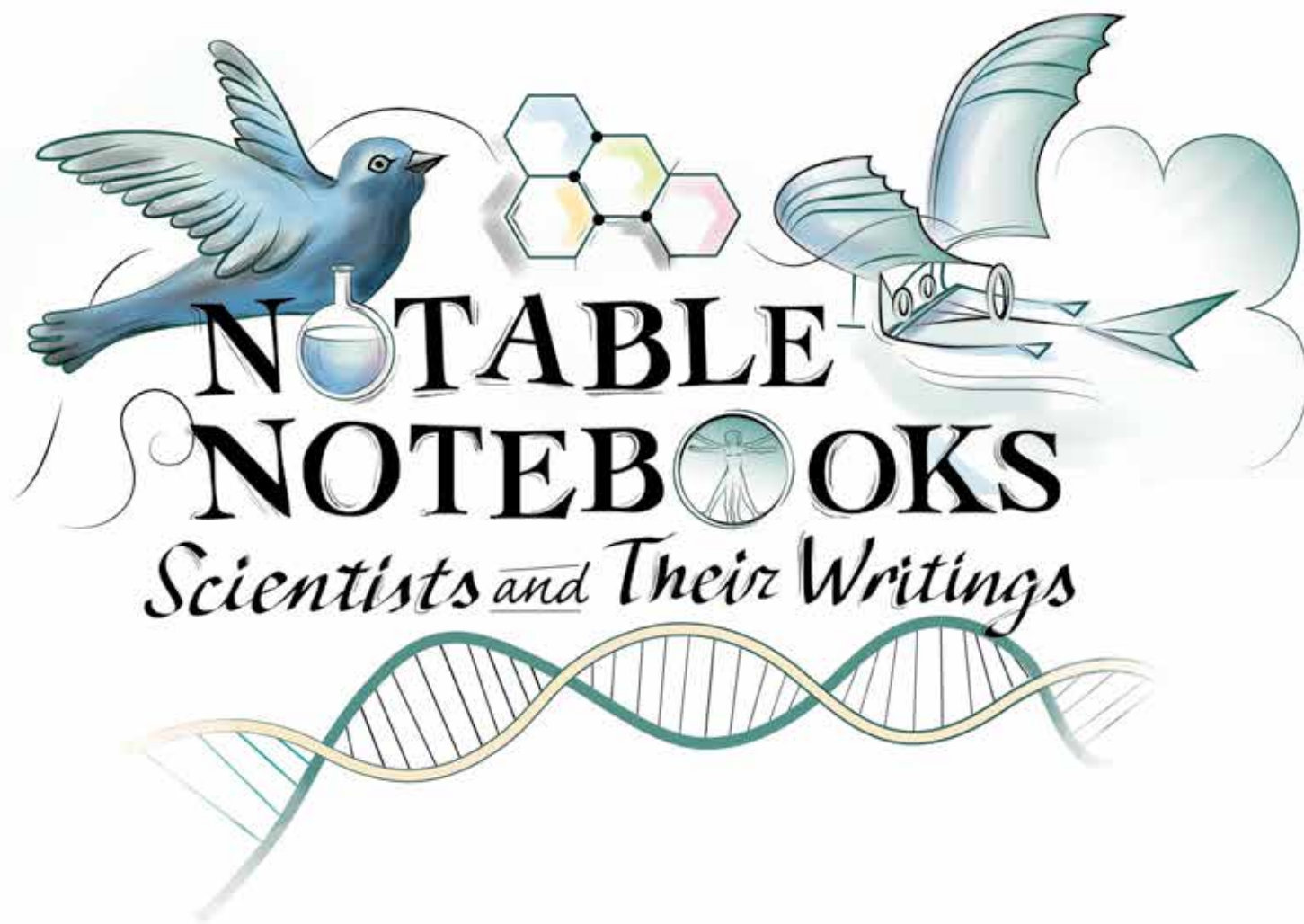


Jessica Fries-Gaither

NSTA Kids
National Science Teachers Association





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