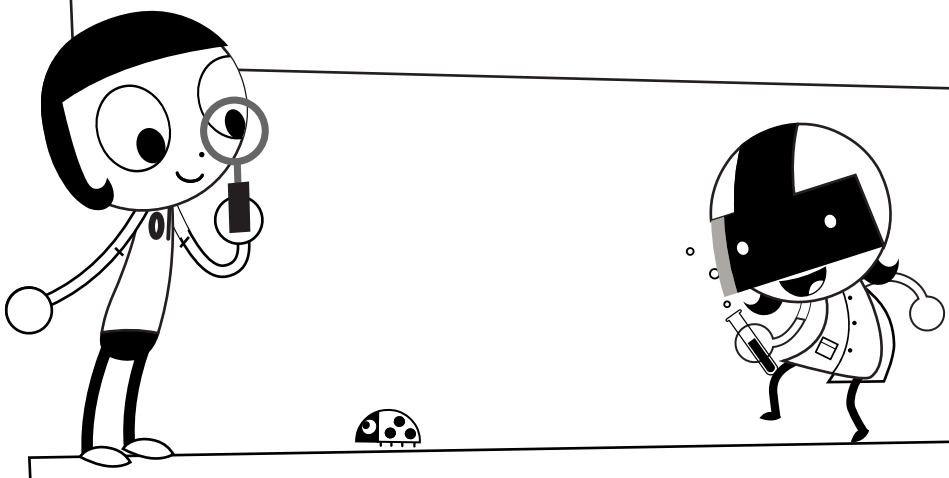
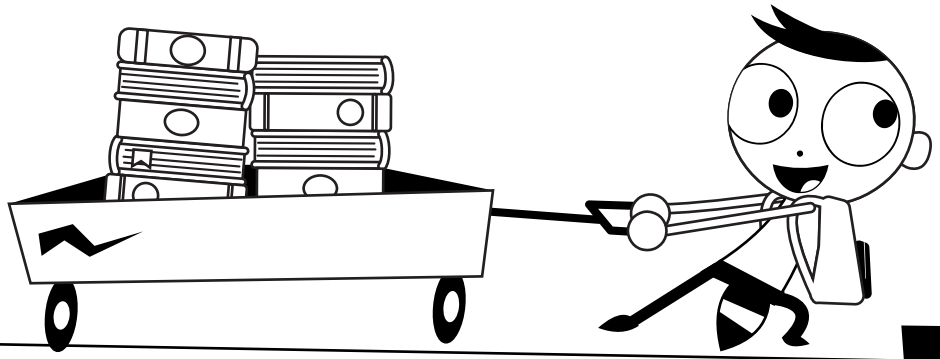
Learn at Home with PBS KIDS

Measuring

BINGO





Learn at Home with PBS KIDS

Week of May 17th

Hello, Families!

Welcome to **Learn Along Bingo**! We're happy to share PBS KIDS activities with you and to work with PBS member stations and community partners across the country to help support learning at home. With Learn Along Bingo, children can view, explore, and play as they learn alongside their PBS KIDS friends on the PBS KIDS 24/7 channel. We hope your family will use it to inspire learning each and every day.

It's All About Measuring Week!

In this packet, there are printable activities and everyday learning ideas for you and your child to choose from. As you complete each square, mark it off to celebrate the learning.

Learning Spotlight: Measuring

Children will learn that they can measure objects (with standard and nonstandard units of measurement).

Show What You Know: A Measuring Game

The last activity in this packet is a perfect way for children to learn about how to measure.

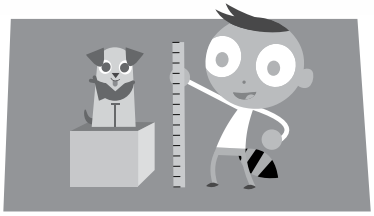
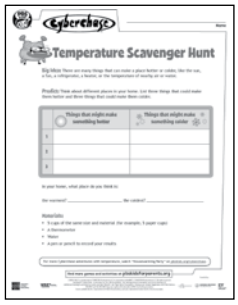
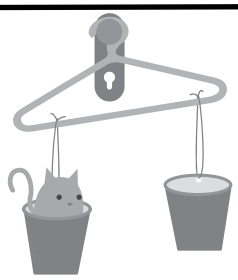
Tune in: Watch ODD SQUAD at 8pm ET on Tuesday, May 18th on the PBS KIDS 24/7 channel.

