

# CLOVERBUDDIES

**A 4-H EXPLORATION ACTIVITY SERIES FOR  
CLOVERBUD MEMBERS**



**FEBRUARY 2023**

PROJECT EXPLORATION:

**S.T.E.M.**



# MILKY WAY SCRAMBLE

Outer space is filled with so many planets, solar systems, and galaxies! For this activity unscramble the names of these planets and star(s) in our solar system and write them on the lines!



1. uns

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6. iptJeur

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2. ryemrcu

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7. rnstau

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3. usvne

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8. sanuru

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4. rehta

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9. utnPene

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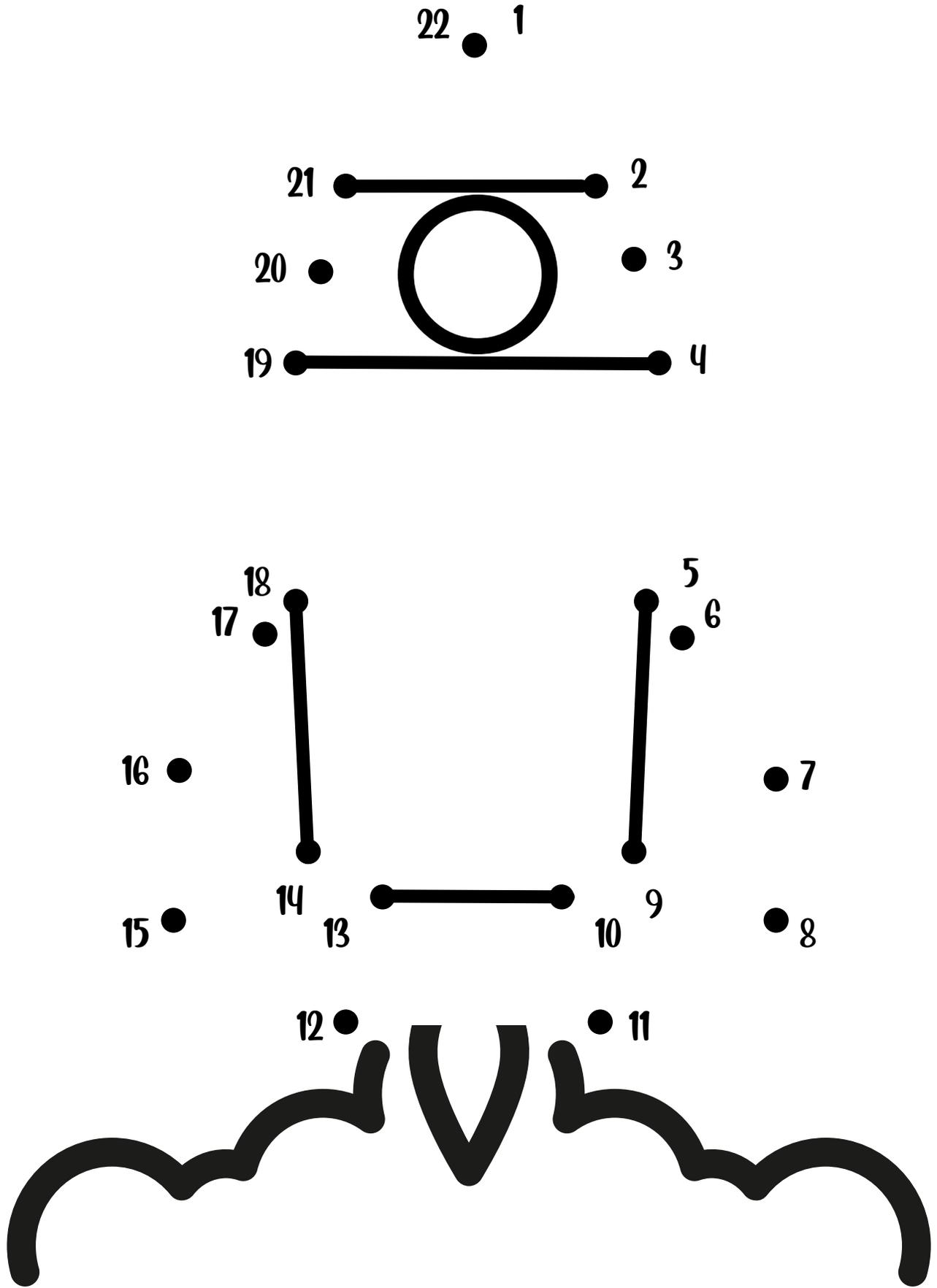
5. asmr

