

THE DREAM EXPLORERS

CLUB SERIES

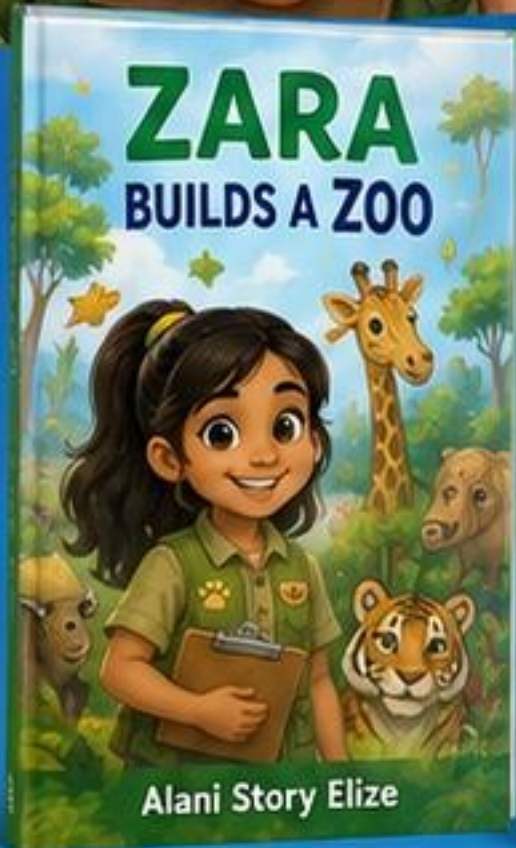
TEACHER GUIDE & CLASSROOM RESOURCE

INSPIRE CURIOSITY. BUILD KNOWLEDGE. CREATE CHANGE.

Ages 6–10 • Grades 1–4



★ STEM
★ FRIENDSHIP
★ IMAGINATION
★ PROBLEM SOLVING
★ & MORE!



STEM
LEARNING



FRIENDSHIP



PROBLEM
SOLVING



IMAGINATION



CULTURAL
EXPLORATION



ENVIRONMENTAL
AWARENESS

DREAM ★ DISCOVER ★ CREATE ★ INSPIRE



FREE Teacher Resource Packet

★ Welcome Letter ★

Jaden Reaches for the Stars

..... Book 2

Dream Big.
Stay Curious.
**Reach
for the Stars!**

Dear Teachers, Parents, Homeschool Educators, and Librarians,

Thank you for choosing **Jaden Reaches for the Stars** as part of your learning journey. This free Teacher Resource Packet extends the story with engaging classroom-ready activities that build reading, STEM, creativity, and problem-solving skills.

Inside this packet you'll find STEM activities, vocabulary practice, reading comprehension, a word search, maze, coloring page, draw-your-own invention activity, observation journal, certificate of achievement, and links to all five books in the Dream Explorers Club Series.

These printable resources are ideal for classrooms, homeschool learning, libraries, reading centers, STEM clubs, and family reading time.

We hope these activities encourage every child to dream big, stay curious, ask questions, and believe that anything is possible.

Happy Exploring!

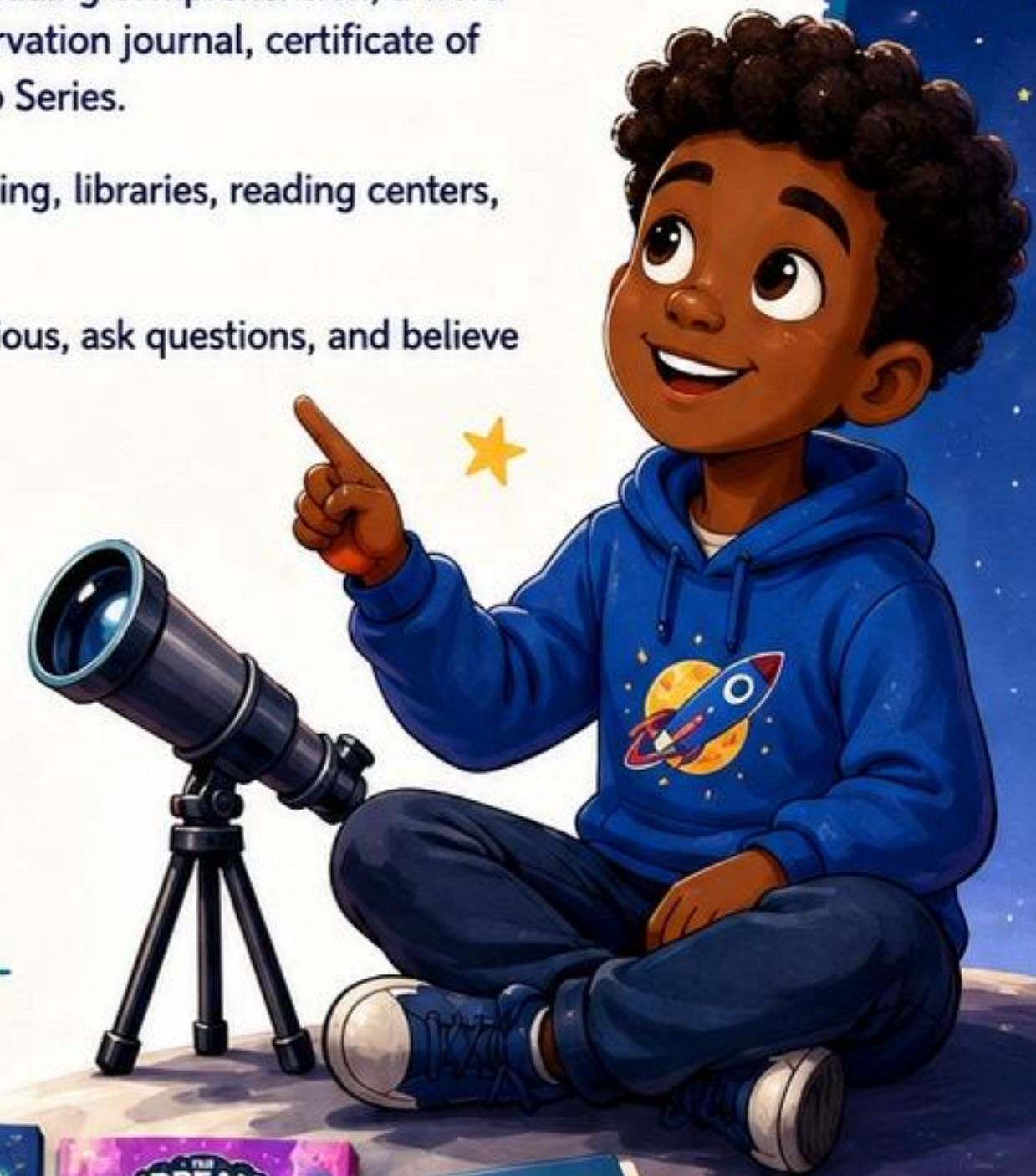
Alani Elize

Author, The Dream Explorers Club Series

Visit: www.j3russellbooks.com

Download more FREE teacher resources, printable activities, and discover the complete Dream Explorers Club Series.