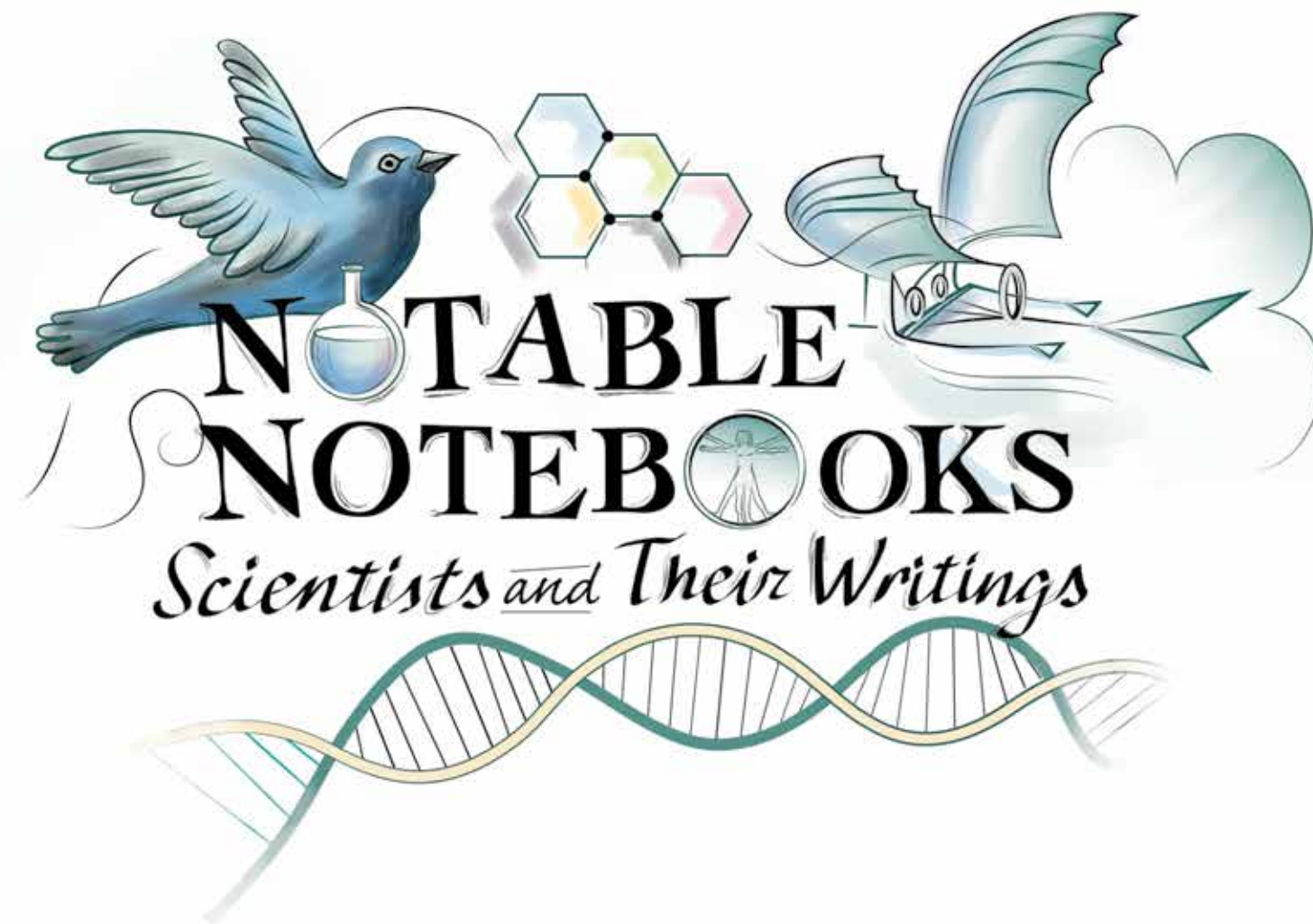
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**NOTABLE
 NOTEBOOKS**
Scientists and Their Writings

