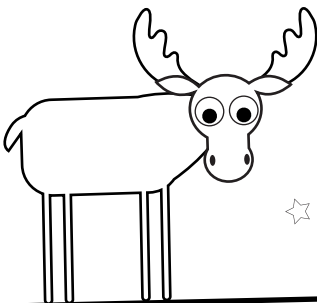
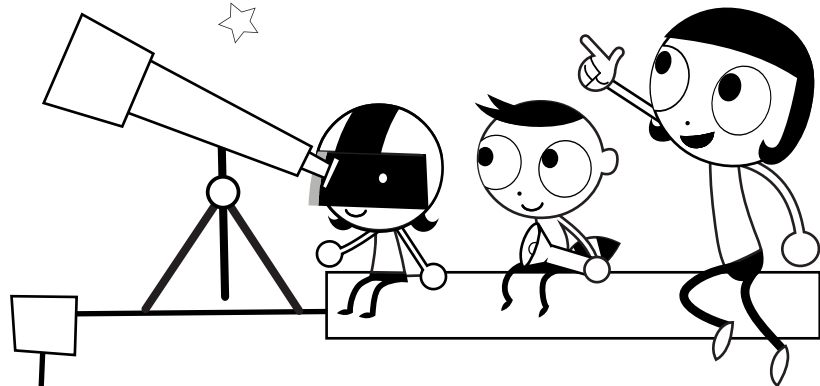




# Summer of Possibilities

# Exploring Space





# Summer Activities for Families



Play and learn this summer with PBS KIDS! Get started with the hands-on activity collections below or visit [pbskids.org](http://pbskids.org), the PBS KIDS Video app, and the PBS KIDS Games app for more ideas and fun. Remember to follow @PBSKIDS for great summertime activities for the whole family.

## EXPLORE

SUMMER COLLECTIONS

## PLAY & LEARN

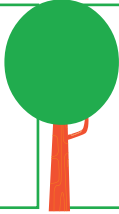
FREE ACTIVITIES ON [pbskidsforparents.org/summer](http://pbskidsforparents.org/summer)

## CELEBRATE WITH FAMILY NIGHT

FRIDAYS ON THE PBS KIDS 24/7 CHANNEL AND VIDEO APP



### Observing Nature



You and your child can try a scavenger hunt, go on a weather walk, or read and play with this nature-themed playlist and activity collection. What's the biggest tree you can find?

Tally Ho! Nature Cat, Hal, Daisy, and Squeeks are hitting the trails to learn about birds, bugs, and...strawberries? Tune in for a sweet NATURE CAT marathon June 4.

### Making Family Traditions

Does your family have a favorite tradition? Get inspired to create your own with this collection of crafts, music, and story clips.

Join Molly, Tooeey, and Trini for a night of adventure as they explore family stories, Alaska Native traditions, and the great outdoors in MOLLY OF DENALI. Tune in on June 11.

### Sharing Your Creativity through Art

Spark creativity with games from SCRIBBLES AND INK! This special collection of resources is designed to get you and your child singing, dancing, drawing, and laughing.

It's a pinka-party and your family is invited to paint, draw, and dance with PINKALICIOUS & PETERRIFIC! Join the fun on June 18.

### Being a Good Friend and Neighbor



What makes family and friends special? There are lots of things kids can do to celebrate neighbors and friends. This collection will help them learn about their role in the community.

There's a new neighborhood at PBS KIDS! It's the world of DONKEY HODIE from the makers of DANIEL TIGER'S NEIGHBORHOOD. Tune in June 25 to see how Donkey Hodie and her pals use teamwork and laughter to accomplish amazing things.

### Exploring Space at Home

Build a rocket ship, go stargazing, or imagine life on another planet with this collection of space-themed games, activities, and an out-of-this-world playlist.



Jet Propulsion is the kid next door AND an alien! Join him - along with his family and friends - as they explore the far reaches of outer space in two specials from READY JET GO! on July 2.



[pbskidsforparents.org/summer](http://pbskidsforparents.org/summer)



# Summer Activities for Families



## EXPLORE

SUMMER COLLECTIONS

## PLAY & LEARN

FREE ACTIVITIES ON [pbskidsforparents.org/summer](https://pbskidsforparents.org/summer)

## CELEBRATE WITH FAMILY NIGHT

FRIDAYS ON THE PBS KIDS 24/7 CHANNEL AND [VIDEO APP](#)

### Playing with Water

Whether it's frozen or melted, water is a wonderful way to inspire your child's curiosity. Find playful activities in this water-themed collection.



### Investigating Animals

Crawl like an ant, jump like a frog, and gallop like a horse! Inspire young learners to sing, play, and laugh with this special collection of animal-themed resources.



### Reading and Sharing Stories

Words can take your child anywhere. Use the activities in this collection to help them build literacy skills and create and share family stories.

Get ready to travel through time with XAVIER RIDDLE AND THE SECRET MUSEUM! The fun starts on July 23 when Xavier, Yadina, and Brad meet real-life storytellers Mark Twain, Zora Neale Hurston, and Maya Angelou.

### Creating Daily Routines for Kids

It's always a good time to brush up on everyday routines with your child like greeting friends, picking up toys, and getting ready for bed. This collection is filled with tips and ideas!

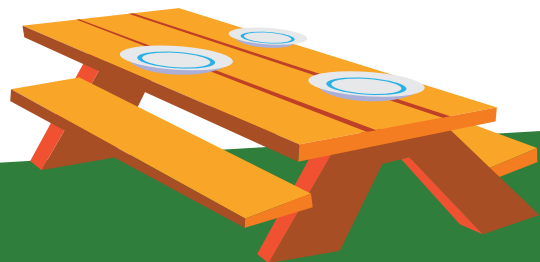


It's scary and exciting to do something for the first time. Pick up tips, songs, and strategies from Daniel as he explores new things during the DANIEL TIGER'S NEIGHBORHOOD marathon on July 30.

### Going Back to School

Preparing for a new school year can stir up lots of emotions for your child. Use the activities in this collection to plan ahead and practice first day routines together.

"That is so interesting!" Everyone wonders about the world, including Elinor from ELINOR WONDERS WHY. She's curious just like your child! Join her on August 6 as she learns to ask questions and solve puzzles.



