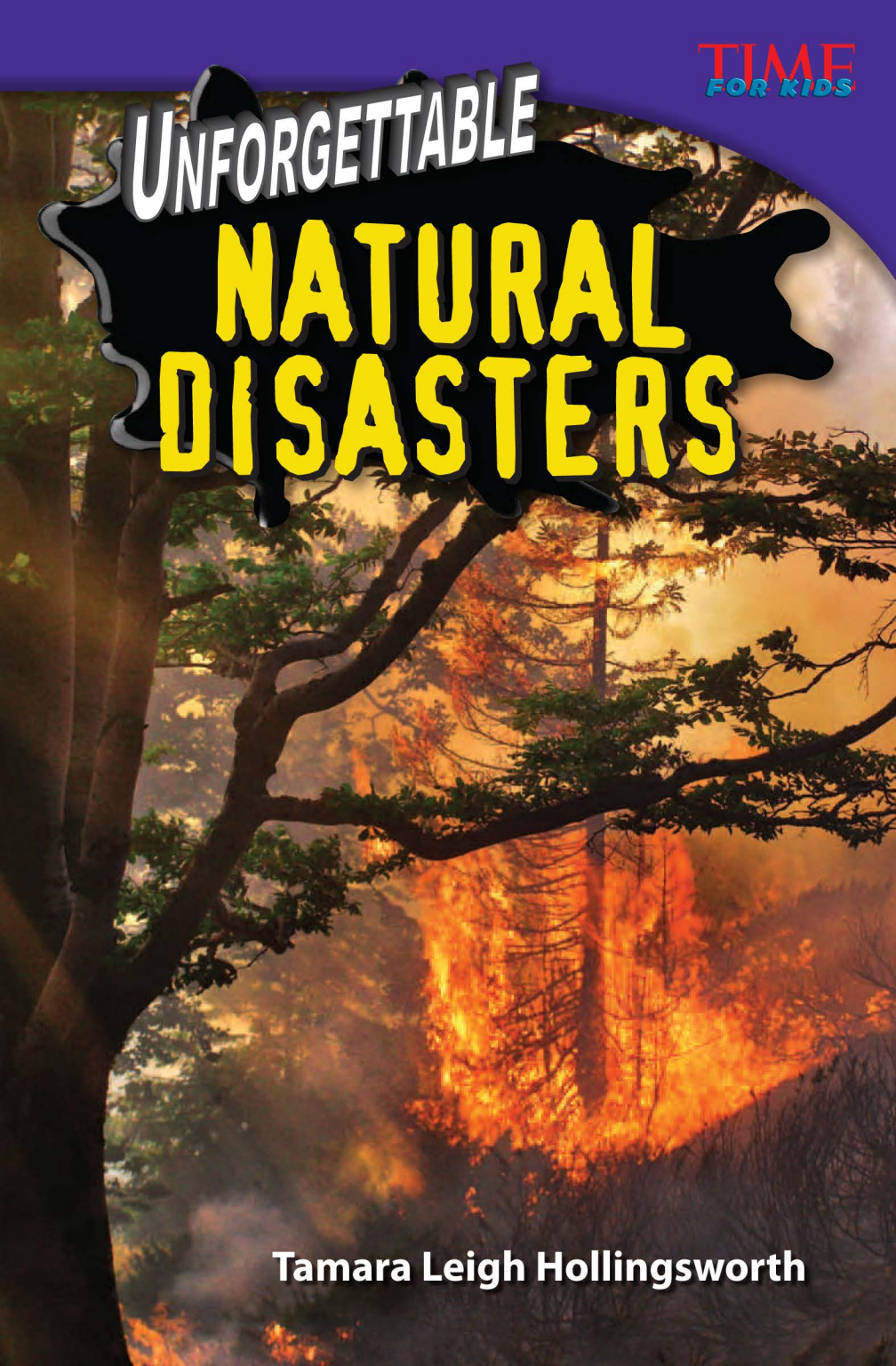

TIME FOR KIDS
UNFORGETTABLE
NATURAL DISASTERS
Tamara Leigh Hollingsworth

Consultants

Timothy Rasinski, Ph.D.
Kent State University

Lori Oczkus
Literacy Consultant

Based on writing from *TIME For Kids*. *TIME For Kids* and the *TIME For Kids* logo are registered trademarks of TIME Inc. Used under license.