Dream ★ Discover ★ Create ★ Inspire





Reading Comprehension

Jaden Reaches for the Stars – Book 2

Part A – Multiple Choice

- 1 What are Jaden's two favorite things?
A. Reading and music B. Looking at the stars and figuring out how things work
C. Sports and art D. Cooking and gardening
- 2 What invitation does Jaden receive?
A. A school award
B. A glowing envelope from the Dream Explorers Club
C. A telescope D. A map
- 3 What is the Innovation Station?
A. A museum
B. A place where dreamers turn ideas into reality
C. A library D. A park
- 4 What lesson does Orbit teach Jaden?
A. Never make mistakes
B. Courage means caring enough to keep trying
C. Rockets are easy to build D. Winning is everything
- 5 Which STEM skill does Jaden use most often?
A. Memorizing facts
B. Engineering and problem-solving
C. Gardening D. Painting

Part B – Short Answer

- 1 Why does Jaden almost give up?

- 2 How does Orbit help Jaden become more confident?

- 3 What is one lesson you learned from Jaden's adventure?

Part C – Reflection

Write about a time when you kept trying even though something was difficult.





THE DREAM EXPLORERS CLUB SERIES

Vocabulary Page

Jaden Reaches for the Stars – Book 2



Word	Meaning
Astronaut	A person trained to travel and work in space.
Rocket	A vehicle that launches into space.
Launch	To send a rocket or spacecraft into the sky.
Orbit	The path an object follows around a planet or star.
Gravity	The force that pulls objects toward Earth.
Engineer	A person who designs and builds things.
Experiment	A test used to learn or discover something.
STEM	Science, Technology, Engineering, and Mathematics.
Perseverance	Continuing to try even when something is difficult.
Curiosity	A strong desire to learn or discover.

Challenge:

Write a sentence using three vocabulary words.





STEM Activity

Build a Paper Rocket

Jaden Reaches for the Stars – Book 2

Objective:

Design and test a paper rocket.
Observe how changing the rocket's shape affects how it flies.

Materials:

Paper, crayons or markers, scissors, tape, and a straw.



Steps:

- 1 Decorate your paper rocket.
- 2 Roll the paper around a pencil and tape it into a tube.
- 3 Fold one end closed to make the rocket nose.
- 4 Add paper fins to the bottom.
- 5 Slide the rocket over a straw and blow through the straw to launch it.
- 6 Test different fin sizes and record what happens.



Observation

Prediction	What Happened?



★ THE DREAM EXPLORERS CLUB ★

JADEN

Reaches for the Stars

★ COLORING PAGE ★



*Dream. Discover. Explore.
The sky is just the beginning!*



DRAW YOUR OWN INVENTION!

Jaden loves to imagine new things that can help solve problems.
Now it's **YOUR** turn to be an inventor!



YOUR MISSION:

Design an invention that could help people solve a problem on Earth or in space!

Think about:

- What problem will your invention solve?
- Who will it help?
- What does it do?



DRAW YOUR INVENTION HERE!



Name of your invention: _____

TELL US ABOUT YOUR INVENTION!

What problem does it solve? _____

How does it work? _____

Who will it help? _____

INVENTOR TIPS



Identify the Problem

What is the challenge or problem?



Be Creative

Think of ideas no one has thought of before!



Plan It

What materials would you use? How would it work?

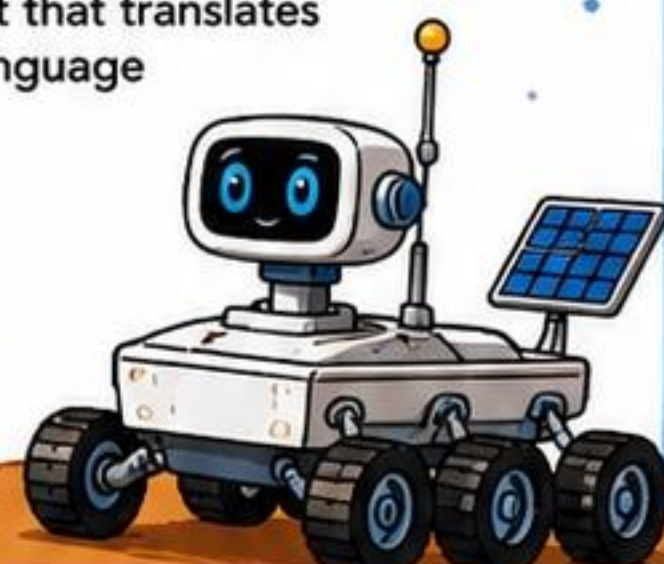


Test & Improve

How can you make your invention even better?

EXAMPLE IDEAS

- ★ A backpack that grows food
- ★ A robot that cleans up space junk
- ★ Shoes that help you jump higher on the moon
- ★ A machine that turns trash into energy
- ★ A helmet that translates every language



Dream it. Build it. Change the world. **You are a Dream Explorer!**



VOCABULARY

WORDS TO KNOW FROM JADEN REACHES FOR THE STARS

Learn these important words from the story!



WORD	DEFINITION	PICTURE
1 Astronaut	A person who is trained to travel and work in space.	
2 Observation	The act of watching something carefully and noticing details.	
3 Gravity	A force that pulls things toward each other. It keeps us on Earth!	
4 Orbit	The path an object takes as it goes around another object in space.	
5 Rocket	A vehicle that travels into space by using powerful engines.	
6 Mission	An important task or journey with a goal to achieve.	
7 Experiment	A test or activity that helps us learn something new.	
8 Innovation	Creating something new or finding a better way to do something.	
9 Constellation	A group of stars that form a pattern in the sky.	
10 Perseverance	The ability to keep trying, even when things are hard.	