[pbskidsforparents.org/summer](https://pbskidsforparents.org/summer)



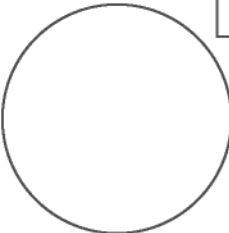
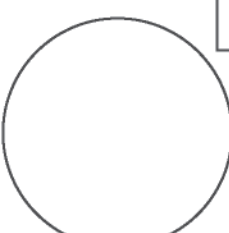
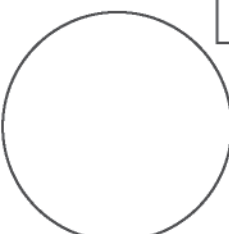
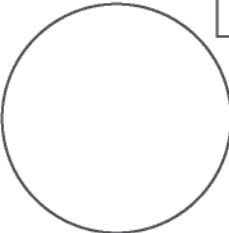
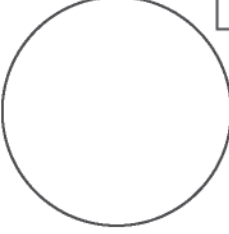
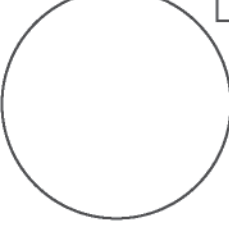
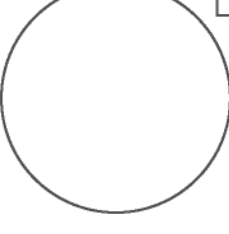
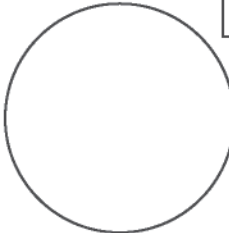
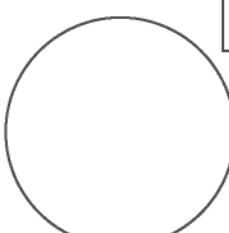
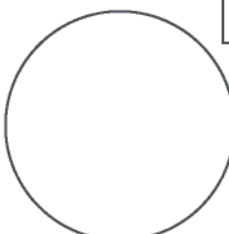
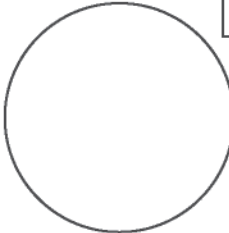
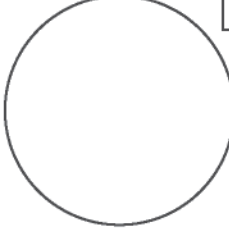
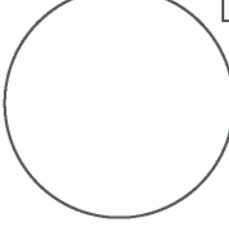
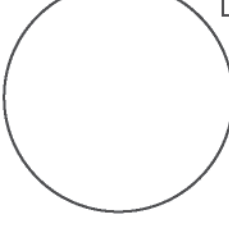
# Moon Journal

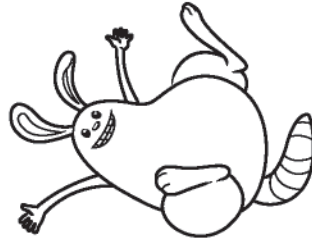
Name \_\_\_\_\_

Did you know that the moon doesn't actually change shapes? This "change" is really the shadow of the Earth as it blocks the Sun's light from reaching the Moon. From Earth, the moon will appear to have different shapes depending on where it is in the Earth's orbit.

**Look up at the moon each night at the same time and draw what you see!**

Date observations started: \_\_\_\_\_ Time to Check Moon Each Night: \_\_\_\_\_

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 Date: _____	 Date: _____	 Date: _____	 Date: _____	 Date: _____	 Date: _____	 Date: _____
 Date: _____	 Date: _____	 Date: _____	 Date: _____	 Date: _____	 Date: _____	 Date: _____



New Moon



Waxing Crescent



First Quarter



Waxing Gibbous



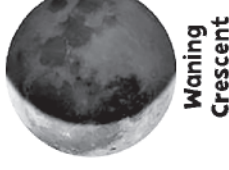
Full Moon



Waning Gibbous



Last Quarter



Waning Crescent

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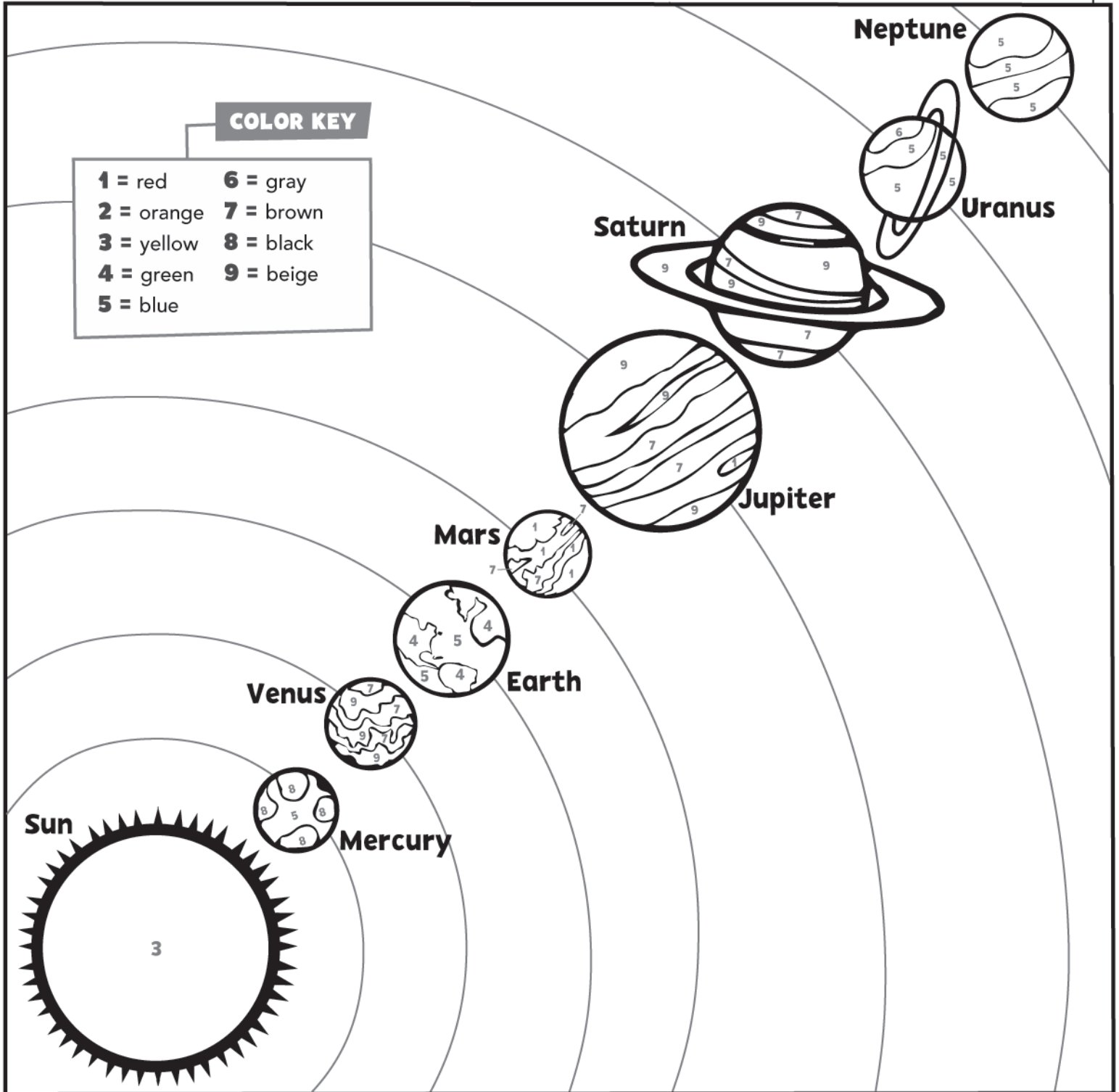
Name \_\_\_\_\_

# Our Solar System

Did you know that each planet in our solar system looks like a certain color when seen from space? For example, Mars looks red because of its iron-rich soil. Use the number key to color the planets and sun.