Ready for more? Watch your favorite PBS KIDS shows on the 24/7 channel and live stream at pbskids.org/video/livetv or on your local PBS station.

Happy learning!
PBS KIDS

Find free activities, articles and tips to support at-home learning on pbskidsforparents.org

Measuring BINGO

 Comparing Weights	 What tools in your home can you measure the length or weight of objects with in standard units?	 Tower Time
 Does it take you more time to hop or skip across the room?	 A Measuring Game	 How many inches tall is the door to your home? How many feet tall is it?
 Temperature Scavenger Hunt	 Create a pan balance using a hanger, string, and paper cups.	 Measuring Things Without a Ruler

Grades 1-2

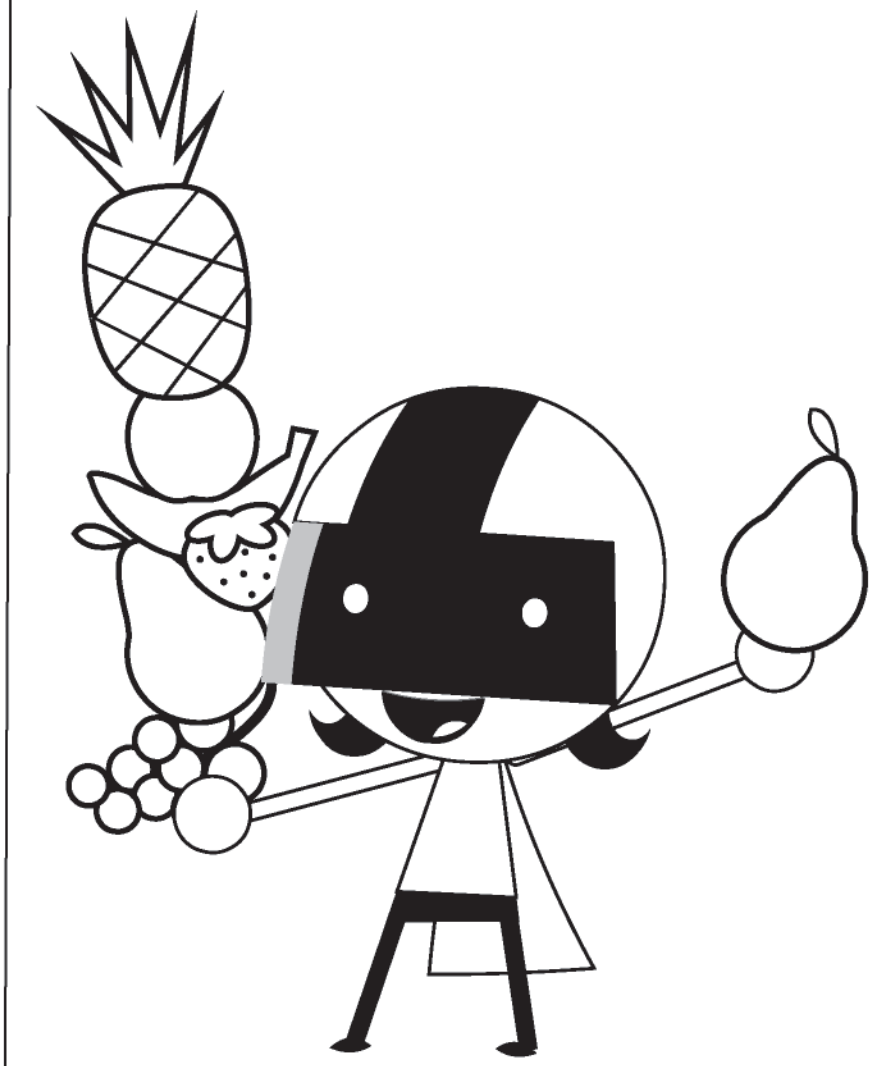
Find more games and activities at pbs.org/parents/learn-at-home

Draw here.