★ USE IT! ★

Choose 3 vocabulary words from above and write each one in a sentence.

- 1 _____
- 2 _____
- 3 _____



★ DREAM TIP!

Great explorers use big words to share big ideas!



READING COMPREHENSION

JADEN REACHES FOR THE STARS

Read each question carefully. Choose the best answer or write your answer in the space provided.



A. MULTIPLE CHOICE

Circle the best answer.

- What is Jaden's biggest dream?
 - To be a soccer player
 - To explore space
 - To build a video game
 - To be a chef
- What did Jaden build for the science fair?
 - A model volcano
 - A robot
 - A rocket
 - A boat
- What problem does Jaden's rocket help solve?
 - Getting to school faster
 - Cleaning the ocean
 - Exploring space safely
 - Saving trees
- Who encouraged Jaden to keep trying?
 - His teacher
 - His mom
 - His best friend
 - His coach
- What lesson does Jaden learn at the end of the story?
 - Dreams are only for some people.
 - Mistakes help us learn and grow.
 - Winning is the most important thing.
 - You must be perfect to be successful.

B. SHORT ANSWER

Write your answer on the lines.

- What did Jaden love to do from a young age?

- What challenge did Jaden face while building his rocket?

- How did Jaden solve the problem with his rocket?

- What happened when Jaden's rocket launched?

- What does Jaden want to do in the future?

C. THINK & REFLECT

Answer the questions.

- Why do you think Jaden never gave up on his dream?

- What can we learn from Jaden's story?

- How can you reach for your own dreams?

Dream big.
Work hard.
Never stop
reaching for
the stars!

D. WRITING PROMPT

Write about a time you worked hard to achieve something you dreamed of. What challenge did you face? How did you overcome it? What did you learn?



SPACE WORD SEARCH

★ JADEN REACHES FOR THE STARS ★

Find and circle the space words from the list.
Words can go across, down, forward, backward, or diagonal.

A	S	T	R	O	N	A	U	T	G	A	L	A	X	Y
B	L	A	U	N	C	H	D	R	E	A	M	S	T	E
O	R	B	I	T	C	O	M	E	T	Z	P	L	A	R
S	C	I	E	N	C	E	N	E	B	U	L	A	N	T
T	E	L	E	S	C	O	P	E	R	O	C	K	E	T
A	D	V	E	N	T	U	R	E	S	H	U	T	L	E
R	P	L	A	N	E	T	J	O	U	R	N	E	Y	G
S	A	T	E	L	L	I	T	E	G	R	A	V	I	T
D	I	S	C	O	V	E	R	Y	M	I	S	S	I	O
Q	U	A	S	T	E	L	L	A	R	X	Y	Z	Q	W
M	E	T	E	O	R	I	T	E	S	P	A	C	E	W
N	E	B	U	L	A	E	X	P	L	O	R	E	H	Q
U	N	I	V	E	R	S	E	I	N	N	O	V	A	T
T	R	A	V	E	L	L	E	R	F	U	T	U	R	E
W	O	R	K	H	A	R	D	A	S	T	R	O	N	O

★ WORD LIST ★

- ★ Astronaut
- ★ Rocket
- ★ Launch
- ★ Planet
- ★ Orbit
- ★ Stars
- ★ Galaxy
- ★ Telescope
- ★ Science
- ★ Mission
- ★ Satellite
- ★ Nebula
- ★ Comet
- ★ Gravity
- ★ Adventure
- ★ Discovery
- ★ Universe
- ★ Explore
- ★ Meteorite
- ★ Future

★ FUN FACT! ★

There are more stars in the universe
than grains of sand on all the
beaches on Earth!



SPACE MAZE

JADEN REACHES FOR THE STARS

Help Jaden navigate through space and reach the rocket launch pad!



LAUNCH PAD



EXPLORER TIP!

Stay focused, be patient, and keep going—you'll reach your goal!

