NYPL After School

Activity Guide



Kindergarten-3rd Grade

INVESTIGATE

In this packet you'll find tips, books we love, and activities all about investigating. Investigating means looking closely at something in order to learn something new, solve a problem, or answer a question. If you create something you love, submit a picture of your work to our virtual gallery at nypl.org/afterschool.

BOOKS WE LOVE

These books are some of our favorites about investigations and investigating. To check them out, place a hold online at **nypl.org** or call Ask NYPL (917-275-6975). If you are at a branch, ask a librarian how to place a hold. Books marked with a \square are available as e-books.



The Boy Who Harnessed the Wind William Kamkwamba & Bryan Mealer



King & Kayla and the Case of the Missing Dog Treats Dori Hillestad Butler



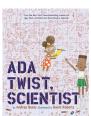
Hey, Water!Antoinette Portis



Alma and How She Got Her Name Juana Martinez-Neal



7 Ate 9: The Untold StoryTara Lazar



Ada Twist, Scientist
Andrea Beaty



Islandborn Junot Díaz



Over and Under the Pond Kate Messner



InvestiGATORS
John Patrick Green

QUICK TIPS

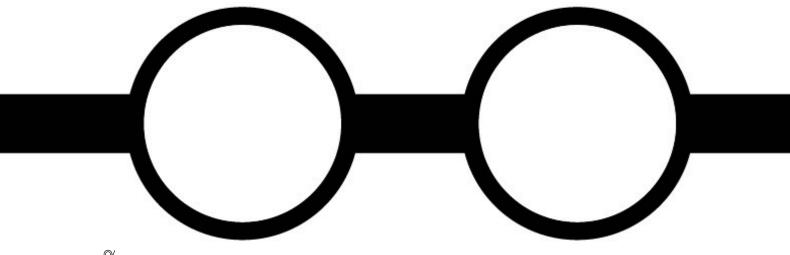
- Caregivers: Help your child investigate by prompting them to observe the world around them. Ask questions such as "What do you notice?" and "What are you wondering?"
- Use materials around you to conduct simple experiments. Here are two ideas: 1) How long does it take a banana to ripen? What if it's in the refrigerator? 2) Test out different household objects in your sink to see if they sink or float.



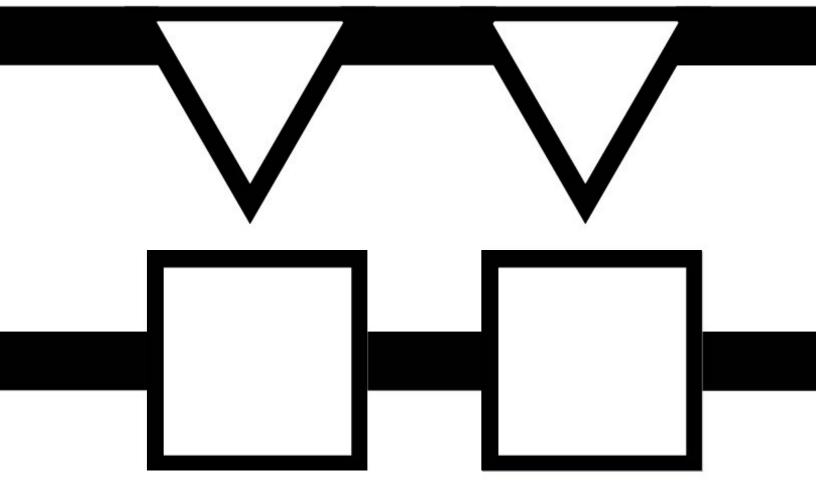
INVESTIGATE SHAPES AS A SHAPE DETECTIVE

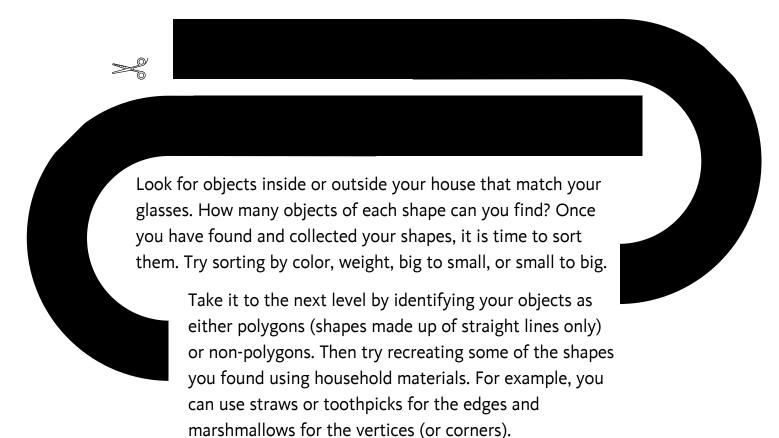
Everything around us is made of shapes! Sometimes shapes are easy to see and sometimes they aren't—good thing NYPL has provided you with your very own investigator glasses!

Cut out the investigator glasses and the arms on the next page. Glue the arms to the frames and then fold the glasses' arms so that they sit on your ears. (Note: glue or tape popsicle sticks or unsharpened pencils to the arms for a sturdier frame.)



Cut out each of the frames following the black lines. Remember to cut the inside of the frames out. You may need an adult to help you!





INVESTIGATE AND SOLVE A SECRET CODE

Use the code key below to help you solve the mystery question. Then answer the question!







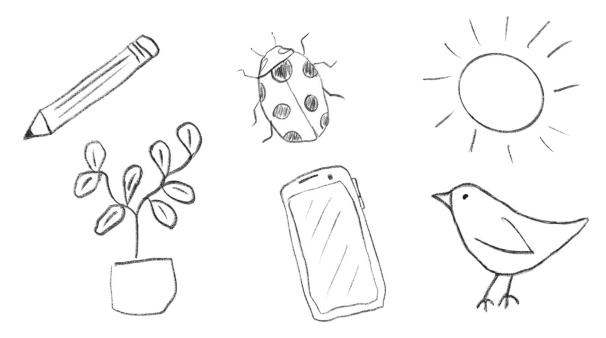
Your answer:

Bonus Activity! Get another sheet of paper and come up with your own secret code. Then write messages to your friends and family!

INVESTIGATE LIVING AND NONLIVING THINGS

Look all around you. What is living or nonliving in your world? You can tell if something is alive by asking yourself a few questions: Does it need food or water? Does it breathe? Can it move by itself? Does it grow or change? Does it reproduce? If yes, it's alive!

Color in the examples of living things in green. Color the nonliving examples in red.



Now it's your turn. Find your own examples and put them in this chart.

ITEM	LIVING OR NONLIVING?	HOW DO YOU KNOW?

Bonus Activity! Tell or write a story where something that's nonliving comes to life.