### COLOR KEY

- |            |           |
|------------|-----------|
| 1 = red    | 6 = gray  |
| 2 = orange | 7 = brown |
| 3 = yellow | 8 = black |
| 4 = green  | 9 = beige |
| 5 = blue   |           |



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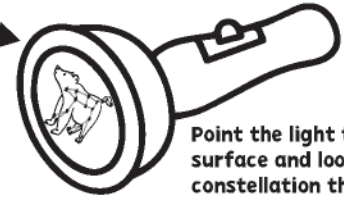
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# Flashlight Constellations

A constellation is a series of stars that form a picture in the sky. Astronomers use it today to help pinpoint the locations of other stars. Ask an adult to help cut out the four constellations and punch small holes on each star. These points are the locations of the stars in each constellation.

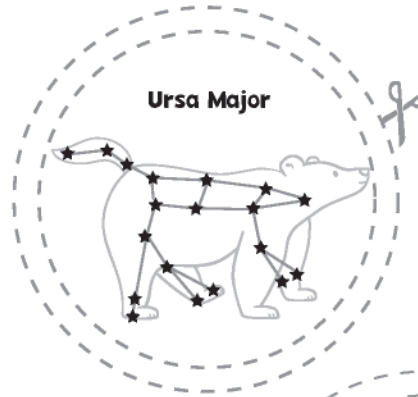
Choose the size circle that fits on your flashlight lens, cutting along the inner or outer dashed circle. Flip the picture so it's facing the flashlight.



Point the light to a dark surface and look at the constellation that shines through. One at a time, identify each constellation and talk about how you identified them.

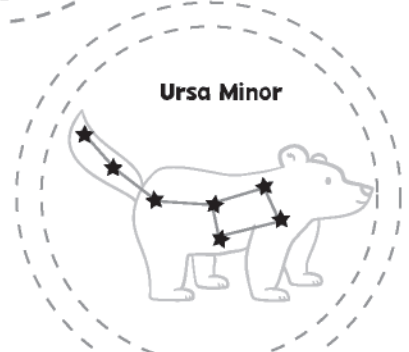
## URSA MAJOR

Ursa Major is also known as The Great Bear. Ancient Greeks tell the story about a beautiful girl named Callisto who was turned into a bear by a mean goddess. A tracker tried to catch the bear, but the Greek God Zeus saved Callisto by placing her up in the night sky where she was safe.



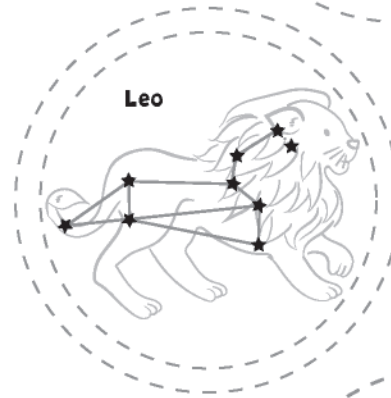
## URSA MINOR

The story of Ursa Minor, or The Little Bear, comes from the Ancient Greeks. Arcas was a great hunter. One day while hunting in the woods, he came across a great bear. Little did he know that was actually his mother, Callisto, who was under a spell. Arcas was about to catch the great bear, but the Greek god Zeus, stopped him just in time and turned Arcas into a little bear so he could be with his mom. Zeus placed the two bears into the sky to keep them safe and protected.



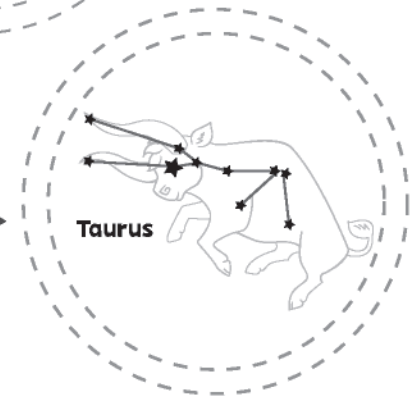
## LEO THE LION

In Greek myths, Leo the Lion lived outside an ancient city called Nemea. For many years, Leo would scoop up people from Nemea and no one would stop him. One day, Hercules went to stop the lion and won. Everyone who the lion had caught was set free. Zeus made Leo a constellation in the night sky to remind people of the story of Hercules and Leo.



## TAURUS THE BULL

The Ancient Greeks tell the story of a wild bull named Taurus who had a bad temper. One day he trampled a field of wild flowers and Persephone, the Goddess of Spring, got very sad. Taurus apologized and they soon became good friends. From then on, every spring, Persephone would ride on Taurus' back and the two of them would make the flowers bloom as they walked by.





# Flashlight Constellations

## Constellation Key

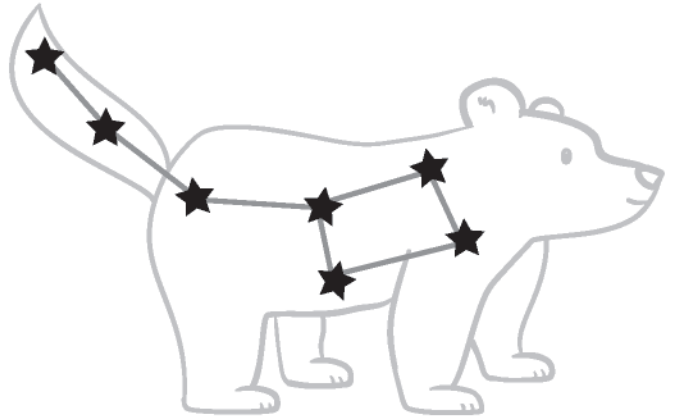
### URSA MAJOR

#### The Great Bear



### URSA MINOR

#### The Little Bear



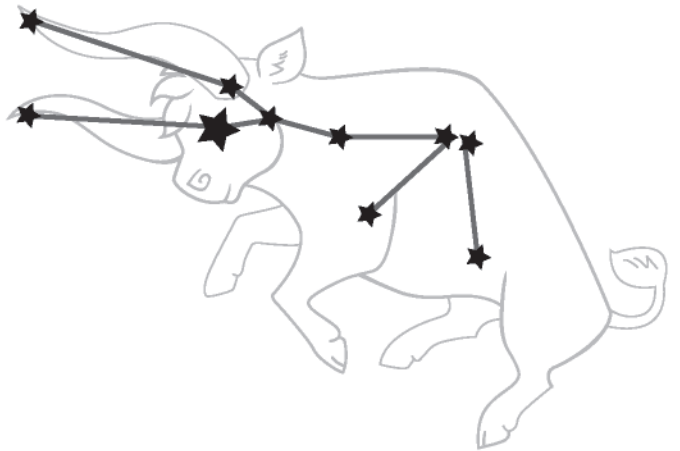
### LEO

#### The Lion



### TAURUS

#### The Bull





# Ready Jet Go! Rocket Launcher



## Three...two...one...blast off! Defy gravity with rocket engineering.

Ever wonder what it takes to send a rocket into space? Gravity—the force that pulls things down to the Earth—can make rocket launching tricky, but not impossible!

Use engineering, household items and your own imagination to solve this challenge.