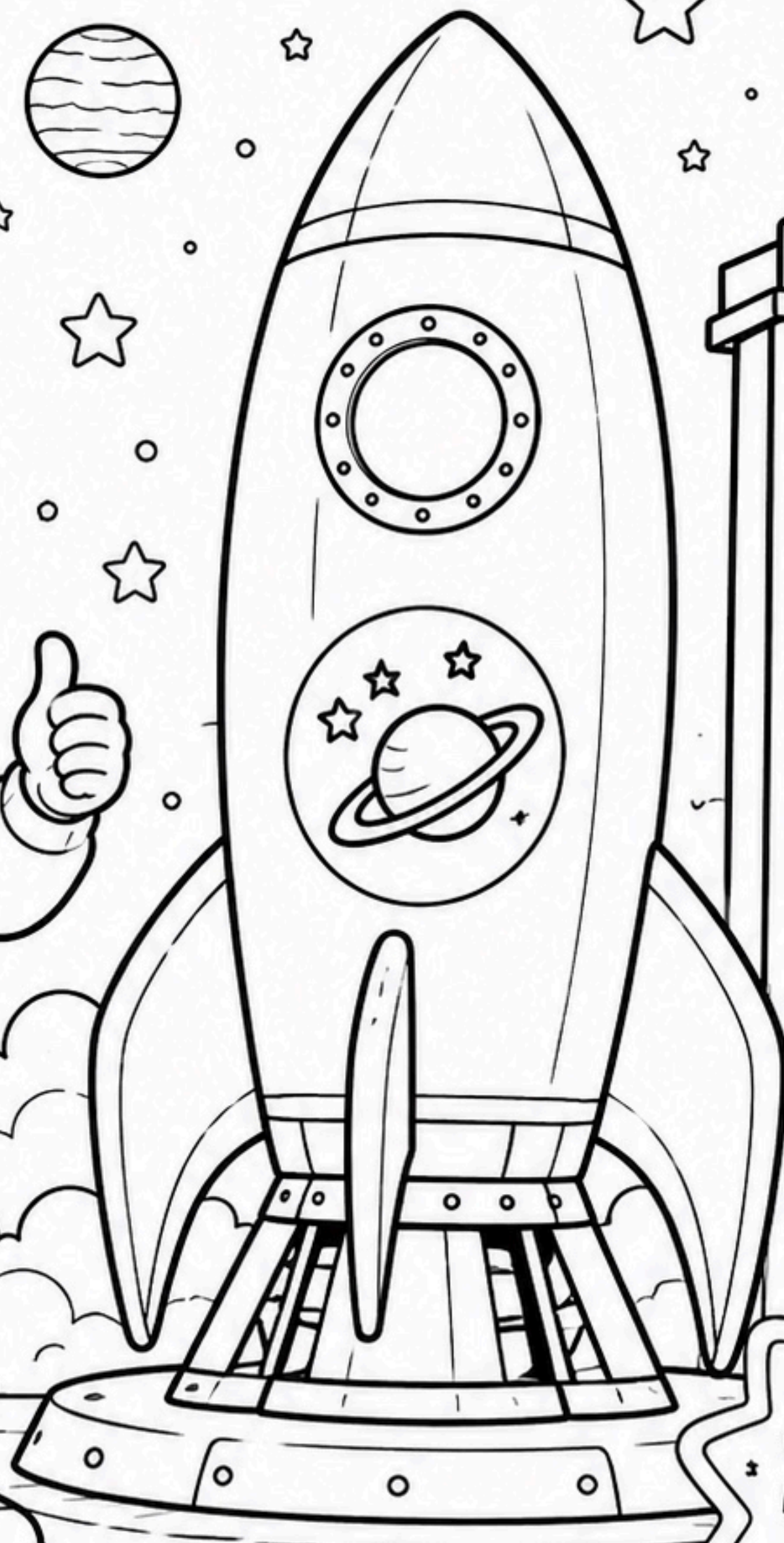
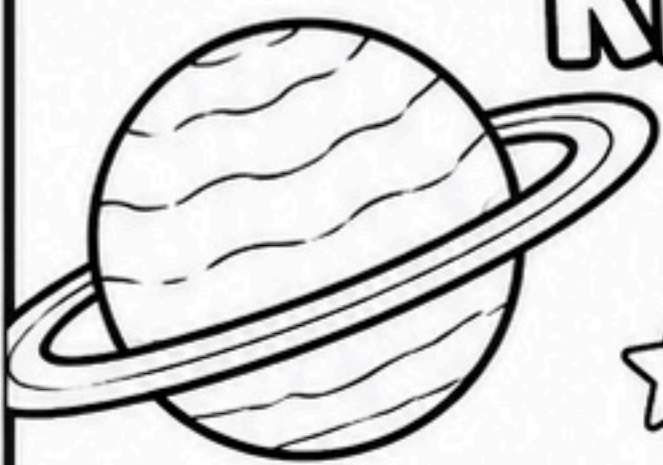


★ THE DREAM EXPLORERS CLUB ★

JADEN

REACHES FOR THE STARS

★ COLORING PAGE ★



DREAM BIG!
WORK HARD!
NEVER STOP
REACHING!



Every dream has the power to take you anywhere!



STEM
CHALLENGES

★ JADEN REACHES FOR THE STARS ★

Try these fun, hands-on STEM activities inspired
by Jaden's space adventure!



1 BUILD A ROCKET

Design and build a rocket
that can stand tall!



MATERIALS:

- Straws
- Tape
- Paper
- Cardboard
- Scissors

CHALLENGE STEPS:

- 1 Design your rocket.
- 2 Build it using your materials.
- 3 Stand it up on a flat surface.
- 4 Test it! Does it stand tall? What can you improve?

2 MOON CRATER EXPERIMENT

Discover how craters are formed
on the moon and other planets!



MATERIALS:

- Flour or sand
- Baking tray
- Cocoa powder
- Small balls (different sizes)

CHALLENGE STEPS:

- 1 Spread flour (or sand) in the tray.
- 2 Sprinkle cocoa powder on top.
- 3 Drop your balls from different heights.
- 4 Observe the craters you made. What do you notice?

3 DESIGN A SPACE HELMET

Create a helmet that would protect
an astronaut in space!



MATERIALS:

- Paper or cardboard
- Foil
- Tape
- Markers
- Scissors

CHALLENGE STEPS:

- 1 Design your helmet.
- 2 Build it using your materials.
- 3 Make sure it fits!
- 4 How does your helmet protect an astronaut?

4 PLANET COMPARISON

Compare planets in our solar
system!



MATERIALS:

- Internet or books
- Paper
- Pencils
- Colors

CHALLENGE STEPS:

- 1 Choose two planets.
- 2 Research their size, temperature, and unique features.
- 3 Create a comparison chart or poster.
- 4 Share what you learned!

5 LAUNCH PAD ENGINEERING

Build a launch pad that can hold a rocket (or object) steady!

MATERIALS:

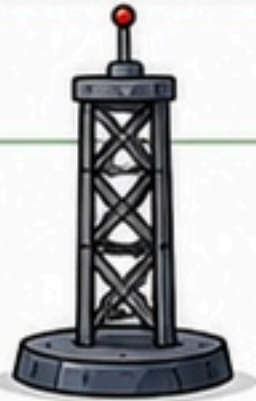
- Cardboard
- Tape
- Blocks or cups
- Small toy rocket or object

CHALLENGE STEPS:

- 1 Design a launch pad for your rocket.
- 2 Build a strong base.
- 3 Place your rocket on the pad.
- 4 Test it! Does your rocket stay in place?

THINK ABOUT:

- ★ What made your launch pad strong?
- ★ What would you change next time?
- ★ How do real engineers test their designs?



DREAM TIP! ★

Scientists and engineers
solve problems by asking
questions, trying ideas,
and never giving up!



THINK & SHARE

Which challenge was your favorite?
What did you learn?
How can you use what you learned
in the real world?



STEM VOCABULARY

JADEN REACHES FOR THE STARS

Learn these important words from Jaden's space adventure!

WORD	DEFINITION	EXAMPLE SENTENCE
1 Astronaut 	A person who travels in space.	Jaden dreams of becoming an astronaut one day.
2 Rocket 	A vehicle that is used to travel into space.	Jaden built a rocket for the science fair.
3 Orbit 	The path a planet or object takes around another object in space.	The moon orbits around the Earth.
4 Gravity 	A force that pulls objects toward each other.	Gravity keeps us on the ground.
5 Crater 	A bowl-shaped hole on a planet or moon.	The moon has many craters on its surface.
6 Launch 	To send a rocket or spacecraft into the air or space.	The rocket will launch at 3:00 p.m.
7 Telescope 	An instrument used to see distant objects in space.	Jaden used a telescope to look at the stars.
8 Mission 	An important task or journey with a special goal.	Jaden's mission is to explore space and learn new things.
9 Comet 	A space object made of ice, dust, and rock that grows a tail when near the sun.	We saw a bright comet in the night sky!
10 Galaxy 	A large group of stars, planets, and other space objects.	Our Milky Way is a galaxy.