By **Jessica Fries-Gaither**
 Illustrated by **Linda Olliver**





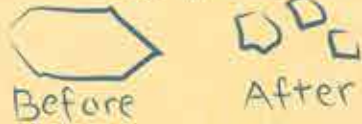
CHANGES to the Earth from



Weathering Breaks down Rock



Frozen Water expands cracks it



The Moon

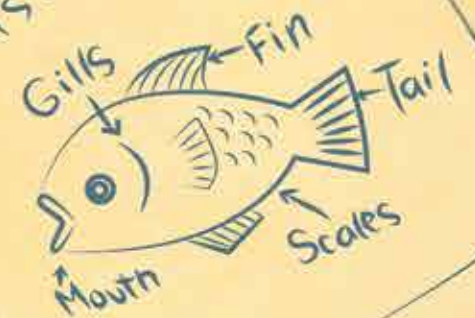


Why are there craters on the Moon?

Asteroids and Meteors crush into the Moon and leave big holes called craters

The Moon has no atmosphere so it cannot burn up the Space rocks like Earth

Parts of a FISH



In Science I can
Question
Research
Hypothesize
Prepare
Experiment
Collect Data
conclude

Of all a scientist's tools, objects rare and common, the lowly science notebook is most easily forgotten.

Scientists write in notebooks about every plant and crater; notebooks help them understand what they observe in nature.

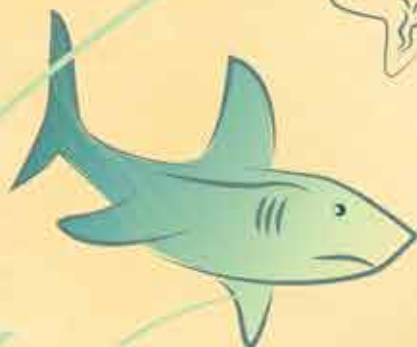
What makes a notebook special? It's a place to think and dream, to write down thoughts and questions about all that you have seen.



