

Next Time You See a BEE

BY EMILY MORGAN


NSTA Kids
National Science Teachers Association

Copyright © 2019 NSTA. All rights reserved. For more information, go to www.nsta.org/permissions.
TO PURCHASE THIS BOOK, please visit https://www.nsta.org/store/product_detail.aspx?id=10.2505/9781681406510

Next Time You See a BEE

BY EMILY MORGAN


NSTA Kids
National Science Teachers Association
Arlington, Virginia

Copyright © 2019 NSTA. All rights reserved. For more information, go to www.nsta.org/permissions.
TO PURCHASE THIS BOOK, please visit https://www.nsta.org/store/product_detail.aspx?id=10.2505/9781681406510



Claire Reinburg, Director
Rachel Ledbetter, Managing Editor
Andrea Silen, Associate Editor
Jennifer Thompson, Associate Editor
Donna Yudkin, Book Acquisitions Manager

ART AND DESIGN
Will Thomas Jr., Director

PRINTING AND PRODUCTION
Catherine Lorrain, Director

NATIONAL SCIENCE TEACHERS ASSOCIATION
David L. Evans, Executive Director

1840 Wilson Blvd., Arlington, VA 22201
www.nsta.org/store
For customer service inquiries, please call 800-277-5300.



Lexile® measure: 940L

Copyright © 2019 by the National Science Teachers Association.
All rights reserved. Printed in Canada.
22 21 20 19 4 3 2 1

NSTA is committed to publishing material that promotes the best in inquiry-based science education. However, conditions of actual use may vary, and the safety procedures and practices described in this book are intended to serve only as a guide. Additional precautionary measures may be required. NSTA and the authors do not warrant or represent that the procedures and practices in this book meet any safety code or standard of federal, state, or local regulations. NSTA and the authors disclaim any liability for personal injury or damage to property arising out of or relating to the use of this book, including any of the recommendations, instructions, or materials contained therein.


PERMISSIONS

Book purchasers may photocopy, print, or e-mail up to five copies of an NSTA book chapter for personal use only; this does not include display or promotional use. Elementary, middle, and high school teachers may reproduce forms, sample documents, and single NSTA book chapters needed for classroom or noncommercial, professional-development use only. E-book buyers may download files to multiple personal devices but are prohibited from posting the files to third-party servers or websites, or from passing files to non-buyers. For additional permission to photocopy or use material electronically from this NSTA Press book, please contact the Copyright Clearance Center (CCC) (www.copyright.com; 978-750-8400). Please access www.nsta.org/permissions for further information about NSTA's rights and permissions policies.

Library of Congress Cataloging-in-Publication Data

Names: Morgan, Emily R. (Emily Rachel), 1973- author.
Title: Next time you see a bee / by Emily Morgan.
Description: Arlington, VA : National Science Teachers Association, [2019] |
Series: Next time you see | Audience: K to grade 3.
Identifiers: LCCN 2018048636 (print) | LCCN 2018051531 (ebook) | ISBN 9781681406534 (e-book) | ISBN 9781681406510 (print) | ISBN 9781681406527 (library binding)
Subjects: LCSH: Bees--Juvenile literature. | Pollination by bees--Juvenile literature.
Classification: LCC QL565.2 (ebook) | LCC QL565.2 .M6684 2019 (print) | DDC 595.79/9--dc23
LC record available at <https://lcn.loc.gov/2018048636>

To Clay Bolt for introducing me and countless others to the beauty and importance of our native bees.



*“When we try to pick out anything by itself, we
find it hitched to everything else in the Universe.”*

—John Muir

A NOTE TO PARENTS AND TEACHERS

The books in this series are intended to be read with children *after* they have had some experience with the featured objects or phenomena. For example, go outside on a warm, sunny day with your child or students and find a patch of flowers. Watch the bees as they fly from flower to flower. Choose one bee to follow with your eyes, and watch it carefully. Take photos or slow-motion videos of it. Talk with your child or students about what you observe, and share what you wonder. *Why is the bee visiting these flowers? Is there any kind of pattern to the way it moves? What is that yellow stuff sticking to its body?*

After you have had some experiences observing these fascinating insects, read this book together. Take time to pause and share your learnings and wonderings with each other. You will find that new learnings often lead to more questions.

The *Next Time You See* books are not meant to present facts to be memorized. They are written to inspire a sense of wonder about ordinary objects or phenomena and foster a desire to learn more about the natural world. Children might initially be afraid of bees. However, when they learn how important bees are to humans and the planet, their fear will hopefully develop into appreciation. My wish is that after reading this book, you and your child or students feel a sense of wonder the next time you see a bee.

—Emily Morgan

Safety Note: Teachers, be sure to check with your school nurse about bee-sting allergies and how to deal with them before observing bees. Bee allergies are uncommon and usually associated with honeybees. Bees are unlikely to sting while foraging unless you grab them. However, bee allergies can be life-threatening, so it is important to know if any of your students are allergic and take precautions.



Bees are some of the most important and fascinating insects on Earth. They can be found almost anywhere—from farms to deserts to cities to your own backyard.

The daily activities of these tiny animals affect our lives in a BIG way. Have you ever wondered how such small, common insects can be so important?



When most people think of bees, they think of insects with black and yellow stripes that produce honey and live in hives. While honeybees fit this description, many other types of bees do not. Most bees do not make honey or live in hives. And bees come in a variety of colors—from red to blue to metallic green! There are more than 20,000 species of bees in the world. Some are as large as a quarter and many are smaller than a grain of rice. Here is just a small sampling of the world's wide variety of bee species. What similarities and differences do you notice?

Next Time You See a BEE



This book will help kids understand why there's so much buzz about bees. *Next Time You See a Bee* reveals the big impact these little insects have on the world. It explains how bees pollinate flowers as they zip from bloom to bloom, allowing the flowers to produce delicious foods such as apples, almonds, and peaches. It describes the amazing physical features that make bees top-notch pollinators. The book also introduces readers to the wide variety of North America's native bee species, discusses why bees are threatened, and shares what readers can do to help. By reading *Next Time You See a Bee*, kids can learn to observe bees without fear—and make a beeline to help protect bees for the good of us all.



Awaken a sense of wonder in a child with the *Next Time You See* series from NSTA Kids. The books inspire elementary-age children to experience the enchantment of everyday phenomena such as clouds, maple seeds, Moon phases, pill bugs, fireflies, seashells, and sunsets. Free supplementary activities are available on the NSTA website.

Especially designed to be experienced with an adult—be it a parent, teacher, or friend—*Next Time You See* books serve as a reminder that you don't have to look far to find something remarkable in nature.

Grades K-5
Lexile® measure: 940L

NSTA Kids
National Science Teachers Association

PB329X9
ISBN: 978-1-68140-651-0