### Materials

- Printable Rocket Template (next page)
- Empty plastic water bottle with lid
- Scissors or cross-head screwdriver
- Markers or crayons
- Straw
- Clear Tape
- Duct tape

How can you make a rocket go UP when gravity is always pulling things DOWN? We can do it by creating another force that's stronger than gravity—even if just for a little while!

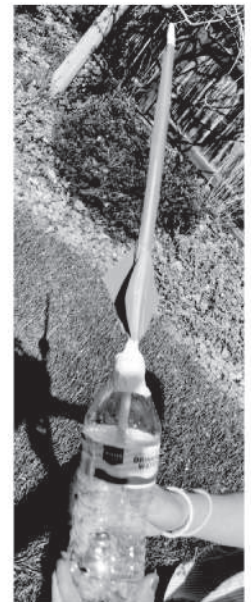


### Create Rocket and Launcher

1. Print the rocket template, color, and with an adult's help, cut out as directed.
2. To make your rocket, first form a tube by rolling the body template around a straw (a recycled straw is better for the environment). Remove the straw. Then create a tip by folding over one end of the tube and taping it with duct tape. To the other end tape the three fins to help stabilize the rocket.
3. To make the rocket launcher, have an adult cut a hole in the water bottle lid just big enough for the straw to fit through. (Try using the end of scissors or cross-head screwdriver on a cutting board.) Screw the lid back on the bottle and insert the straw, leaving only an inch inside the bottle. Wrap duct tape around the lid to seal the hole and secure the straw.

### Use and Improve your Paper Rocket Launcher

1. Blow air into the launcher through the straw. Then place the rocket on the straw. To launch your rocket, push the air out of the bottle by squeezing it quickly and firmly with both hands. What if you didn't want the rocket to go so high? What could you do differently?
2. Can you find ways to improve your rocket or launcher design to make the rocket go higher? For example, what could a bigger bottle do? How might you change the rocket itself?
3. Add a payload—a passenger or cargo—to your rocket. Attach something small and light, like a small plastic toy or paper clip. What happens? Try changing the weight, size or location. How does this affect your rocket?
4. Sean learns from astronaut Ellen Ochoa that creative play is an important way to prepare for space exploration. Use your paper rocket launcher and create your own space adventure! Where will your rocket take you? Maybe a trip to discover a new solar system, a new star or even a visit to Bortron 7? Invite friends or siblings to join in your creative play.



**For more games and activities visit [pbskidsforparents.org](http://pbskidsforparents.org)**

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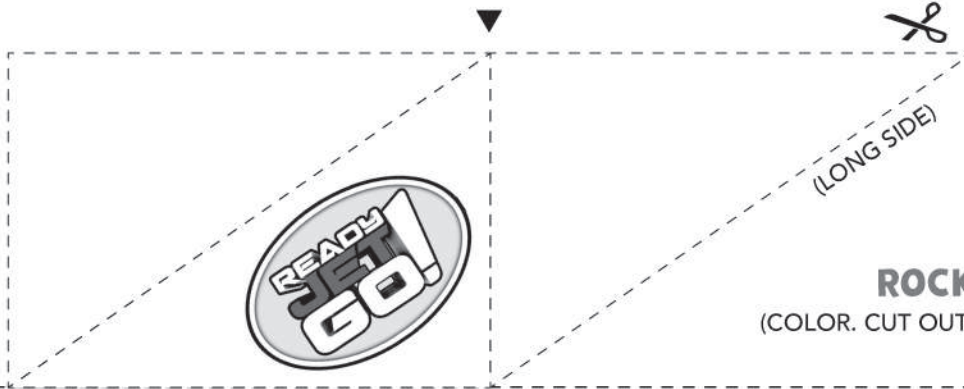


# Rocket Template & Instructions



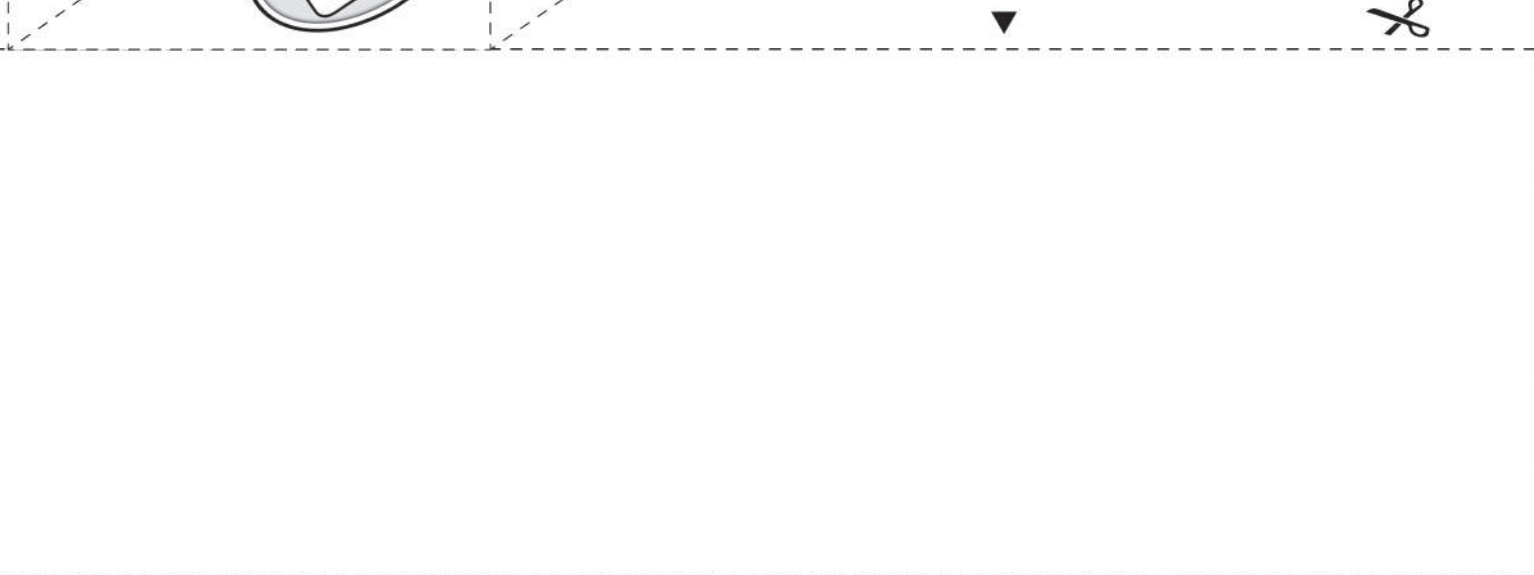
## THREE ROCKET FINS

(COLOR. CUT OUT. TAPE LONG SIDE TO ROCKET BODY.)



## ROCKET BODY

(COLOR. CUT OUT. ROLL AROUND STRAW.)