Fold here

Comparing Weights

(Name)



A tomato is lighter than...

but heavier than...

Find more games and activities at **pbskidsforparents.org**

Draw here.

Fold here

A pencil is lighter than a...

Find more games and activities at **pbskidsforparents.org**

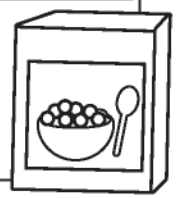
Draw here.

My pillow is heavier than...

Draw here.

Fold here

A cereal box weighs the same as...



Find more games and activities at **pbskidsforparents.org**

Draw here.

A car is is heavier than...

but lighter than...

Tower Time

Kid Description: Grab a grown-up and some friends for this building game. Can you stack a tall, stable tower?

This activity is best played on the floor with two to four players If you have more than four players, break up into teams. If you have kids with motor issues or who otherwise cannot participate, ask them to help take measurements or document.

Wonder

- ★ Sit in a circle and pass around the materials. Give everyone one material to explore.
- ★ Ask kids to use their senses to explore each material.
  - **Ask:** What are these materials?
  - **Ask:** Let's investigate how strong these materials are. Try tapping them on the floor. Do they feel strong?
  - **Ask:** Which pieces would make a good base? A base is something wide and strong that goes on the bottom to make the whole tower strong.
  - **Ask:** Based on your explorations, which materials do you predict will work best for a tower? Would you put them on the top or bottom of a tower? Why?
- ★ Put the materials back into a box/bag before explaining the rules.

Explore:

structural science (shape of structure affects stability), material properties, engineering **design process (define a** problem, create, test, and improve)

Materials:

- ☐ Gather up a bunch of household items with different structural elements: wide bases, thin bases, surfaces, heavy things, and light things. Here are some suggestions, but feel free to use your own!
- ☐ Building materials: cardboard tubes, cereal boxes, plastic bottles, paper plates, card stock, paper/ plastic cups, shoe boxes
- ☐ Measuring Tape/Ruler
- ☐ If you are playing this as a competition, you'll need a set of duplicate materials for each team.

Find more games and activities at pbskidsforparents.org

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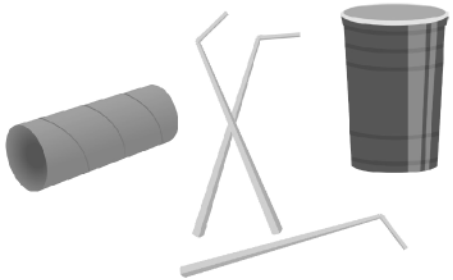
Tower Time



Define a Problem

★ Explain the rules of the game (Choose one version):

- **Competitive:** Each team is going to work together to make a tall, stable tower. You'll have the same sets of materials, and will take turns putting down your pieces. After everyone has placed three pieces, we'll measure and see which team has the tallest tower!
- **Non-Competitive:** You are going to work together to make the tallest, stable tower you can! Everyone is going to take three turns putting one piece of the tower down at a time. We will take turns adding pieces until we have made a tall tower, and then we'll measure!

Create and Test

★ Organize the materials in piles for each team.

★ Time to start building!

- If you have more than 4 kids, split them into teams. You could make it a competition.

★ Encourage the kids to take turns and to place just one piece at a time.

★ If the tower falls down, and it's just a **small fix, ask the kid to reassemble the** fallen piece.

★ If the tower falls down completely, jump to **Reflect** and then ask the kids to redesign and rebuild their tower.