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# ROCKET CONNECT THE DOTS

One 4-H project you can learn about in the S.T.E.M. category is called Aerospace. Rockets are a really fun part of space to learn about! Complete the activity below to complete the drawing of the rocket!





# BLIZZARD IN A JAR

Weather is actually very scientific, it's all about having the right combination of elements at once! Follow the instructions below with an adult to make your own blizzard in a jar!

## MATERIALS:

- Baby Oil
- White Paint
- Alka-Seltzer tablets
- Clear glass jar
- Glitter (optional)
- Blue food coloring (optional)

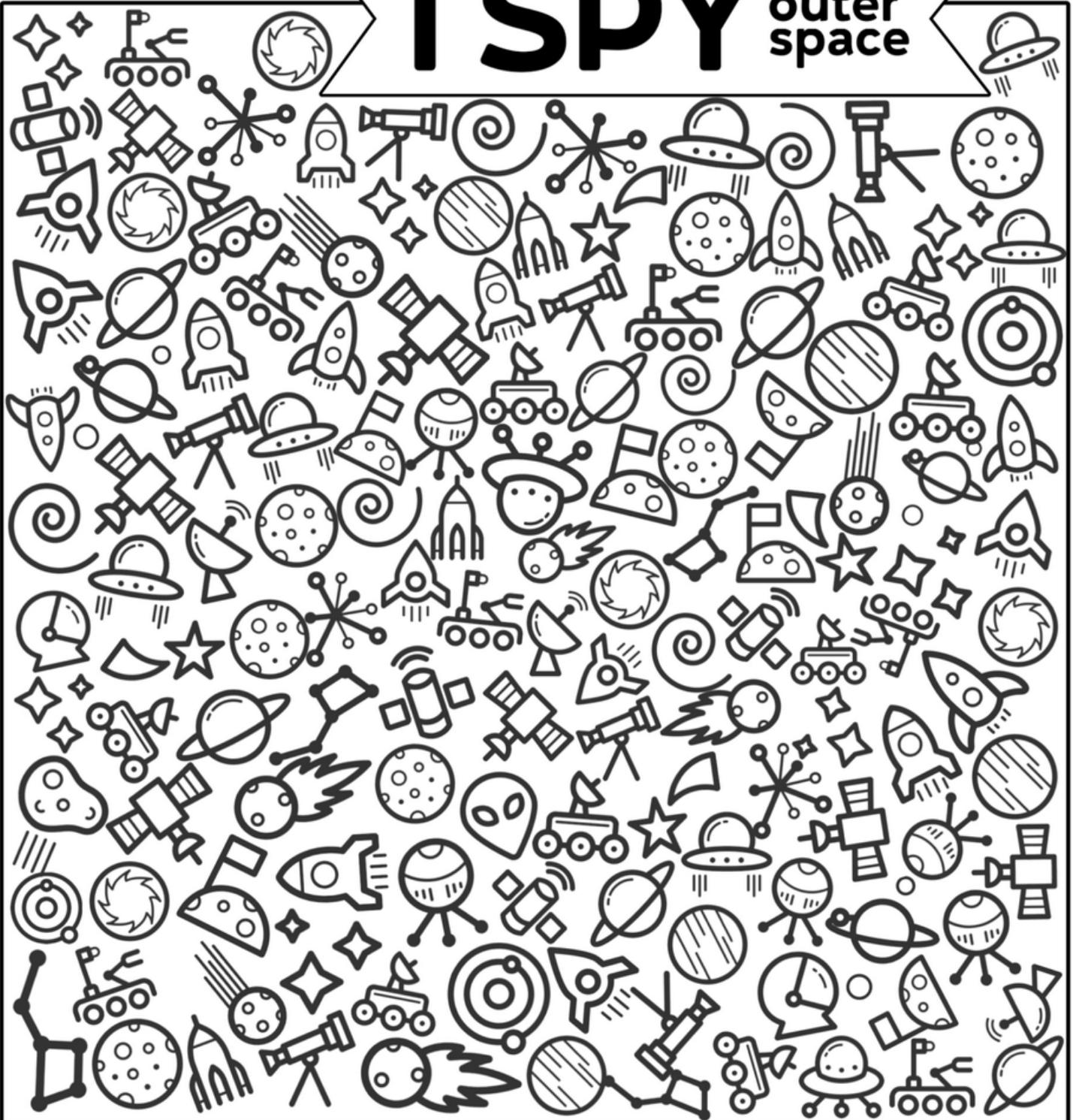
## DIRECTIONS:

1. Fill up  $\frac{1}{4}$  of the jar with water.
2. Add about a teaspoon of white paint in the water and stir to mix. The mixture should look like milk. If necessary add more paint.
3. Fill up the rest of the jar with baby oil. Let the water and paint mixture settle to the bottom.
4. Add glitter in the mixture if desired (not necessary but it makes the snowstorm prettier).
5. Add a few drops of blue food coloring if desired (to simulate the color of the sky).
6. Let the water/paint mixture settle on the bottom.
7. Break up an Alka-Seltzer tablet and drop the broken up pieces one at a time into the jar.
8. Watch the blizzard!



Just like a good scientist, you must investigate to find the hidden space words below! Can you find them all?

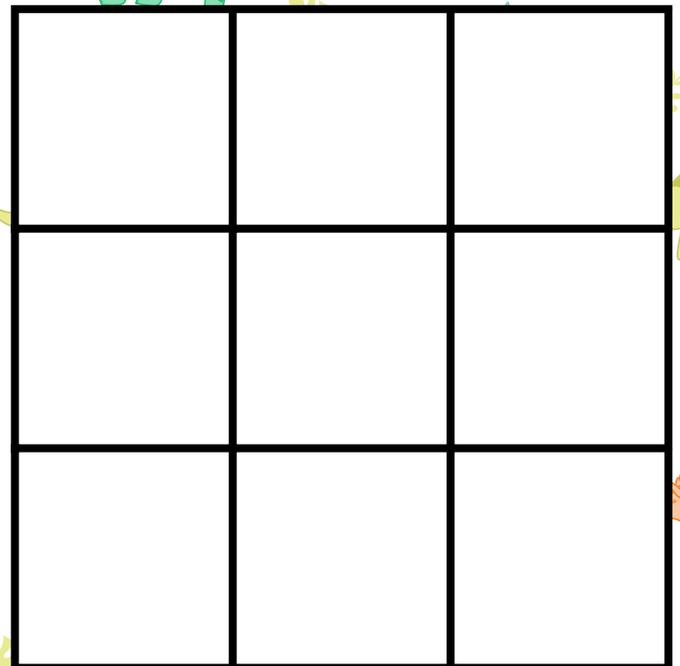
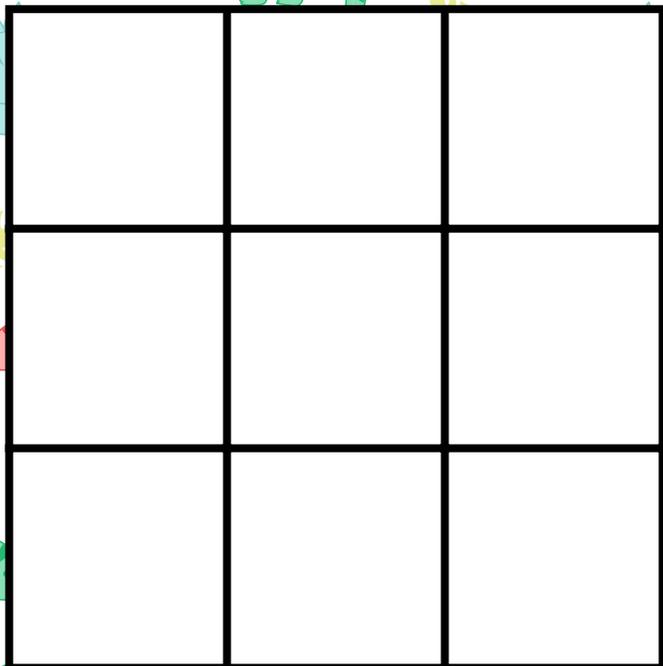
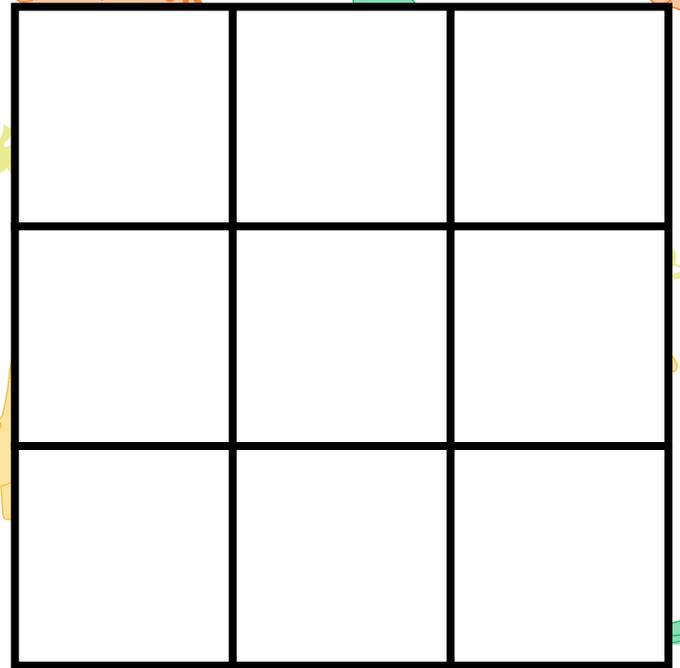
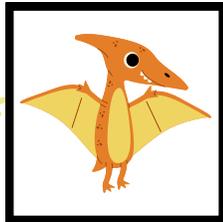
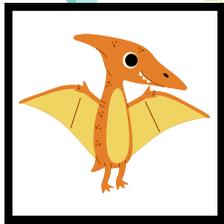
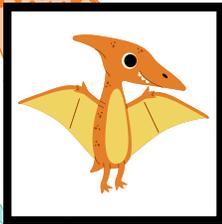
# I SPY outer space



- |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |   |  |
|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|
| 2 |  | 4 |  | 4 |  | 5 |  | 4 |  | 5 |  | 7 |  | 4 |  | 6 |  | 5 |  |
| 1 |  | 6 |  | 7 |  | 1 |  | 3 |  | 6 |  | 7 |  | 4 |  | 7 |  | 5 |  |
| 3 |  | 3 |  | 4 |  | 6 |  | 2 |  | 7 |  | 5 |  | 9 |  | 6 |  | 3 |  |