## Instructions

- 1 STRAW
- 2 ROLL PAPER AROUND STRAW AND TAPE. REMOVE STRAW.
- 3 FOLD OVER AND TAPE.
- 4 TAPE ALL THREE FINS ON.
- 5 REMOVE LID
- 6 CUT HOLE IN LID
- 7 ATTACH LID
- 8 TAPE
- 9 SLIDE ROCKET ONTO LAUNCHER

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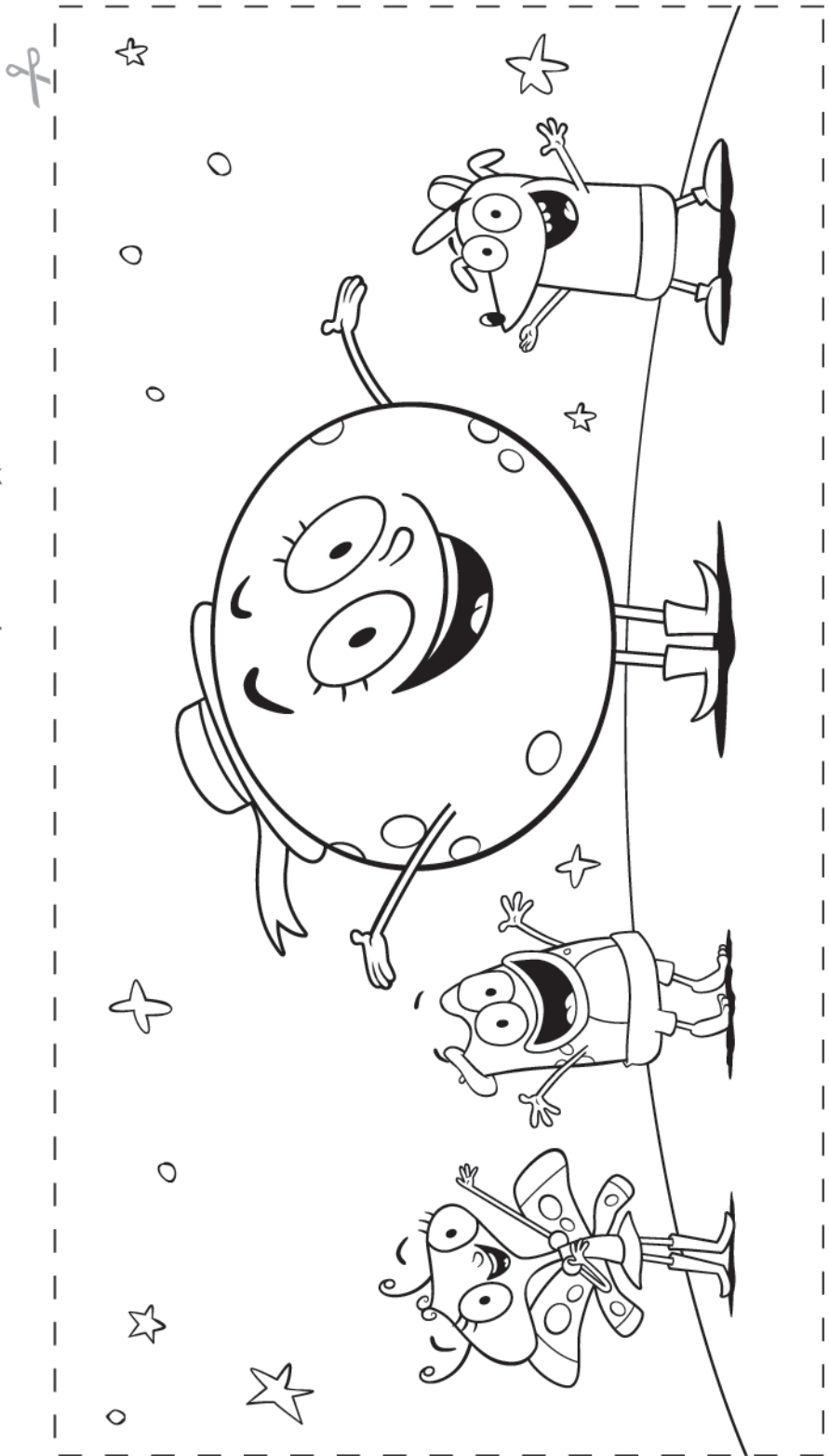
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# Design Your Own Telescope

- \* Color this page and ask a grown-up to help cut along the dashed lines.
- \* Wrap it around a paper tube and then tape the edges of the sheet together.
- \* Use your new telescope to look at the moon, stars, or objects around you!
- \* Make a map of what you found.



Find more games and activities at [pbskidsforparents.org](http://pbskidsforparents.org)

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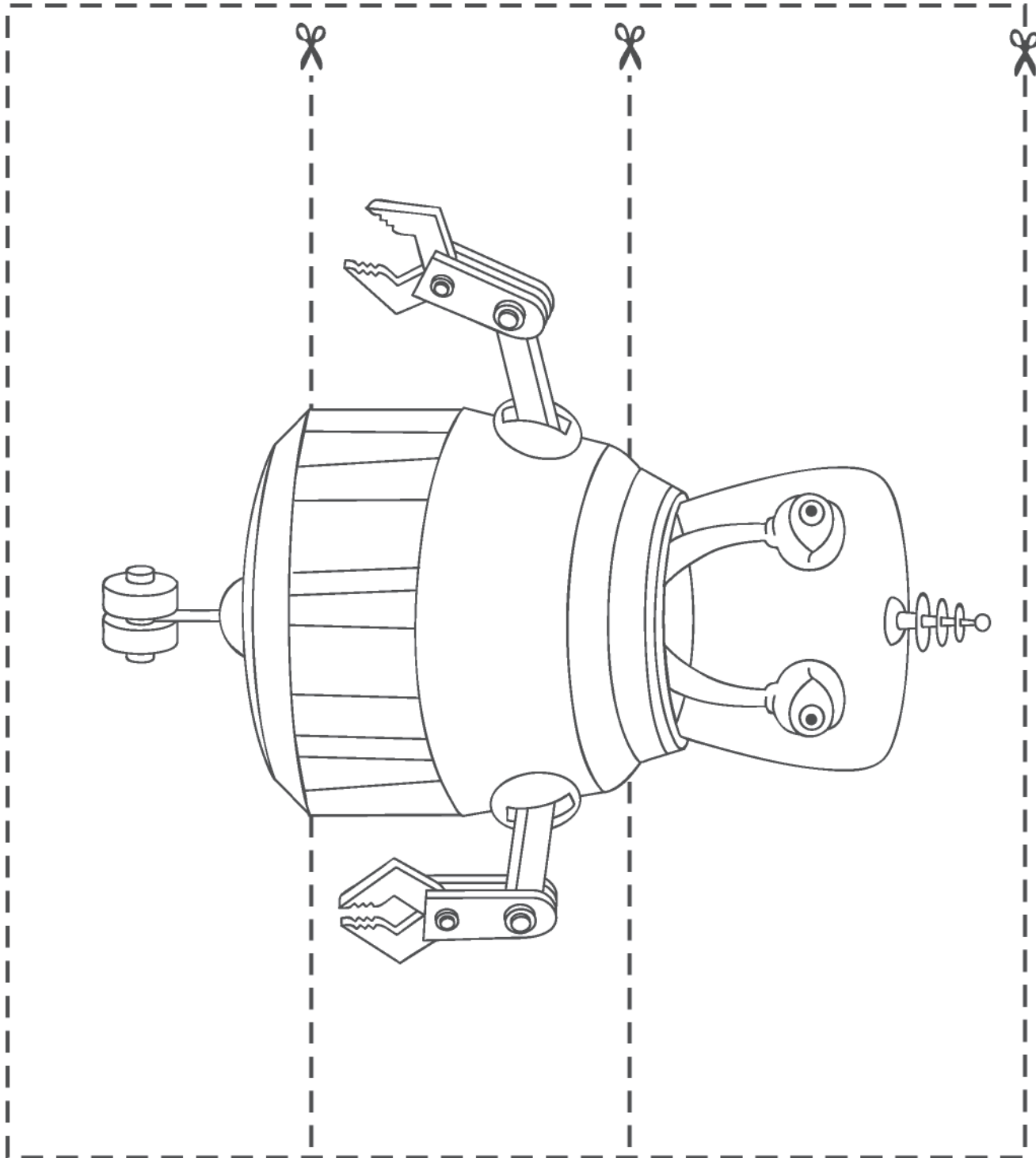
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# Cosmic Combos

