A Day at the Museum A Picture DOTS Storybook

Fun activities for kids and their grown-ups!
Try This:
Take a picture of the image on the page.

Place a red dot on the red shadow.
Place a green dot on the green shadow.
Place a blue dot on the blue shadow.
Place a yellow dot on the yellow shadow.

On each page of the book, the adult and child will:

Step 1:
Read through the story.

Step 2:
Take a picture of the image on the page in the storybook.

Step 3:
Follow the instructions in the book for ideas of ways to use the app.

Stars indicate early learning skills. Find out more at the end of the book.

Next, Tala notices an exhibit that lets you make shadows of all different colors. “How many colors do you see, Tala?” asks her grandma. “A lot! It’s like I’m inside of a rainbow. All the different colored shadows are mixing together,” Tala says happily.

What color shadows do you see?

Picture Dots is an iPhone/iPad app that invites kids and their grown-ups to take pictures and label them with interactive dots that layer on color, text, music and sound. This storybook is designed to be interactive.
Read the story all the way through or try one page at a time. Remember that these are just some of the ways to use Picture Dots. There is no right or wrong way to use it.

Have fun finding your own ways to explore the world with Picture Dots!

If you get stuck, you can find more information on how to use Picture Dots in the App Guide section.

App Guide

Start
Tap “Notice and Play!” to make Picture Dots.
Tap “My Picture Dots” to visit your saved picture gallery.
Swipe on “Settings” to change language between English and Spanish.
Fridays are free at the museum near Tala’s house, so Tala’s grandma suggests they visit. “That sounds like fun!” says Tala. “Let’s go!” When they walk into the entrance, Tala’s grandma finds a map of the exhibits, which she hands to Tala and asks, “What should we do first?”

What would you do first at the museum?

Try This:
Take a picture of the image on the page.

- Put a red dot on the first place you would visit.
- Put a green dot on the second place you would visit.
- Put a blue dot on the third place you would visit.
- Put a yellow dot on the fourth place you would visit.
Once they get inside, Tala says, “I know what I want to do first! I want to play with the bubbles.” When she gets to the exhibit, Tala says, “Wow! So many bubbles!” Tala’s grandma laughs and says, “Some of the bubbles are even bigger than your head!”

**Have you blown bubbles before? How big were they?**
Tala loves making the bubbles and watching them pop. Tala copies the sound of the bubbles: “Pop! Pop! Pop!” “You sound just like the bubbles,” says her grandma. Tala giggles and continues to make popping noises every time she sees another bubble pop.

What sound do you think bubbles make when they pop?

Try This:

Record your own popping noises to go with the blue and yellow dots!

1. Select the bird from the menu at the top.

2. Press the pencil to edit the sound effect for the blue dot.

3. Record a noise.
   Press the microphone to start the timer.
   You have six seconds to record a sound.

4. Press 🔄 when you are done.

5. Press 🎧 to hear your creation.

To explore more sounds, try recording your own noises for the other color dots to play.
Next, Tala notices an exhibit that lets you make shadows of all different colors. “How many colors do you see, Tala?” asks her grandma. “A lot! It’s like I’m inside of a rainbow. All the different colored shadows are mixing together,” Tala says happily.

What color shadows do you see?

Try This:

Take a picture of the image on the page.

Match the dots to the colors in the image.

- Place a red dot on the red shadow.
- Place a green dot on the green shadow.
- Place a blue dot on the blue shadow.
- Place a yellow dot on the yellow shadow.
Tala and her grandma notice there are some things at the museum they can’t touch because they’re really delicate, like skeletons. “Wow! The bones of the dinosaur and the early bird look so alike,” Tala’s grandma points out. “Except for their teeth!” says Tala. “Rawr!” says her grandma as she growls and shows her teeth.

What body parts do you notice the skeletons have?

Try This:

Take a picture of the image on the page.

- Put a red dot on the head of each skeleton.
- Put a green dot on the tail of each skeleton.
- Put a blue dot on the neck of each skeleton.
- Put a yellow dot on the legs of each skeleton.

Press 📸 to name the parts of the skeleton.

Press ▶️ to hear your creation.
“We can visit one more exhibit. Where do you want to go?” asks Tala’s grandma. “The mirrors!” Tala yells. Tala and her grandma laugh as they look at themselves in all the different mirrors. “This one makes me look really tall,” says Tala. “Look at this one,” her grandma says. “There are so many copies of you I can hardly count them!”

**How many copies of Tala do you see in the mirror?**

Try This:

Take a picture of the image on the page.

How many times do you see Tala in the mirror?