# DINO LINE UP

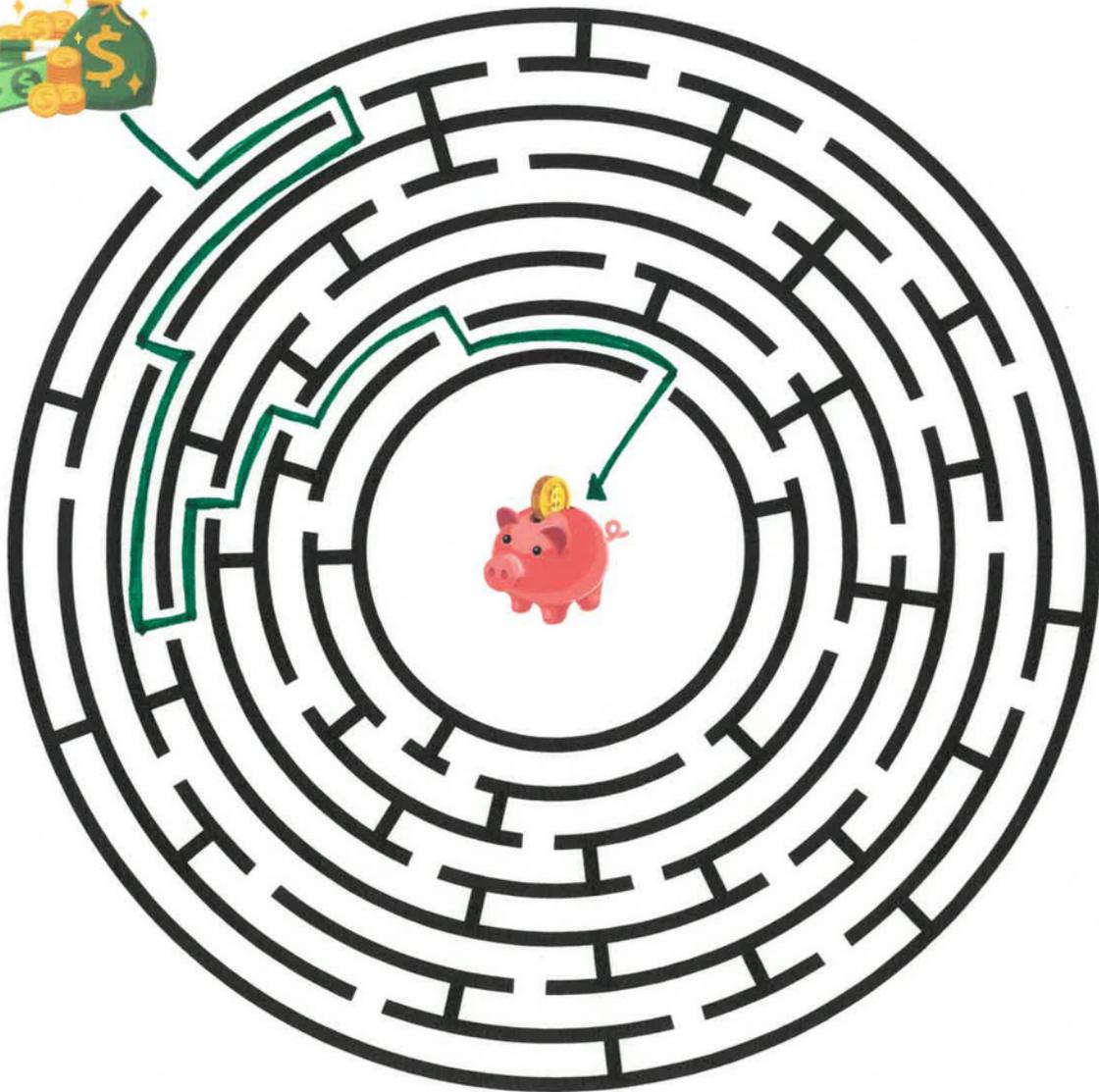
STEM projects have a lot of strategy, and often find multiple solutions to puzzles and problems! Cut out the Dinosaurs and line them up in the grids below so that each Dinosaur has it's own line (both horizontally and vertically!). Diagonal lines are okay! How many different ways can you find?



# JANUARY ANSWER KEYS

Answers to all Cloverbuddies activities will appear on the back cover of the following month's issue. For answers to this issue, watch for March's installment of Cloverbuddies!

## MONEY MAZE



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