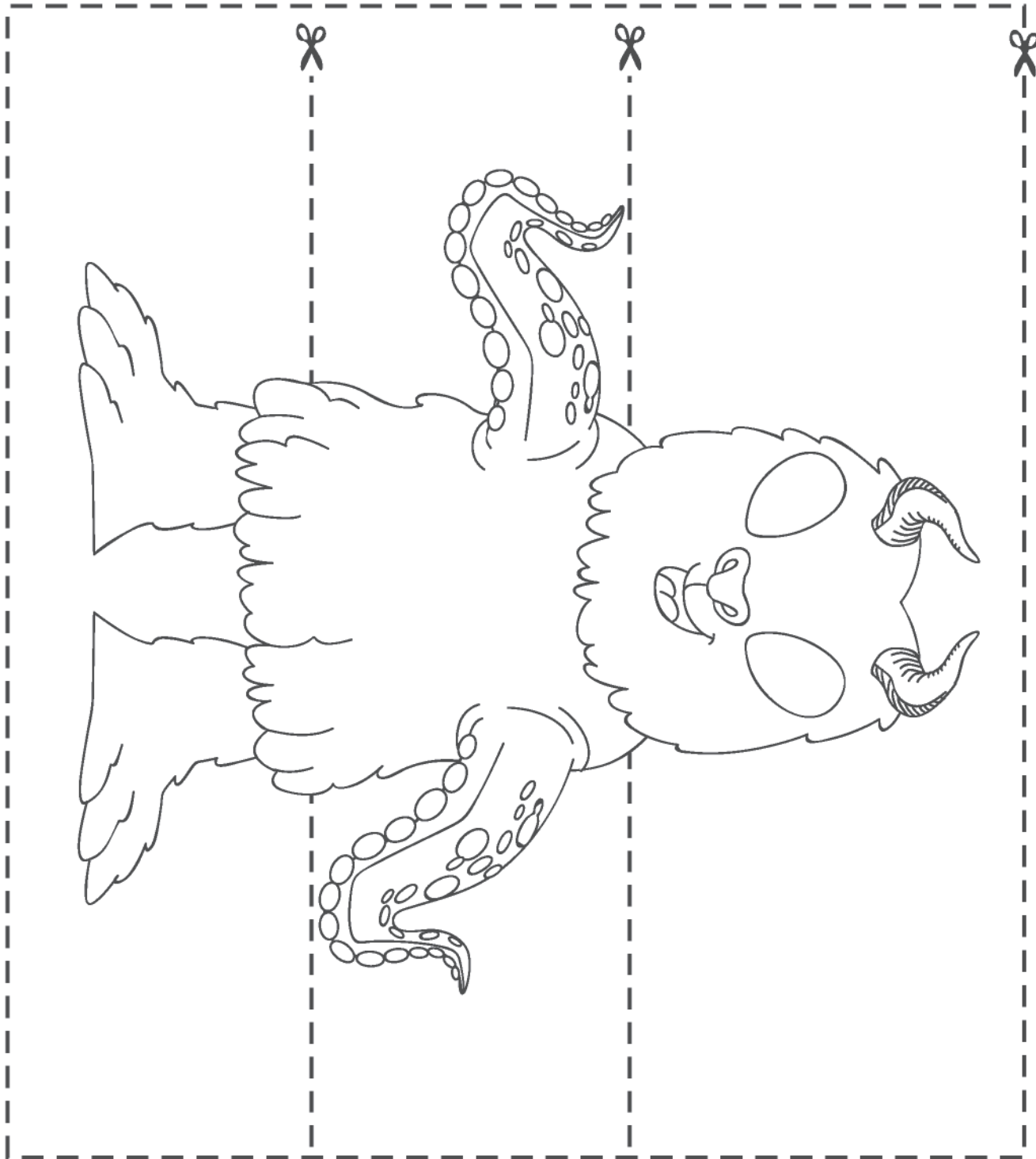
Create an alien invasion! Each of these aliens is divided into three parts: top, middle, and bottom. Print and color the aliens, then cut them into separate pieces. Mix and match the parts to make new creatures!