★ FUN FACT! ★

There are more stars in the universe than grains of sand on all the beaches on Earth!



USE IT!

Pick 3 vocabulary words from above and write them in a sentence of your own!

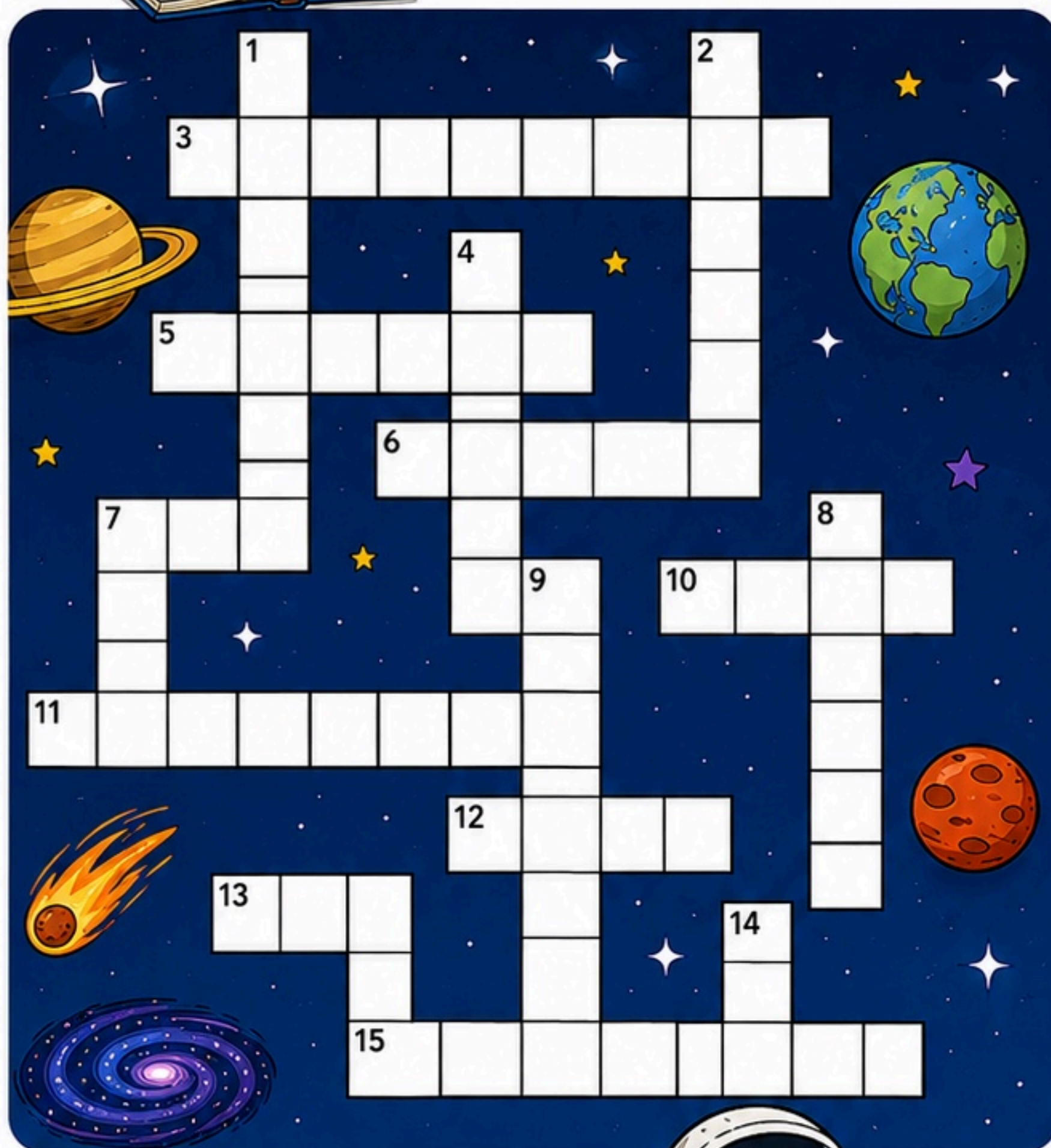
1. _____
2. _____
3. _____



SPACE CROSSWORD

JADEN REACHES FOR THE STARS

Use the clues to fill in the crossword puzzle.
All the answers are about space!



★ ACROSS ★

3. The path a planet takes around another object.
5. A large group of stars, planets, and other space objects.
6. A vehicle used to travel into space.
7. A rocky object that travels through space.
8. The force that pulls objects toward each other.
9. A person who travels in space.
11. A large object that orbits a star.
12. An instrument used to see distant objects.
13. To send a rocket into the air or space.
14. A spinning cloud of stars, gas, and dust.
15. A natural hole on a planet or moon.

★ DOWN ★

1. A small, rocky body that orbits the Sun.
2. The star at the center of our solar system.
4. The Earth's natural satellite.
8. The star system that includes the Sun and all the planets.
10. The study of stars, planets, and space.

★ FUN FACT! ★

Some galaxies have hundreds of billions of stars! That's a lot of twinkling light!



