

# Insect Trading Cards

A Next Generation Science Aligned Activity for

# 100 BUGS!

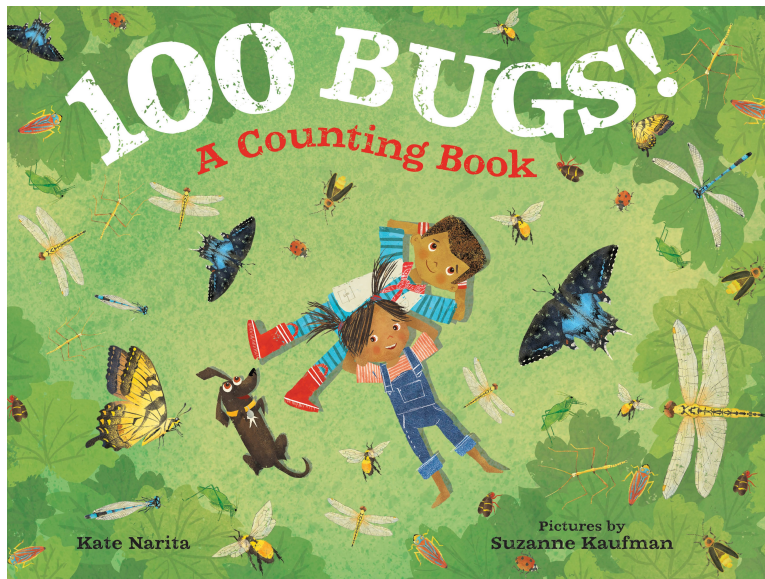
## A Counting Book

FARRAR STRAUS GIROUX  
New York

Written by Kate Narita

Illustrated by Suzanne Kaufman

ISBN: 978-0374306311



“Packed with great extension possibilities, visually engaging illustrations, and quick rhymes, this read-aloud would be a great addition to any

STEM shelf.” —Kirkus Review 

# Meet the Team

**Kate Palaces Narita** is the author of *100 Bugs! A Counting Book*. When she's not out and about driving, teaching fourth grade or cheering on her two teenage sons, Kate lives, writes, and hikes on a small mountain in central Massachusetts. There's a magical part of Mt. Wachusett in every one of her stories. Be it small wonders like darting dragonflies and gorgeous garden phlox, or large wonders like munching moose and beautiful balsam firs, she celebrates nature's bounty each and every day. Visit her at [www.katenarita.com](http://www.katenarita.com).



**Suzanne Kaufman** is an author, illustrator, animator and lover of school potlucks. She is the author-illustrator of *Confiscated* and *I Love Monkey*. Her previously illustrated work includes books: *All Are Welcome*, *100 Bugs*, *Naughty Claudine Christmas*, and *Samanthasaurus Rex*. Over the years, she's done everything from animating special effects for Universal Television and Discovery Channel, to animating award-winning video games for children. When not tramping through the wilds of the Pacific Northwest, you will find her teaching animation or working in her studio. She lives in Seattle with her husband and two creative daughters of her own. Visit her at [www.suzannekaufman.com](http://www.suzannekaufman.com).





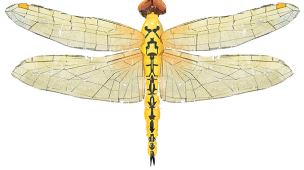


**Lisandra Flynn** is an editor turned elementary school teacher who works with Kate. She has a flair for design and enjoys creating learning resources for her students and fellow teachers. When she's not teaching or tediously reorganizing her classroom, Lisandra enjoys hiking, crafting, and decorating her home in central Massachusetts, which she shares with her husband, baby boy, and two feisty cats.



# Insect Trading Cards

**Directions:** Using the *100 Bugs!* back matter and the internet ([www.bugguide.net](http://www.bugguide.net) or [www.biokids.umich.edu](http://www.biokids.umich.edu)), complete the insect trading cards. Then, make two of your own cards. Trade them. Sort them. Have fun!




		
<b>Tricolored Bumblebee</b>	<b>Eastern Tiger Swallowtail</b>	<b>Eastern Forktail</b>
Latin Name:	Latin Name:	Latin Name:
Insect Order:	Insect Order:	Insect Order:
Size:	Size:	Size:
Habitat:	Habitat:	Habitat:
Super Power:	Super Power:	Super Power:


		
<b>Wandering Glider</b>	<b>Pennsylvania Firefly</b>	<b>Rattler Round-Winged Katydid</b>
Latin Name:	Latin Name:	Latin Name:
Insect Order:	Insect Order:	Insect Order:
Size:	Size:	Size:
Habitat:	Habitat:	Habitat:
Super Power:	Super Power:	Super Power:



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<b>Convergent Lady Beetle</b>	<b>Candy-striped Leafhopper</b>	<b>Two-lined Spittlebug</b>
Latin Name:	Latin Name:	Latin Name:
Insect Order:	Insect Order:	Insect Order:
Size:	Size:	Size:
Habitat:	Habitat:	Habitat:
Super Power:	Super Power:	Super Power:

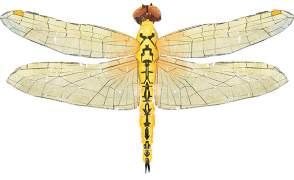

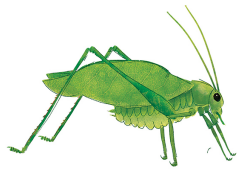
		
<b>Giant Walkingstick</b>		
Latin Name:	Latin Name:	Latin Name:
Insect Order:	Insect Order:	Insect Order:
Size:	Size:	Size:
Habitat:	Habitat:	Habitat:
Super Power:	Super Power:	Super Power:



# Insect Trading Cards Answer Key

Directions: Using the *100 Bugs!* back matter and the internet, complete the insect trading cards. Then, make two of your own cards. Trade them. Sort them. Have fun!




		
<p><b>Tricolored Bumblebee</b></p> <p>Latin Name: <i>Bombus ternarius</i></p> <p>Insect Order: <i>Hymenoptera</i></p> <p>Size: Queens are <math>\frac{3}{4}</math> in./17-19 mm., male and worker bees are <math>\frac{1}{2}</math> in./13 mm.</p> <p>Habitat: Woodlands, meadows</p> <p>Super Power: <i>Varies</i></p>	<p><b>Eastern Tiger Swallowtail</b></p> <p>Latin Name: <i>Papilio glaucus</i></p> <p>Insect Order: <i>Lepidoptera</i></p> <p>Size: 4.5 in./120 mm.</p> <p>Habitat: Woodland edges, swamps</p> <p>Super Power: <i>Varies</i></p>	<p><b>Eastern Forktail</b></p> <p>Latin Name: <i>Ischnura verticalis</i></p> <p>Insect Order: <i>Odonata</i></p> <p>Size: 1 in./30 mm.</p> <p>Habitat: Wetlands, well-vegetated ponds</p> <p>Super Power: <i>Varies</i></p>

		
<p><b>Wandering Glider</b></p> <p>Latin Name: <i>Pantala flavescens</i></p> <p>Insect Order: <i>Odonata</i></p> <p>Size: 2 in./48 mm.</p> <p>Habitat: Ponds, pools, brackish water</p> <p>Super Power: <i>Varies</i></p>	<p><b>Pennsylvania Firefly</b></p> <p>Latin Name: <i>Photuris pennsylvanica</i></p> <p>Insect Order: <i>Coleoptera</i></p> <p>Size: <math>\frac{1}{2}</math> in./9mm.</p> <p>Habitat: Meadows, open forests</p> <p>Super Power: <i>Varies</i></p>	<p><b>Rattler Round-Winged Katydid</b></p> <p>Latin Name: <i>Amblycorypha rotundifolia</i></p> <p>Insect Order: <i>Orthoptera</i></p> <p>Size: 1.5 in./37 mm.</p> <p>Habitat: Woodland edges</p> <p>Super Power: <i>Varies</i></p>



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<p><b>Convergent Lady Beetle</b></p> <p>Latin Name: <i>Hippodamia convergens</i></p> <p>Insect Order: <i>Coleoptera</i></p> <p>Size: 1/4 in./5.5 mm.</p> <p>Habitat: Grasslands, forests, farms, gardens, parks</p> <p>Super Power: <i>Varies</i></p>	<p><b>Candy-striped Leafhopper</b></p> <p>Latin Name: <i>Graphocephala coccinea</i></p> <p>Insect Order: <i>Hemiptera</i></p> <p>Size: 1/4 in./8 mm.</p> <p>Habitat: <i>Anywhere with vegetation</i></p> <p>Super Power: <i>Varies</i></p>	<p><b>Two-lined Spittlebug</b></p> <p>Latin Name: <i>Prosapia bicincta</i></p> <p>Insect Order: <i>Hemiptera</i></p> <p>Size: 1/4 in./8 mm.</p> <p>Habitat: <i>Anywhere with vegetation</i></p> <p>Super Power: <i>Varies</i></p>

		
<p><b>Giant Walkingstick</b></p> <p>Latin Name: <i>Megaphasma denticus</i></p> <p>Insect Order: <i>Phasmida</i></p> <p>Size: 7 in./177 mm.</p> <p>Habitat: Grapevines, oaks, grasses</p> <p>Super Power: <i>Varies</i></p>	<p>Latin Name:</p> <p>Insect Order:</p> <p>Size:</p> <p>Habitat:</p> <p>Super Power:</p>	<p>Latin Name:</p> <p>Insect Order:</p> <p>Size:</p> <p>Habitat:</p> <p>Super Power:</p>



# Insect Trading Cards Next Generation

## Science Standard Alignment

### From Molecules to Organisms: Structures and Processes

1-LS1-1: Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs. (Grades K-2)

1-LS1-2: Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. (Grades K-2)

4-LS1-1: Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction. (Grades 3-5)

4-LS1-2: Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways. (Grades 3-5)

### Heredity: Inheritance and Variation of Traits

1-LS3-1: Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.