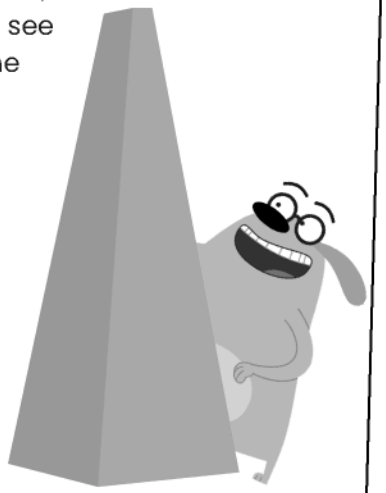
★ If kids need more support:

- **Hint:** Wider objects make a good base for other materials to go on top.
- **Hint:** Medium-sized objects can make good supports for the middle of a tower.
- **Hint:** Smaller, narrow objects are usually better for the top of a tower.
- **Hint:** Try folding paper to make it sturdier.

★ After three turns each, the game is done!

★ Use your measuring stick or ruler to measure the towers.

★ If you played in teams, compare towers to see which team built the tallest tower.



Reflect

★ Have everyone sit or stand together again.

★ Ask kids to document the tower that they made by drawing it on the printout. Encourage them to draw what they used for the top, middle, and base of their tower.

- **Ask:** On the printout, document what your tower looked like. Draw what you used for its top, middle, and base.
- **Ask:** Did your tower fall down? Why do you think that happened?
- **Ask:** How would you improve your tower if you built it again? Are there other materials you'd like to try?

★ If you play the game again, use your drawings to help you redesign the towers.

Find more games and activities at pbskidsforparents.org

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Tower Time

Name _____

Measure the height of your tower. Then draw your finished tower in the space provided.

How tall is your tower? _____ inches

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Name

Temperature Scavenger Hunt

Big Idea: There are many things that can make a place hotter or colder, like the sun, a fan, a refrigerator, a heater, or the temperature of nearby air or water.

Predict: Think about different places in your home. List three things that could make them hotter and three things that could make them colder.

	Things that might make something hotter	Things that might make something colder
1		
2		
3		

In your home, what place do you think is:

the warmest? _____ the coldest? _____

Materials:

- 5 cups of the same size and material (for example, 5 paper cups)
- A thermometer
- Water
- A pen or pencil to record your results

For more *Cyberchase* adventures with temperature, watch "Housewarming Party" on pbskids.org/cyberchase.

Find more games and activities at **pbskidsforparents.org**

Name

Temperature Scavenger Hunt

Investigate:

1. Label each cup with a letter from A-E, giving each cup a different letter.
2. Pour water in each cup so that they are about half full.
3. Use your thermometer to measure the starting temperature of the water in each cup. Record the temperature on the "Results" page.
4. Place each cup of water in a different location around your home.
5. Leave your cups in their locations for about 3 hours.

TIPS:

- Look for very warm and very cool places around your home.
- Don't put the cup anywhere where it will melt and don't touch anything too hot or too cold with your hands!
- Try to find places that will stay the same temperature for a few hours.

Record:

1. After about 3 hours, go back to your cups.
2. Use a thermometer to measure the temperature of the water in each cup.
3. Record your results on the "Results" page.

Reflect:

1. In what location did the water become the hottest? In what location did the water become the coolest? What things about the location of each cup made it warm or cold?
2. How much hotter was your highest temperature from the starting temperature of the water in that cup? How do you know? _____ degrees
3. How much cooler was your coldest temperature from the starting temperature in that cup? How do you know? _____ degrees
4. How do you keep yourself cool in the summer? How do you stay warm in the winter?

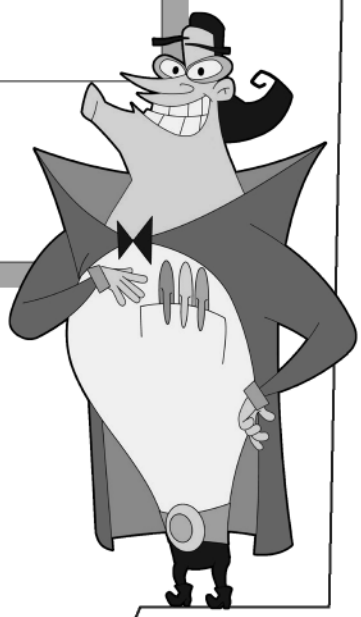
Find more games and activities at **pbskidsforparents.org**