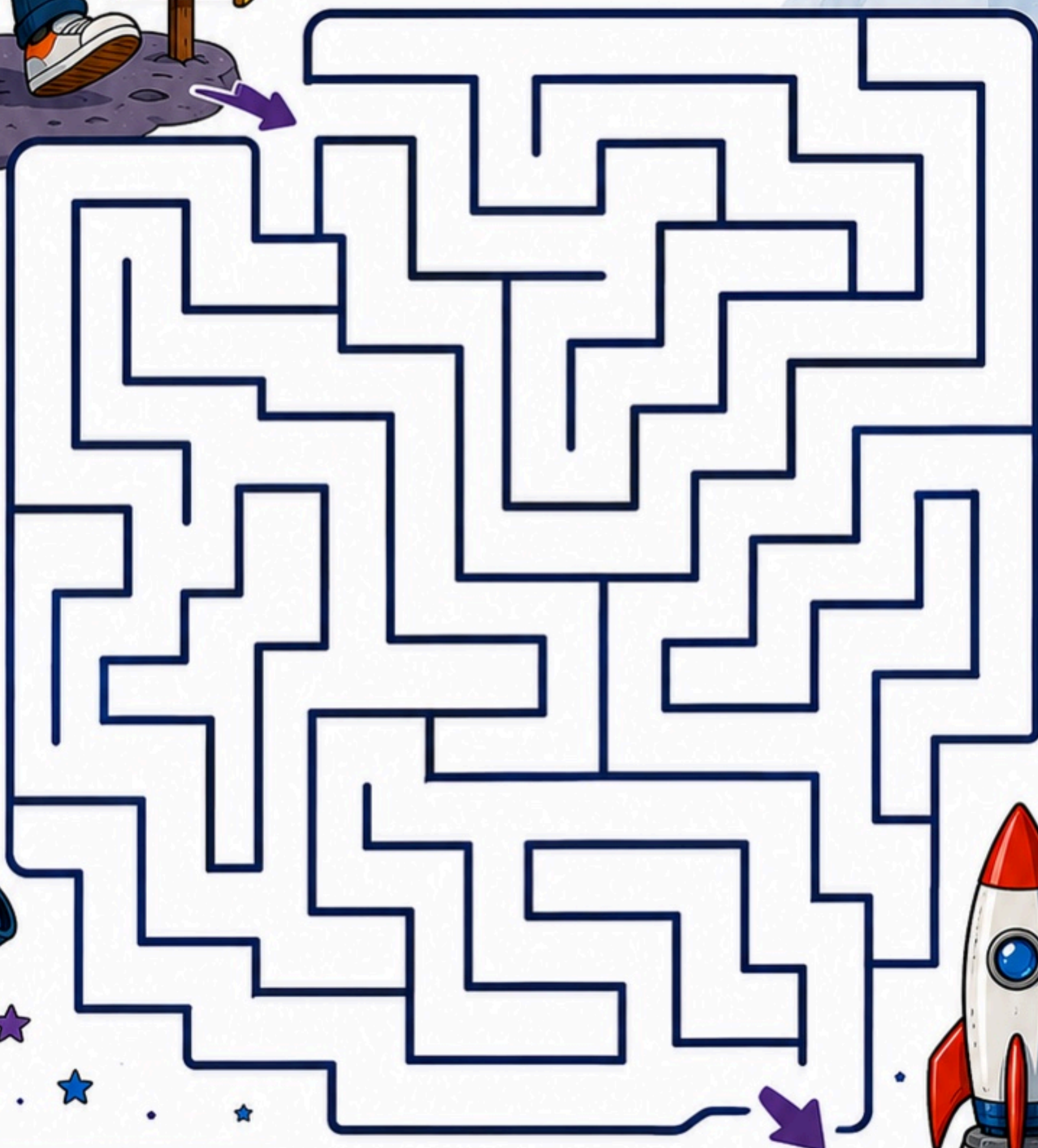
DREAM BIG!

Keep exploring, keep learning, and never stop reaching for your dreams!

ROCKET LAUNCH MAZE

JADEN REACHES FOR THE STARS

Help Jaden find his way through the maze to launch his rocket into space!



LAUNCH PAD

EXPLORER TIP!

Stay focused,
think ahead,
and believe in your mission—
you can reach
any dream!

THE
DREAM
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CLUB

Dream it. Explore it. Achieve it! You are a Dream Explorer!

STAR OBSERVATION

★ JADEN REACHES FOR THE STARS ★

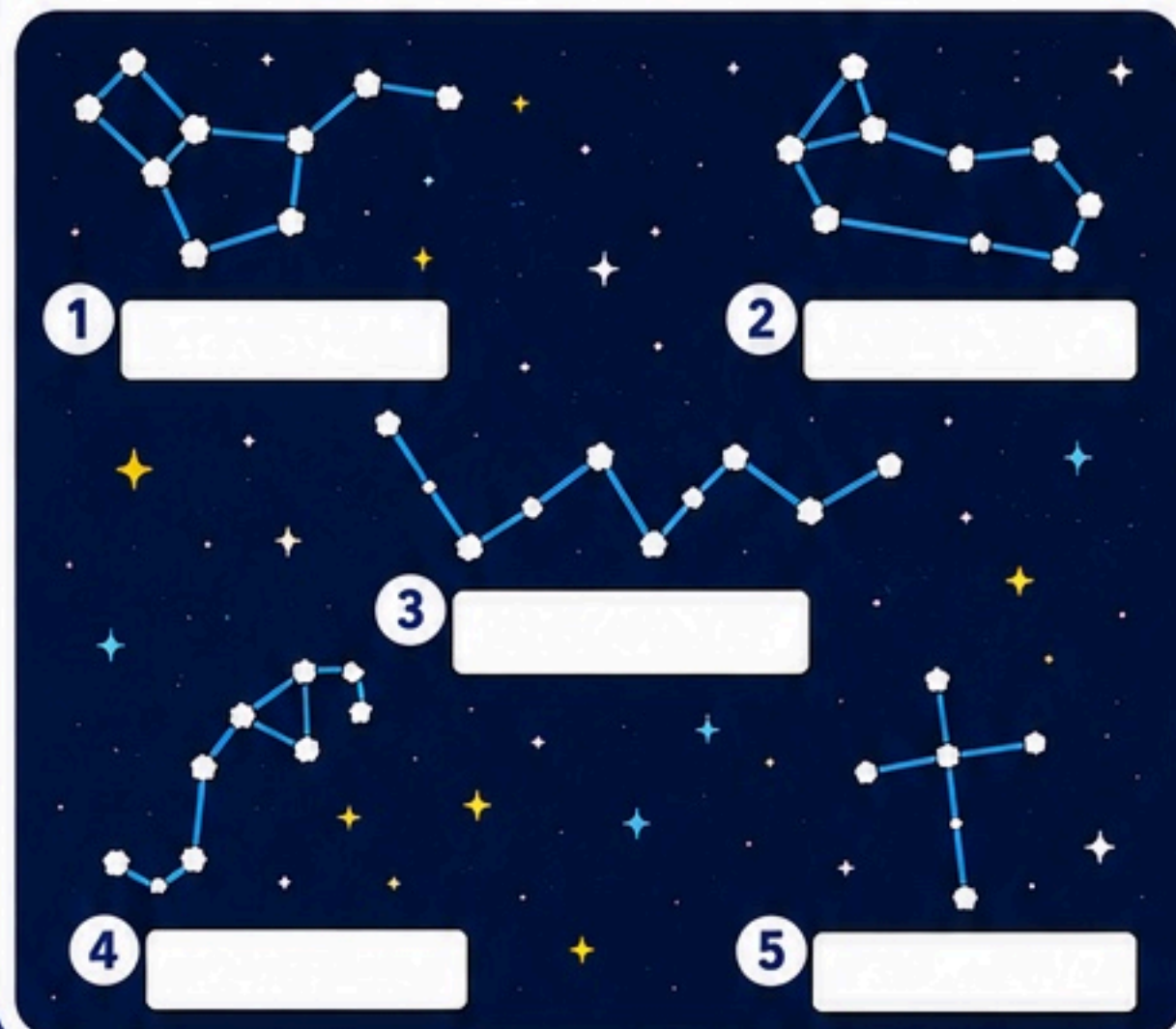
Look up! The night sky is full of amazing wonders.
Let's explore the stars together!