# Cosmic Combos

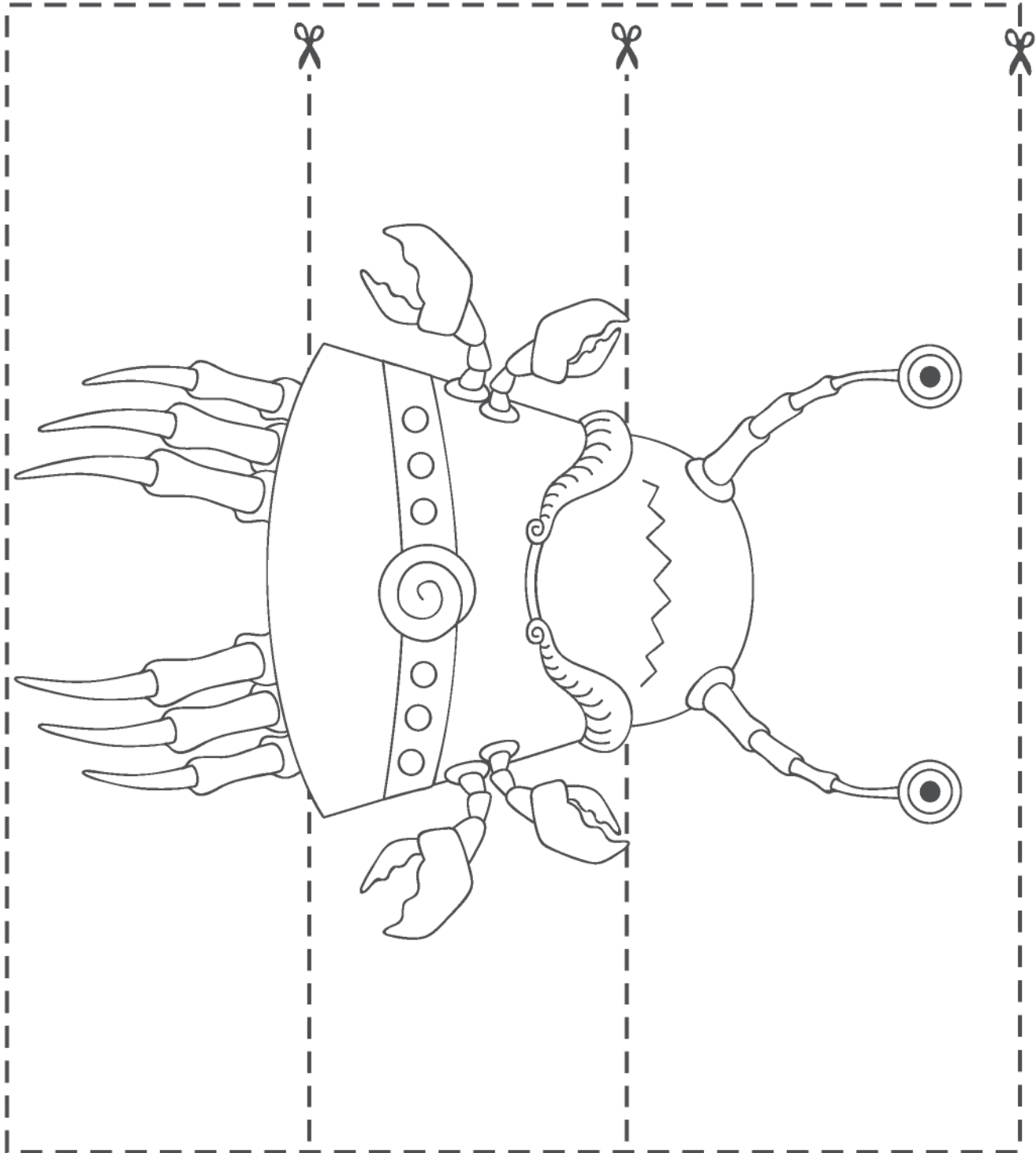
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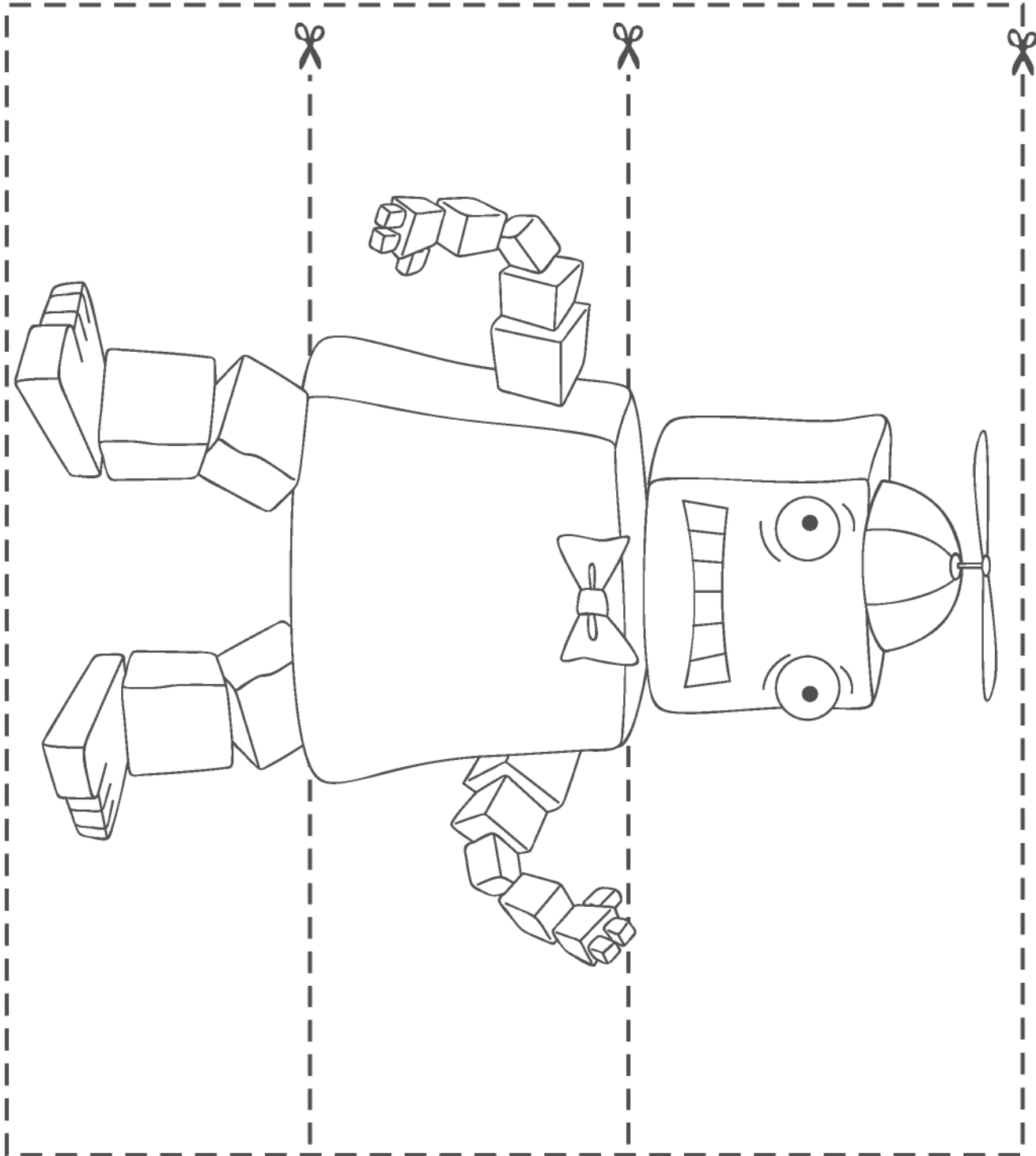
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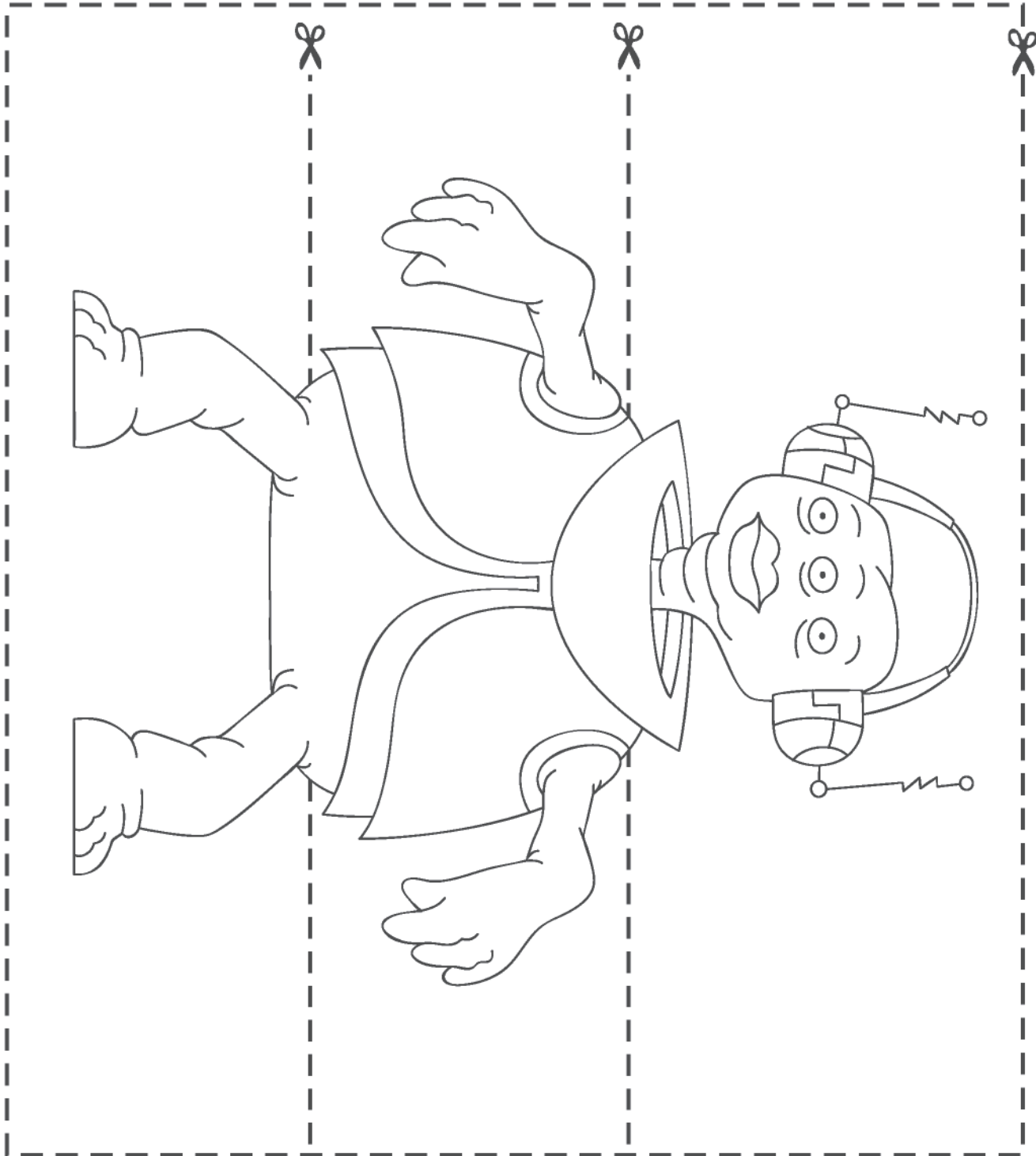
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# Cosmic Combos