Name

Temperature Scavenger Hunt
RESULTS

1. Record your results in the chart below.

Cup #	Location	Starting Temperature	Ending Temperature	Difference Between Starting and Ending Temperatures
A				
B				
C				
D				
E				



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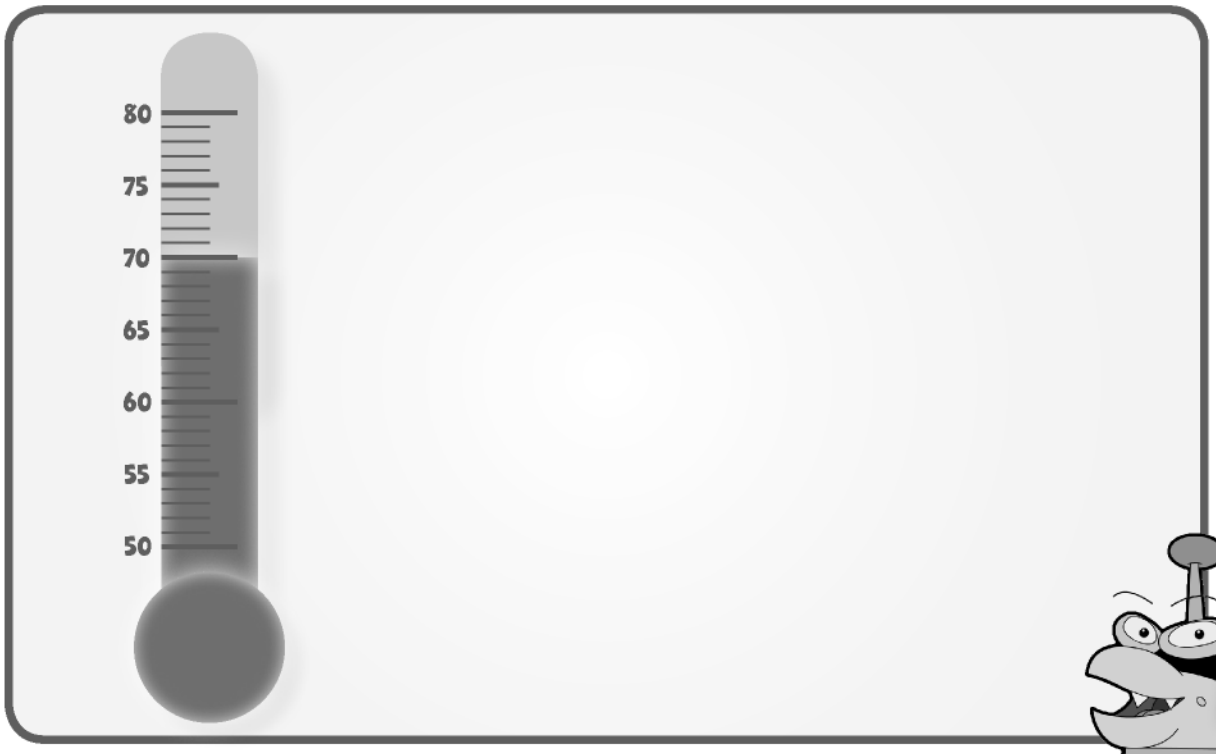
Name

Temperature Scavenger Hunt
RESULTS

2. Put each of your cups on the thermometer below by writing the cup letter near the ending temperature for each cup. (For example, if your ending temperature for cup A was 80 degrees, write "A" close to the 80 degree mark. If the ending temperature for cup B was 70 degrees, write "B" by the 70 degree mark.)

Observations: Describe with words or draw anything that you think heated or cooled the water in each location.



3. Look at your findings above. Subtract your coldest temperature from your warmest temperature. What is the difference between the two?

- Warmest Ending Temperature: _____ degrees
- Coldest Ending Temperature: – _____ degrees
- Difference: _____ degrees

Find more games and activities at pbskidsforparents.org

Measure Things Without a Ruler

Name _____

Practice measuring items around your house without using a ruler. Choose one object and three unique tools to measure it with. Complete the chart with the objects you measured, the tool you measured with, and how many of each tool it took you to measure the object. What surprised you? When you measured objects, what was challenging about the activity?