- Place a dot on Tala’s face each time you see it in the mirror.

**How many copies of Tala did you find?**
Tala sees her grandma looking at her watch. “Oh no, I guess it’s time to go,” Tala says with a frown. Before heading home, Tala and her grandma take a photo outside the museum to remember their visit. “I can’t wait to come back!” says Tala. “Me too!” her grandma agrees.

What do you like the most about going to a museum?
Yellow stars throughout the book show when an activity connects to early literacy, mathematics and science skills.

The next three pages share some of the ways this story connects to early learning skills. You’ll also find ideas for using Picture Dots with kids to continue developing early literacy, early mathematics and early science skills.

Keep the fun going by using Picture Dots with your own photos.

You can take photos of people, places or anything you see!
**Categorizing:**

In this story, kids categorized bubbles as either big or small.

Photograph objects kids have collected (such as toys, buttons or shells). Then ask them to put them into categories using the dots.

**Observing Nature:**

In this story, kids observed colored shadows.

Have kids place dots on what they see, such as different colors of paint, textures of fabrics, or objects that can change shape like clay and dough.

**Making Comparisons:**

In this story, kids compared two skeletons.

Have kids notice similarities and differences in objects they see such as the sizes of two flowers, the colors of two birds, or the heights of two people.
**EARLY LITERACY**

**Storytelling:**

In this story, kids used the dots to tell a story about what Tala and her grandma did at the museum.

Have kids create a story or remember an event by typing different parts of the story for each dot and then arranging the dots in the order of events.

**Identifying:**

In this story, kids found different colors in shadows.

Ask kids to find and place a dot on other things in the picture.

**Naming:**

In this story, kids named the parts of the skeletons.

Have kids practice typing the names of objects and listening to Picture Dots read the names back.

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**Try This:**

Take a picture of the image on the page.

Use the dots to tell your story about what Tala and her grandma did.

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**Try This:**

Take a picture of the image on the page.

Ask kids to find and place a dot on other things in the picture.

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**Try This:**

Take a picture of the image on the page.

Tala and her grandma notice there are seven things at the museum they want to touch. Imagine they are thirsty and need to drink some water.

Put a red dot on the neck of each skeleton.

Put a red dot on the neck of each skeleton.

Press Q to name the parts of the skeleton.
More Than and Less/Fewer Than:
In this story, kids compared which color of dot they used more or less of when categorizing the size of bubbles.

Have kids categorize items by color, shape or size and then use the dots to decide which category has more or fewer items.

Counting:
In this story, kids counted the number of times Tala appeared in the mirror.

Have kids take photos of things they can count (such as people, toys, fruits, etc.). Then use the dots to practice counting.

Putting Things in Order:
In this story, kids decided what order to visit the exhibits they most wanted to see.

Have kids rank things by different criteria such as the order of events, the importance of items, or the size of items.
Don’t stop here. Be creative!

What else can you and your child create with Picture Dots?
The New York Hall of Science (NYSCI) has collaborated with a number of partners during the research and development of the Picture Dots Guides.

Workshop Participants

Many thanks to the children and parents who provided valuable feedback during the design and testing process.

New York Hall of Science

Harouna Ba
Principal Investigator/Director, the Sara Lee Schupf Family Center for Play, Science, and Technology Learning (SciPlay)

Cornelia Brunner
Senior Advisor, SciPlay

Amanda Jaksha
Program Designer and Manager, SciPlay

Janella Watson
Director of Early Childhood Education

Caroline Young
Portfolio Manager, Institutional Advancement

Delia Meza
Early Childhood Science Instructor

Rose Pozos
Research Assistant, SciPlay

Laycca Umer
Explainer Resident, SciPlay

Masha Westerlund
Research Fellow, SciPlay

Jyotsna Gupta
UX Design Intern, SciPlay

Children’s Discovery Museum of San Jose

Jenni Martin
Director of Education & Programs

Laura Santos
Program Development Supervisor

Bianca Zardetto
Researcher

Picture Dots Advisory Board

Dr. Suzanne Bouffard
Research Consultant

Dr. Chip Donohue
Director, Technology in Early Childhood Center, Erikson Institute, and Senior Fellow, Fred Rogers Center

Dr. Herb Ginsburg
Jacob H. Schiff Foundation Professor of Psychology and Education, Columbia University

Dr. Margaret Honey
President and CEO, New York Hall of Science

Dr. Okhee Lee
Professor of Childhood Education
Steinhardt School of Culture, Education and Human Development, New York University

Design and Development Partner

Marino Software

Stephen Lewis
Creative Design Consultant
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