Publishing Credits

Dona Herweck Rice, *Editor-in-Chief*
Lee Aucoin, *Creative Director*
Jamey Acosta, *Senior Editor*
Heidi Fiedler, *Editor*
Lexa Hoang, *Designer*
Stephanie Reid, *Photo Editor*
Rane Anderson, *Contributing Author*
Rachelle Cracchiolo, *M.S.Ed., Publisher*

Image Credits: p.19 Alamy; p.25 Associated Press; p.44 The Bridgeman Art Library; pp.44–45, 46 Corbis; pp.28–29 Encyclopædia Britannica, Inc.; pp.33, 38, 50–51 Getty Images/Science Faction; p.54 CDC.gov; pp.26, 53 (bottom) Library of Congress; pp.46–47 Thomas Coex/AFP/Getty Images/Newscom; p.5 Stan Honda/AFP/Getty Images/Newscom; p.39 Yasuyoshi Chiba/AFP/Getty Images/Newscom; p.7 Made Nagi/EPA/Newscom; p.41 (bottom) imagebroker/Michael Dietrich/Newscom; pp.26–27 Tom Van Dyke/MCT/Newscom; pp.6–7 Thomas Peter/Reuters/Newscom; p.30 Baz Ratner/Reuters/Newscom; pp.18–19 Supri/Reuters/Newscom; p.24 Newscom; p.4 Eddie Mejia/Splash News/Newscom; p.53 (top) wenn.com/Newscom; p.56 Zuma Press/Newscom; p.41 (top) Zuma Press/Newscom; pp.23, 40–41 Gary Hincks/Photo Researchers Inc.; p.51 Photo Researchers Inc.; pp.16 (bottom), 17 (bottom), 55 (illustrations) John Scahill; pp.16–17, 22 (illustrations) Timothy J. Bradley; All other images from Shutterstock.

Teacher Created Materials
5301 Oceanus Drive
Huntington Beach, CA 92649-1030
http://www.tcmpub.com

ISBN 978-1-4333-4948-2
© 2013 Teacher Created Materials, Inc.

For teachers' inspection ONLY

TABLE OF CONTENTS

Life in the Danger Zone 4
Danger from Above 10
Trouble from Below 14
When You Least Expect It 30
Disaster from Within 48
Learning from Disaster 56
Glossary 58
Index 60
Bibliography 62
More to Explore 63
About the Author 64

For teachers' inspection ONLY

LIFE IN THE DANGER ZONE

When a disaster hits, it can be hard to find food. Houses may be without running water. In fact, the houses themselves may have been destroyed. There may be nowhere to live, nowhere to sleep, and nothing to eat. Disasters can be scary, but the ways they bring people together can be unforgettable.



Victims of the 2010 Haitian earthquake wait for help to arrive.



A volunteer hands out sandwiches to children who lost their homes during Hurricane Katrina in 2005.

THINK LINK

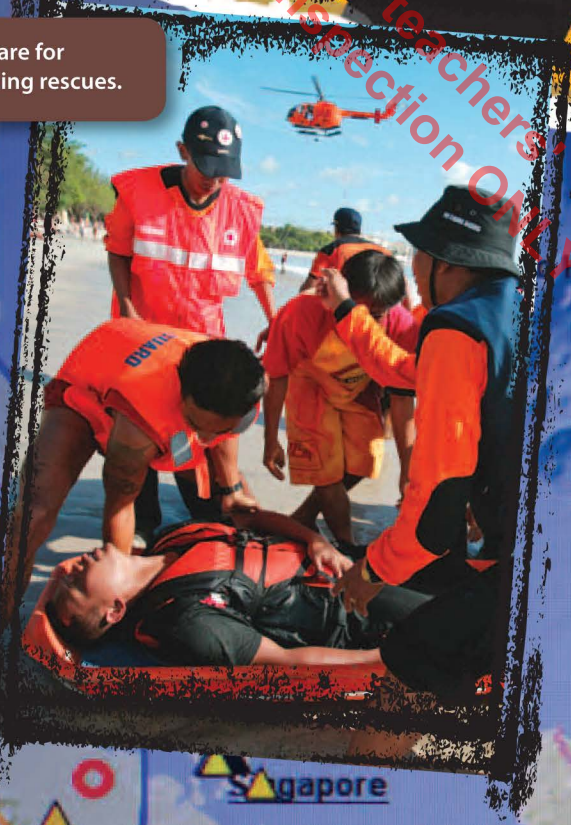
- How do disasters affect the world?
- How can we predict when the next disaster will occur?
- How can we survive disasters in the future?

Natural disasters can happen anytime, anywhere. What's the best way to avoid a disaster? Know when one is coming! Progress has been made in predicting disasters. Scientists track weather patterns. They watch for impending floods and hurricanes. But when it comes to predicting earthquakes and volcanic **eruptions**, it gets more difficult. Often, they occur without any warning.

Natural disasters will continue to affect us no matter what we do. But we can prepare for them. And when the worst happens, we can work together to rebuild what was lost.

"I beg you take courage; the brave soul can mend even disaster."

—Catherine the Great, Russian Empress



Rescue teams prepare for disasters by practicing rescues.

For teachers' inspection Only

Charting Tremors

Scientists map earthquakes and their aftershocks, the small earthquakes that often happen after a huge one. This helps them predict and reduce damage during the next disaster.

For teachers' inspection ONLY

DIG DEEPER!

The Global Alert System

If a disaster is **imminent**, we want to know about it. That is why the Global Disaster Alert and Coordination System (GDACS) was created. The GDACS tracks the weather and gathers data from around the world. It monitors earthquakes, water levels, and wind speeds. Scientists study the data and make predictions. Then, they alert people when a disaster may be coming. These alerts give up-to-date information before and after a disaster hits.



Even an hour's warning can give people in the danger zone time to prepare or escape to safety.