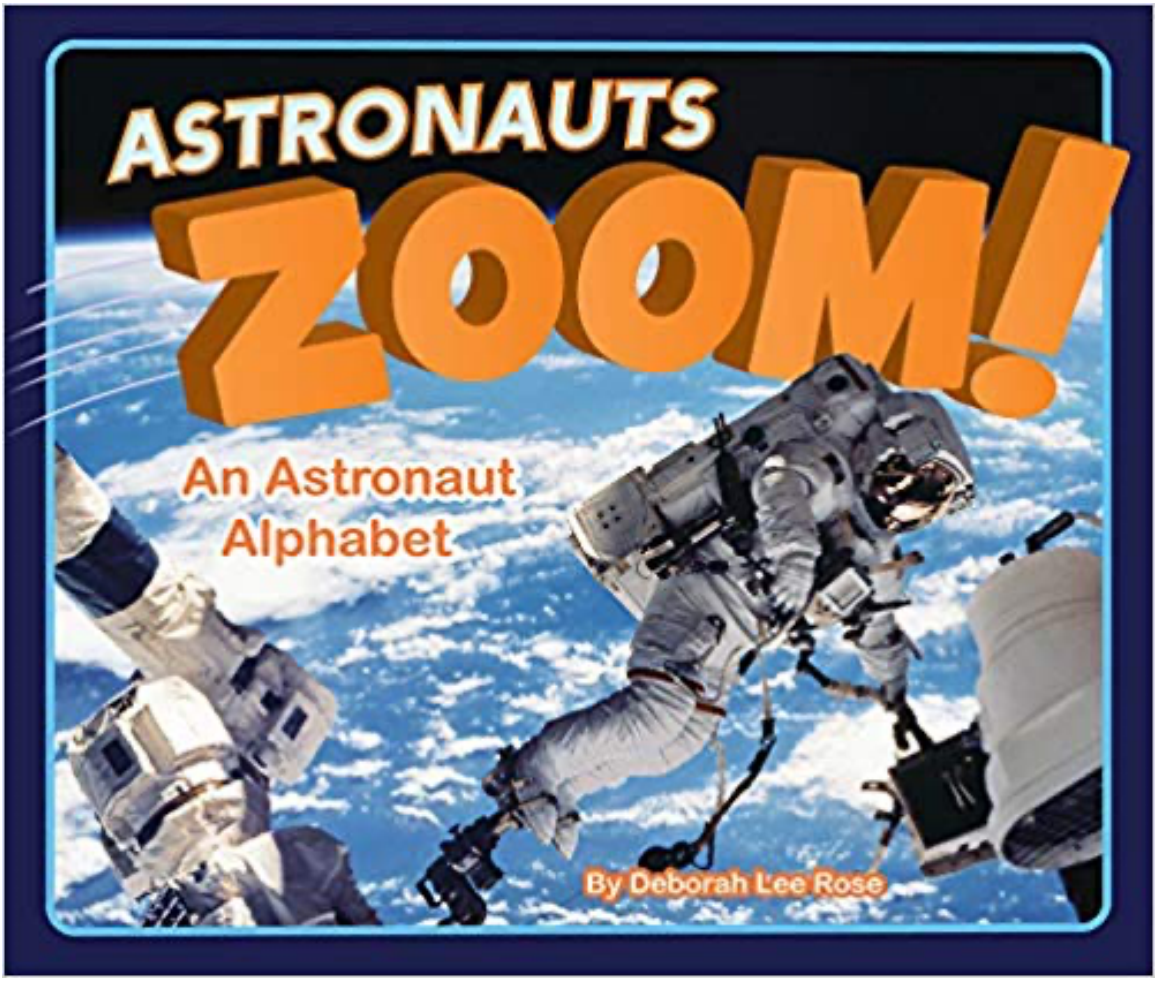
# *ASTRONAUT TOOLS TREASURE HUNT ACTIVITY*

For use with Deborah Lee Rose's new book *ASTRONAUTS ZOOM!*




***Go on an Astronaut Tools Treasure Hunt through Astronauts Zoom! Discover cool tools that help women and men astronauts live and work on the International Space Station.***

**(For treasure hunt answers and more, go to [www.deborahleerose.com](http://www.deborahleerose.com).)**

**FUN FACT**
Even if you turn the book *Astronauts Zoom!* upside down, all the NASA photos taken on or from the International Space Station will still be correct—since there's no "right side up" or "upside down" on the International Space Station!!

*ASTRONAUT TOOLS TREASURE HUNT ACTIVITY/For ASTRONAUTS ZOOM!*

**How many of these 20 tools can you find in the book?**

camera_____ robotic arm_____
spacesuit_____ tablet device_____
gloves_____ cooling tubes_____
helmet_____ gold visor_____
vacuum_____ windows_____
microscope_____ handrail_____
scissors_____ exercise machine_____
computer_____ spacesuit lights_____
wristwatch_____ safety tether_____
microphone_____ fitness wristband_____

**How are astronauts using each tool in the photos?**

**Which tools let astronauts do something they couldn't do on Earth, like spacewalking?**

**How do you think tools help astronauts stay safe, answer science questions, and do engineering work?**

**What tool would you design for astronauts in space? Draw your tool idea or make a 3-dimensional model. How would it be used?**

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*Astronaut praise for Astronauts Zoom!*
*"...great photographs showing how we live in Earth orbit to inspire the next generation of space explorers and workers."* — Former NASA astronaut Jay Apt, Space Shuttle missions STS-37, 47, 59, 79

*Astronauts Zoom!* is published by Persnickety Press/WunderMill Books, ISBN 97978-1-943978-50-2. Deborah's books also include *Beauty and the Beak: How Science, Technology, and a 3D-Printed Beak Rescued a Bald Eagle*, *Scientists Get Dressed*, *The Twelve Days of Kindergarten*, *The Twelve Days of Winter*, *Jimmy the Joey*, *Into the A, B, Sea,* and *Ocean Babies*. She speaks to schools, libraries, conferences, and events.

NGSS Highlights—*Astronauts Zoom!* can be used in connection with NGSS, including: Understandings About the Nature of Science: K-2 *Men and women of diverse backgrounds are scientists and engineers.* 3-5 *Science investigations use a variety of...tools....* Engineering Design: K-2 *Develop a simple model based on evidence to represent a proposed object or tool.* 3-5 *Define a simple design problem that can be solved through the development of an object, tool...*