OBJECT	MEASURING TOOL	HOW MANY?
 book	book	2
	my shoe	18
	empty box	6 1/2

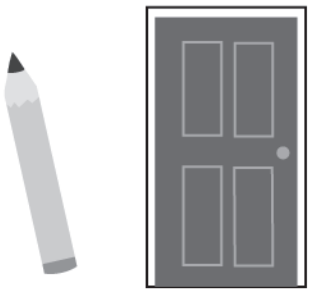
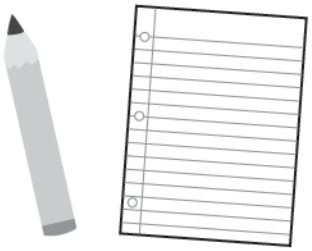
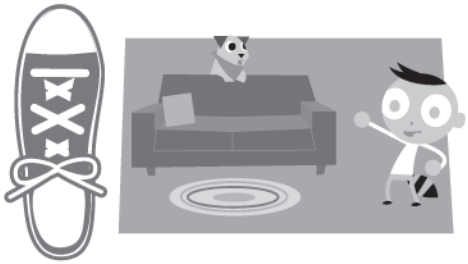
Find more games and activities at pbskidsforparents.org

A Measuring Game

Name _____

People use rulers and measuring tapes to measure things in inches and feet when we measure in **standard units of measurement**. For this activity, you will practice measuring objects using a **non-standard unit of measurement** (something unique). You will measure objects to identify how tall, long, or wide they are.

Important Tip: Do not leave space between your measuring tool as you measure the object.

 **Use a pencil to measure the height of a door:** _____	 **Use your hand to measure the height of a chair:** _____	 **Use a shoe to measure the height of a cup:** _____
 **Use a pencil to measure the length of a table:** _____	 **Use your hand to measure the length of your shoe:** _____	 **Use a shoe to measure the length of a stick:** _____
 **Use a pencil to measure the width of a piece of paper:** _____	 **Use your hand to measure the width of a plate:** _____	 **Use a shoe to measure the width of the room:** _____

Find more games and activities at pbskidsforparents.org

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

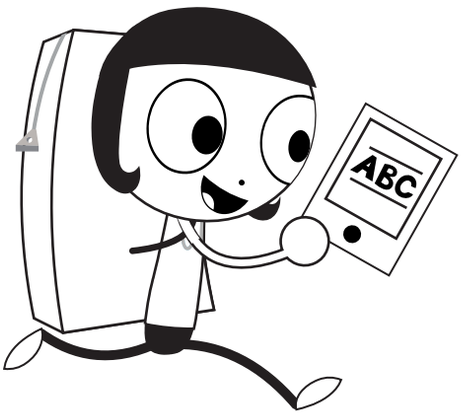
Access FREE, at-home learning activities, tips, and more on pbskidsforparents.org

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



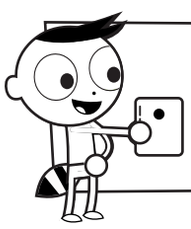
Apps for Literacy Learning

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
Play & Learn Engineering	PK-K	Science and Engineering
Play & Learn Science	PK-K	Science
Splash and Bubbles for Parents	PK-K	Science
Splash and Bubbles Ocean Adventure	PK-K	Science
The Cat in the Hat Builds That!	PK-K	Science and Engineering
The Cat in the Hat Invents	PK-K	Science and Engineering
Jet's Bot Builder: Robot Games	K-2	Science and Engineering
Photo Stuff with Ruff	K-2	Science

Ready Jet Go! Space Explorer	K-2	Science
Ready Jet Go! Space Scouts	K-2	Science and Engineering
Nature Cat's Great Outdoors	K-3	Science
PBS KIDS ScratchJr	1-2	Coding
Outdoor Family Fun with Plum	1-3	Science and Engineering
Cyberchase Shape Quest	1-5	Math, Science
PBS KIDS Games app	K-2	Multiple Learning Goals
PBS KIDS Video app	K-2	Multiple Learning Goals



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