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# Learn at Home with PBS KIDS

**Schedule Begins May 3, 2021**

Explore reading, math, science, life lessons, and more on the PBS KIDS 24/7 channel and live stream! The TV schedule below offers you and your child a chance to learn anytime alongside your friends from PBS KIDS.

TIME (M-F)	SHOW	GRADE	LEARNING GOALS
6/5c am	The Cat in the Hat Knows a Lot About That!	PK-1	Science & Engineering
6:30/5:30c am	Ready Jet Go!	K-2	Science & Engineering
7/6c am	Peg + Cat	PK-K	Math
7:30/6:30c am	Super WHY!	PK-K	Literacy
8/7c am	Daniel Tiger's Neighborhood	PK-K	Social & Emotional Learning
8:30/7:30c am	Daniel Tiger's Neighborhood	PK-K	Social & Emotional Learning
9/8c am	Sesame Street	PK-K	Literacy, Math, Social & Emotional Learning
9:30/8:30c am	Elinor Wonders Why	PK-K	Science & Engineering
10/9c am	Clifford the Big Red Dog	PK-K	Social & Emotional Learning, Literacy
10:30/9:30c am	Dinosaur Train	PK-K	Science
11/10c am	Let's Go Luna!	K-2	Social Studies
11:30/10:30c am	Nature Cat	K-3	Science
12 pm/11c am	Nature Cat	K-3	Science
12:30 pm/11:30c am	Xavier Riddle and the Secret Museum	K-2	Social & Emotional Learning
1/12c pm	Molly of Denali	K-2	Literacy
1:30/12:30c pm	Hero Elementary	K-2	Science & Engineering
2/1c pm	Cyberchase	1-5	Math & Science
2:30/1:30c pm	Pinkalicious & Peterrific	PK-1	The Arts
3/2c pm	Pinkalicious & Peterrific	PK-1	The Arts
3:30/2:30c pm	Elinor Wonders Why	PK-K	Science & Engineering
4/3c pm	Donkey Hodie	PK-K	Social & Emotional Learning
4:30/3:30c pm	Curious George	PK-K	Math, Science & Engineering
5/4c pm	Curious George	PK-K	Math, Science & Engineering
5:30/4:30c pm	Xavier Riddle and the Secret Museum	K-2	Social & Emotional Learning
6/5c pm	Molly of Denali	K-2	Literacy
6:30/5:30c pm	Hero Elementary	K-2	Science & Engineering

Access FREE, at-home learning activities, tips, and more on [pbskidsforparents.org](https://pbskidsforparents.org)





# Learn at Home with PBS KIDS

Play and learn anytime and anywhere with free apps from PBS KIDS! Use the chart below to find the app that aligns to your child's grade, learning goal, and favorite PBS KIDS show - then download it on your on your mobile or tablet device to play online, offline, or anytime.

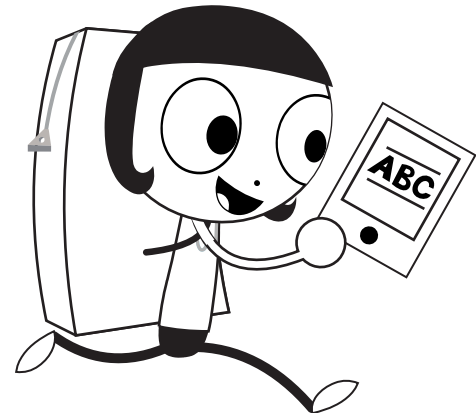
## Apps for Social & Emotional Learning

Daniel Tiger for Parents	PK-K	Social & Emotional Learning
PBS KIDS Games app	K-2	Multiple Learning Goals
PBS KIDS Video app	K-2	Multiple Learning Goals



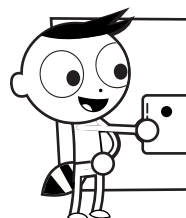
## Apps for Literacy Learning

Dinosaur Train A to Z	PK-K	Literacy, Science
Molly of Denali	K-2	Literacy
PBS KIDS Games app	K-2	Multiple Learning Goals
PBS KIDS Video app	K-2	Multiple Learning Goals



## Apps for STEM Learning (Science, Technology, Engineering & Math)

PBS Parents Play & Learn	PK-K	Literacy, Math	Ready Jet Go! Space Explorer	K-2	Science
Play & Learn Engineering	PK-K	Science and Engineering	Ready Jet Go! Space Scouts	K-2	Science and Engineering
Play & Learn Science	PK-K	Science	Nature Cat's Great Outdoors	K-3	Science
Splash and Bubbles for Parents	PK-K	Science	PBS KIDS ScratchJr	1-2	Coding
Splash and Bubbles Ocean Adventure	PK-K	Science	Outdoor Family Fun with Plum	1-3	Science and Engineering
The Cat in the Hat Builds That!	PK-K	Science and Engineering	Cyberchase Shape Quest	1-5	Math, Science
The Cat in the Hat Invents	PK-K	Science and Engineering	PBS KIDS Games app	K-2	Multiple Learning Goals
Jet's Bot Builder: Robot Games	K-2	Science and Engineering	PBS KIDS Video app	K-2	Multiple Learning Goals
Photo Stuff with Ruff	K-2	Science			



[pbskids.org/apps](https://pbskids.org/apps)

