

UNDERWATER ROBOTS

LUKE COLINS



BLACK
RABBIT
BOOKS



Bolt Jr. is published by Black Rabbit Books
P.O. Box 3263, Mankato, Minnesota, 56002.
www.blackrabbitbooks.com
Copyright © 2020 Black Rabbit Books

Grant Gould, designer; Omay Ayres, photo researcher

All rights reserved. No part of this book may be reproduced in any form without written permission from the publisher.

Title: Underwater robots / by Luke Colins.
Description: Mankato, Minnesota : Black Rabbit Books, [2020] | Series: Bolt Jr. world of robots | Includes bibliographical references and index. | Audience: Age 6-8. | Audience: Grades K to 3. | Identifiers: LCCN 2019003853 (print) | LCCN 2019004568 (ebook) | ISBN 9781623101732 (e-book) | ISBN 9781623101671 (library binding) | ISBN 9781644661116 (paperback) | Subjects: LCSH: Submersibles—Juvenile literature. | Robots—Juvenile literature. | Classification: LCC VM365 (ebook) | LCC VM365 .C58 2020 (print) | DDC 623.82/74—dc23 | LC record available at <https://lcn.loc.gov/2019003853>

Printed in the United States. 5/19

Image Credits

actu.epfl.ch: EPFL, 10; deepocean.com: Deep Ocean Engineering, 6–7; hawaiipublicradio.org: ELISHA WOOD-CHARLSON / UHM / Hawaii Public Radio, 12; kongsberg.com: Seaglider/Kongsberg, 8–9; manoa.hawaii.edu: WHOI/UH, 18; mbari.org: MBARI, 20–21; news.stanford.edu: DRASSM, 22–23; niu.edu: NIU/Antarctic-Bound Submarine, 5; ranmarine.io: Ran Marine, 13; Shutterstock: Andrey Suslov, Cover, 1; Iakov Filimonov, 4, 21; Martin Nezval, 3, 24; martin_hristov, 16–17 (wreck); Rostislav Ageev, 7; S.Bachstroem, 17 (bot); Zern Liew, 14 (bkgd); washington.edu: Jason Gobat, 11

Contents

Chapter 1

On the Job 4

Chapter 2

Helping Oceans 10

Chapter 3

Exploring Oceans 16

More Information 22

On the Job

A huge ship floats in the Antarctic Ocean. It breaks through the sea ice. People lower a yellow robot into the water. It's going to do some **exploring**.



explore: to look at and study something





Watery Jobs

Bots do many underwater jobs.
Some study water. Others clean oceans.
Some bots help find hidden animals.



35,813 feet
(10,916 meters)
how deep one
underwater bot can go

DEPTH
COMPARISON

350 feet
(107 m)
how deep trained scuba
divers can go

PARTS OF A

Seaglider Bot

hull

antenna

nose

rudder

wings

