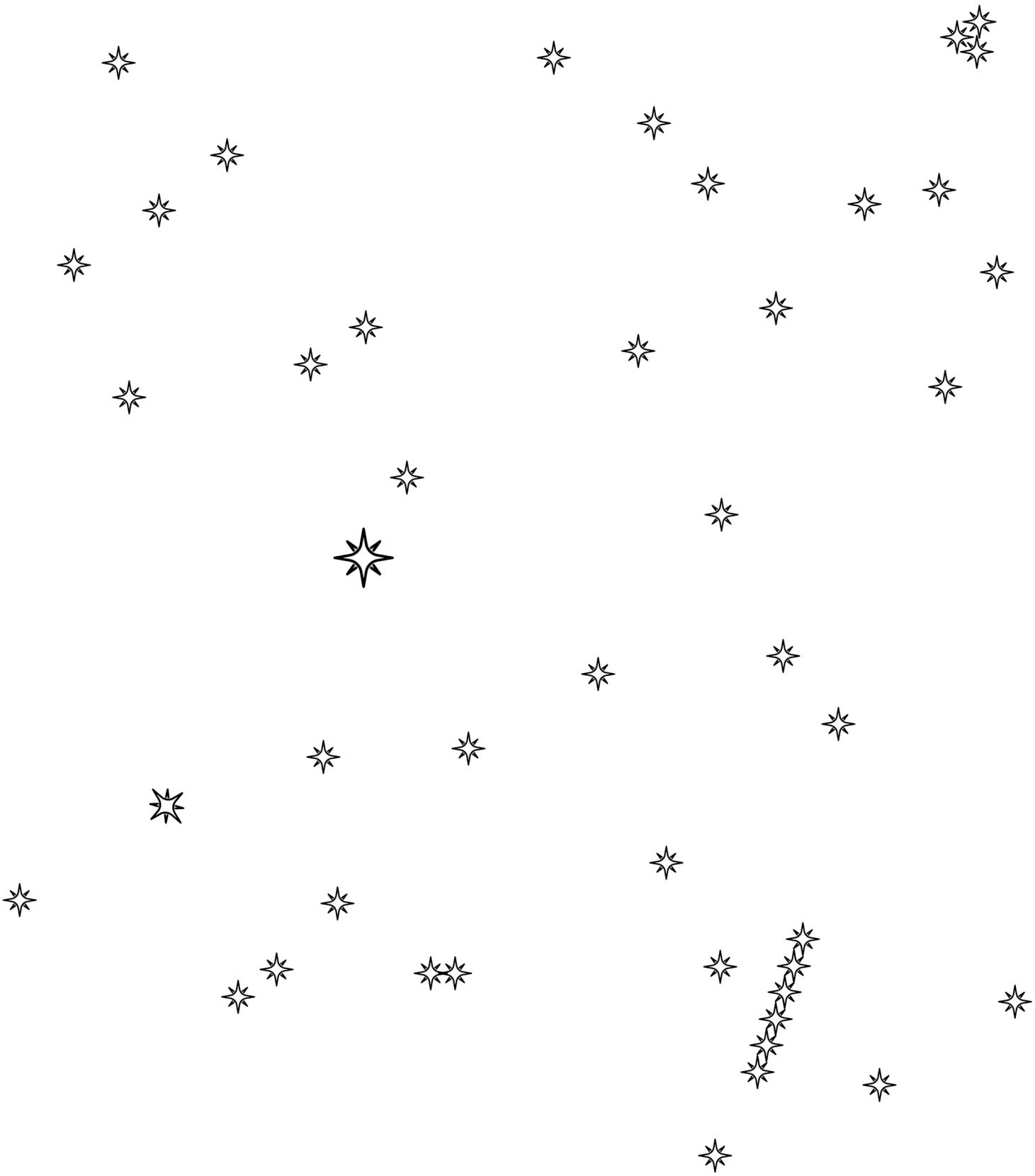
3



4



STAR MAP



STAR MAP ANSWERS