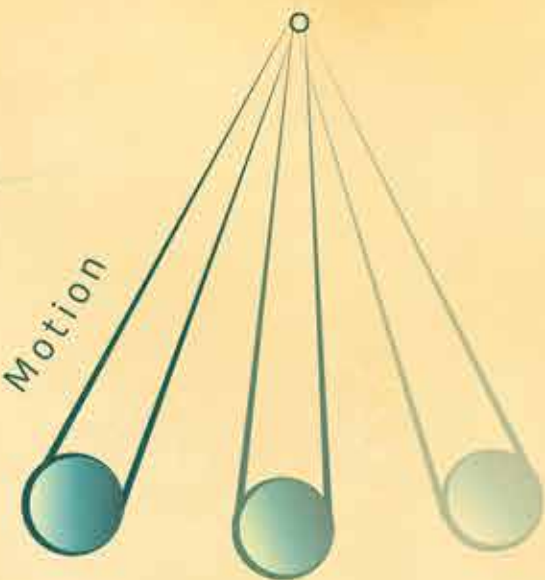


Environments

Oceans



Motion



Gravity



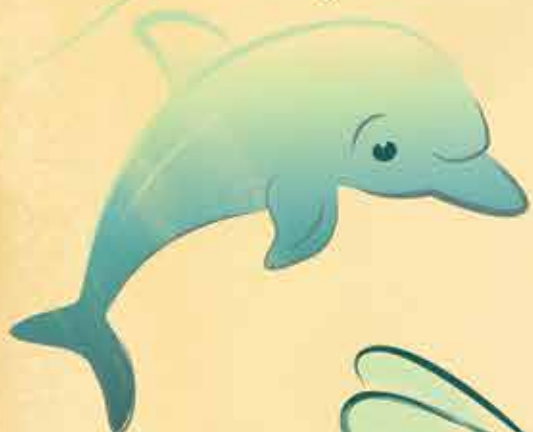
Space



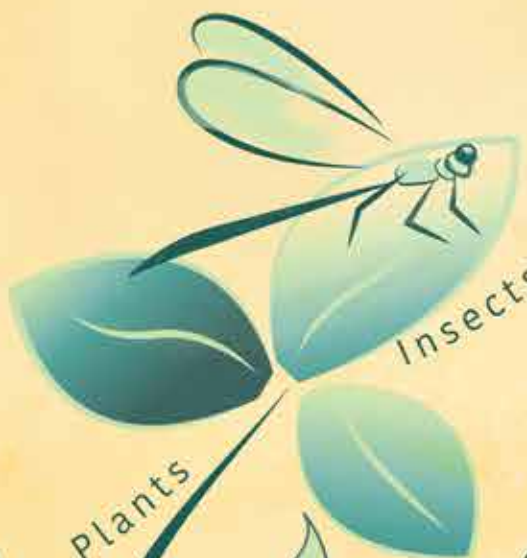
If you find a science notebook,
open it and have a look.
You will surely be amazed
by what's inside this book.

Reading such a notebook
is a great way to explore.
We can learn so many things
from those who came before.