1 LABEL THE CONSTELLATIONS

Write the name of each constellation from the box below.

Orion + Big Dipper + Cassiopeia
Scorpius + Southern Cross



2 STAR FACTS

Read each fact. Write TRUE or FALSE in the box.



- 1 Stars are huge balls of hot gas.
- 2 The Sun is a star.
- 3 Stars only come out in the daytime.
- 4 The closest star to Earth is called Sirius.
- 5 Stars are all the same size.
- 6 Stars can be different colors.
- 7 A group of stars that forms a pattern is called a constellation.

3 MY STAR OBSERVATION

Go outside at night and look up at the sky.
Draw what you see in the box. Then answer the questions.



★ ★ ★ ★ ★

★ What did you see in the sky? _____

★ How many stars could you see? _____

★ Was there a moon? Yes ☐ No ☐

★ What was your favorite thing you saw? _____

★ _____

💡 DID YOU KNOW?

Some stars are so big that millions of Earths could fit inside them!



STARGAZER TIP!

- ★ Find a dark place.
- ★ Look up and be patient.
- ★ Use a telescope or binoculars if you have them.
- ★ Bring a blanket and enjoy!

💬 DREAM & SHARE

What do you dream of discovering in space one day?



BUILD A CONSTELLATION

JADEN REACHES FOR THE STARS

Create your own constellation using stars and your imagination!

MATERIALS:



Toothpicks



Mini marshmallows
(or clay balls)



Black paper
(or dark
construction paper)



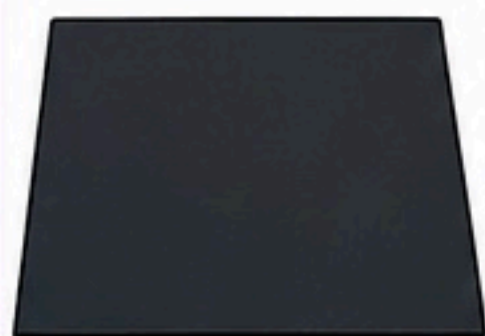
SAFETY FIRST!

- Use toothpicks carefully.
- Do not put marshmallows in your mouth.
- Ask an adult if you need help.

STEP-BY-STEP INSTRUCTIONS

1

Place your black paper on a flat surface.



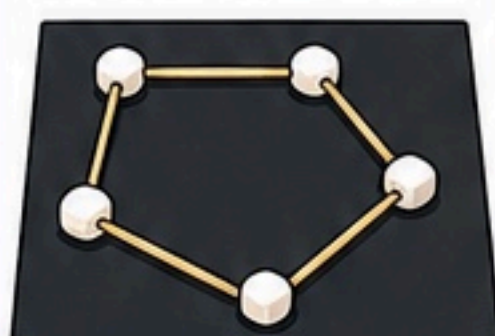
2

Use the marshmallows as stars. Place them on the paper.



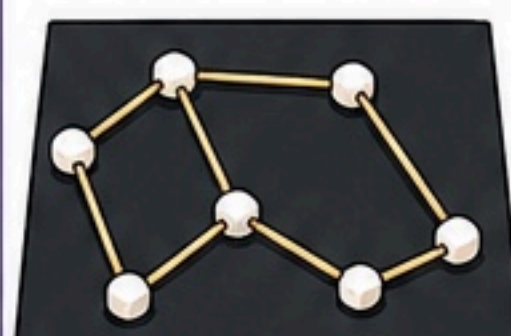
3

Use toothpicks to connect the stars and make lines.



4

Create your own constellation or copy one from the night sky!



5

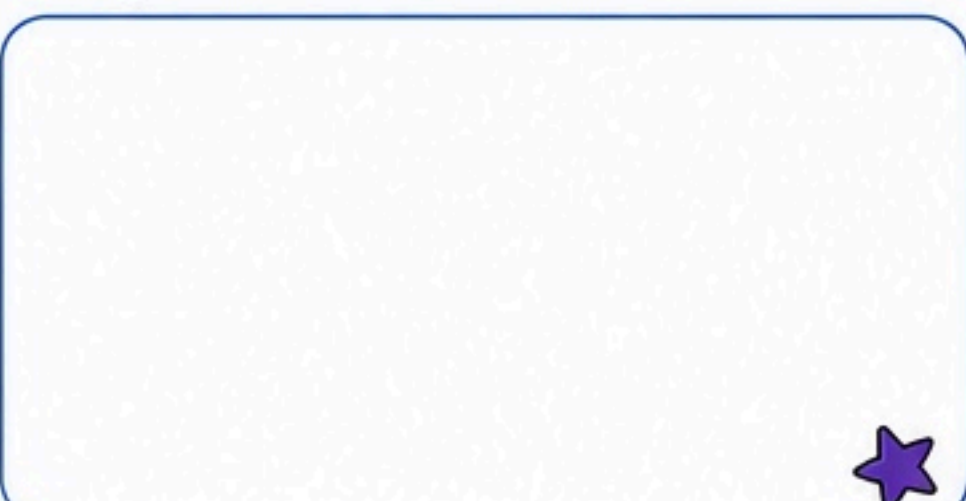
Give your constellation a name and share your creation!



6 NAME AND DRAW

What is the name of your constellation?

Draw your constellation below.



7 CONSTELLATION REFLECTION

Answer the questions about your constellation.

- ★ Why did you choose this name? _____
- ★ Which part was the most fun? _____
- ★ How does your constellation look like an animal, object, or person? _____
- ★ What other constellations would you like to learn about? _____



DREAM EXPLORER TIP!

Constellations are stories in the stars! Use your imagination to connect the dots and see what you can create!



FUN FACT!

Ancient people used constellations to tell stories, find directions, and track the seasons!



THINK & SHARE

If you could create a constellation for your dream, what would it look like?



MOON PHASES

JADEN REACHES FOR THE STARS

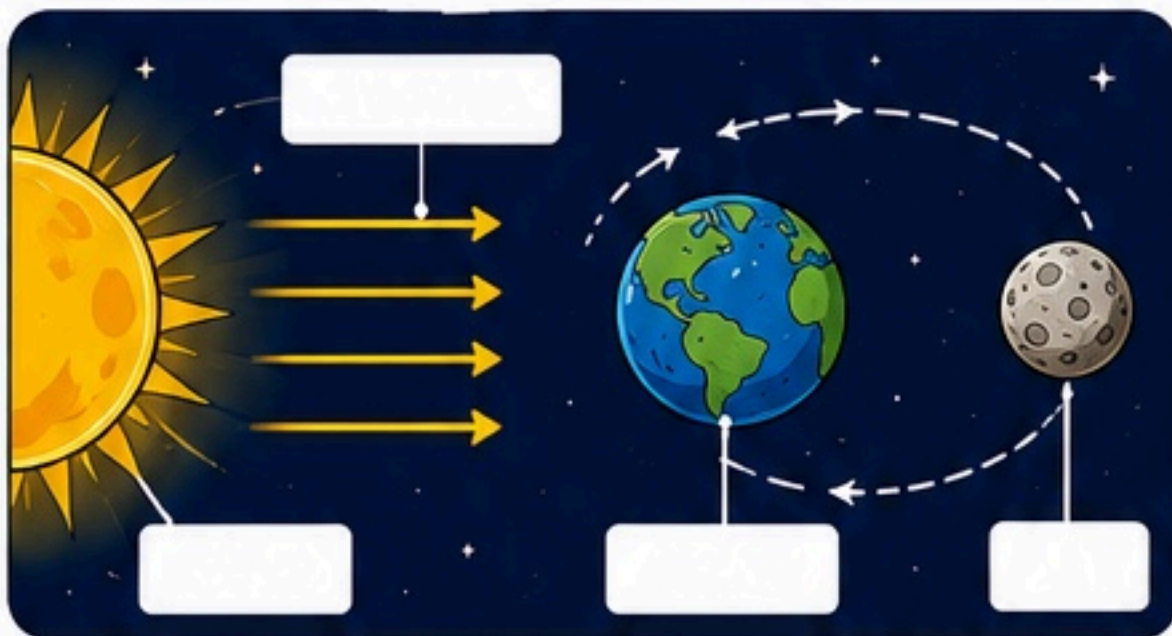
The Moon changes shape in the sky!
Let's observe and learn about the phases of the Moon.



1 WHAT CAUSES MOON PHASES?

Read the explanation and label the diagram using the words from the box.

Sun + Earth + Moon + Sunlight



The Sun's light shines on the Moon.
As the Moon orbits Earth, we see different parts of the Moon's lit side. This is why the Moon looks like it changes shape!



2 PHASES IN ORDER

Cut and paste the Moon phases in the correct order starting with New Moon.

1	2	3	4
5	6	7	8



3 OBSERVATION ACTIVITY

Go outside at night and observe the Moon.
Draw what you see and answer the questions.



- ★ Date: _____
- ★ Time: _____
- ★ What phase is the Moon?

- ★ Is the Moon bright or dim?

- ★ What do you notice about the Moon?

DREAM EXPLORER TIP!

The Moon takes about 29.5 days to go through all its phases!



FUN FACT!

We always see the same side of the Moon from Earth!



What do you think it would be like to walk on the Moon?





DREAM. DISCOVER. EXPLORE.



OBSERVATION JOURNAL

Look closely, Observe carefully.
Record your discoveries!



Date: _____ Time: _____ Location: _____

1 WHAT I OBSERVED

Draw or describe what you saw.



2 DETAILS I NOTICED

Write or list the details you observed.



3 WHAT I WONDER

What questions do you have about what you observed?



4 MY OBSERVATION CHECKLIST

Check the things you used or did.

- ☐ I used my eyes to look closely.
- ☐ I used a tool (telescope, magnifier, etc.).
- ☐ I listened carefully.
- ☐ I took notes or drew a picture.
- ☐ I asked questions.
- ☐ I stayed focused and curious!



5 SOMETHING NEW I LEARNED

Write or draw one new thing you learned.



6 HOW I FELT

How did you feel during your observation?



Why did you feel that way?



7 MY NEXT STEP

What would you like to observe next time? What will you do?



OBSERVE TODAY. UNDERSTAND TOMORROW. DREAM BIG!





THE DREAM EXPLORERS CLUB

CONTINUE YOUR JOURNEY!



Every explorer's adventure is never really over.
Keep dreaming, keep learning, and keep exploring
the amazing world around you!



1 WHAT WAS YOUR FAVORITE PART OF THE STORY?

Write or draw your favorite part.

2 WHAT DID YOU LEARN?

Write one new thing you learned from this adventure.

3 WHERE WILL YOUR DREAM TAKE YOU?

What would you like to explore or learn about next?

4 MY NEXT BIG IDEA!

Draw or write an idea for your next adventure.



KEEP EXPLORING!

You showed great curiosity,
bravery, and imagination.
Keep reaching for the stars—
your next adventure
is waiting!





THE DREAM EXPLORERS CLUB



CERTIFICATE OF ACHIEVEMENT

This certificate is proudly presented to

for showing curiosity, exploring new ideas,
and completing the STEM activities with
creativity and determination.

You are a Dream Explorer!

Signature

Date



★ KEEP DREAMING. KEEP EXPLORING. KEEP ACHIEVING! ★