Sea Life

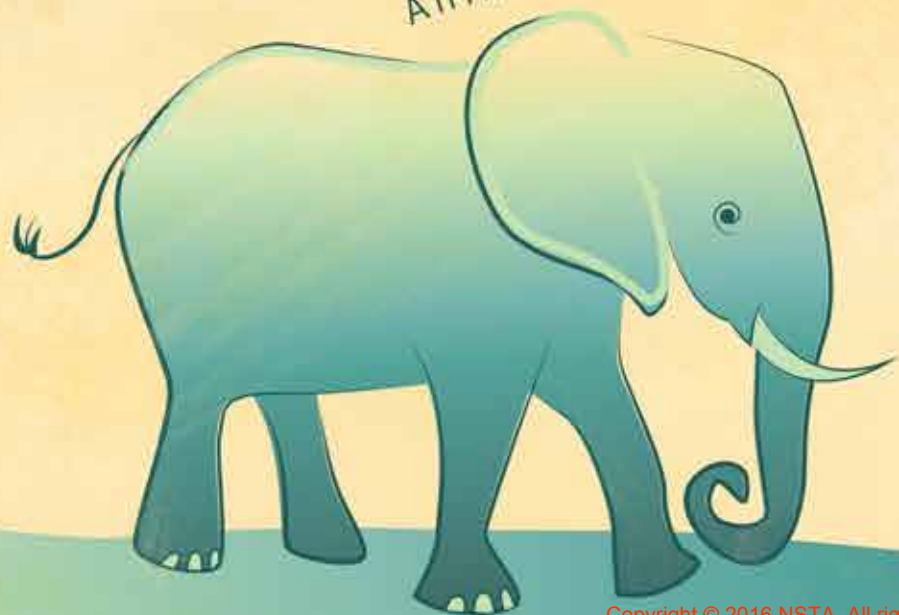


Insects



Plants

Animals



Energy



Wind

Weather

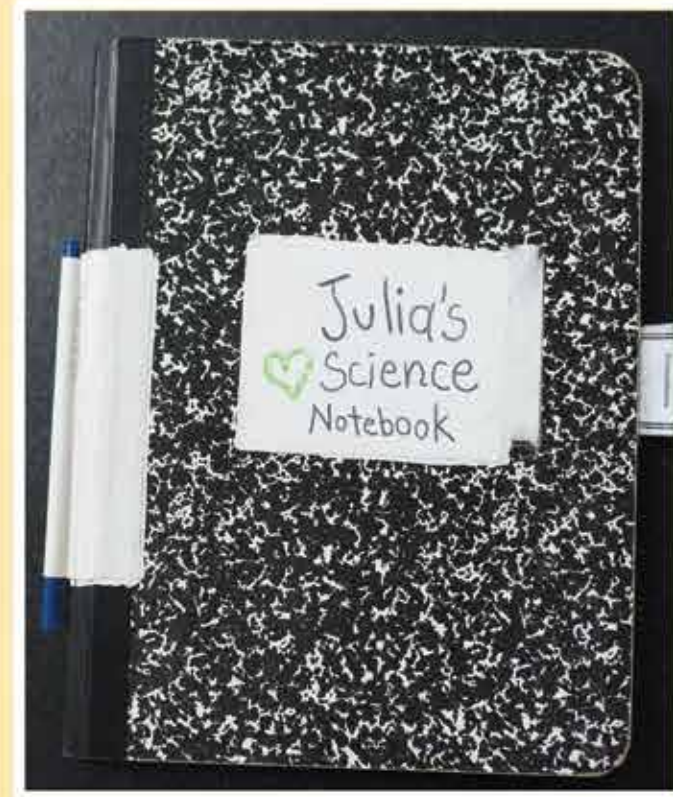


Climate

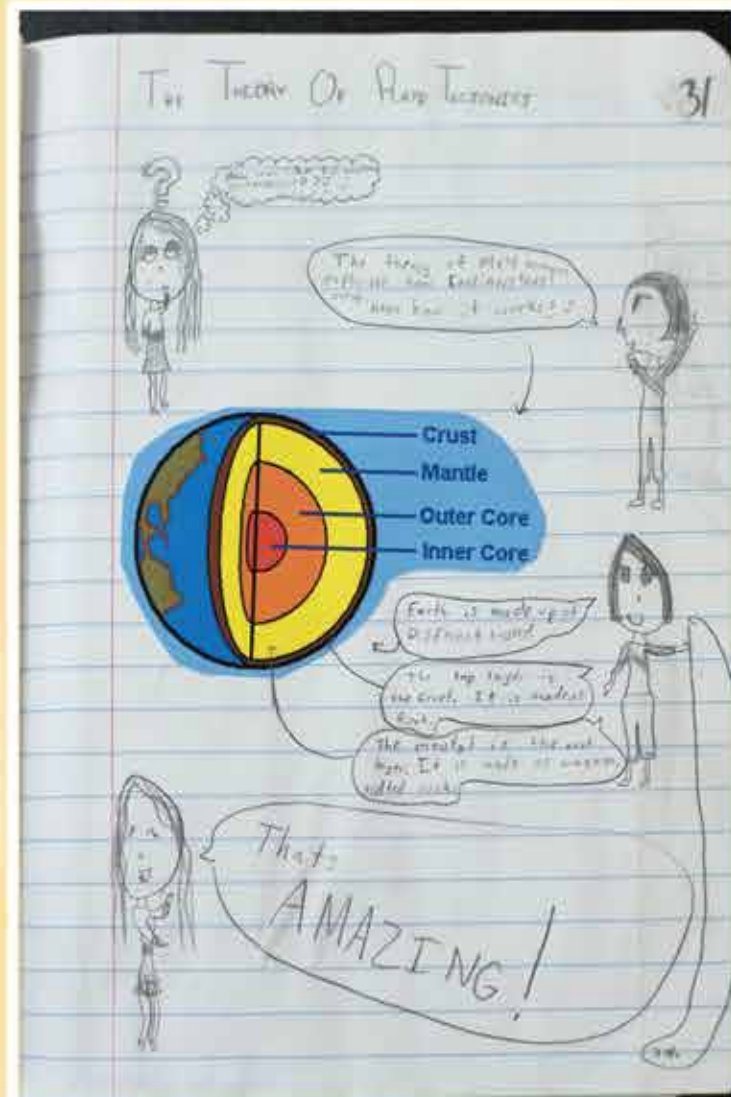
Don't believe me? Then let's go!
Let's travel through time and see
exactly how important
one notebook just might be.

You can start your own science notebook! Here's how:

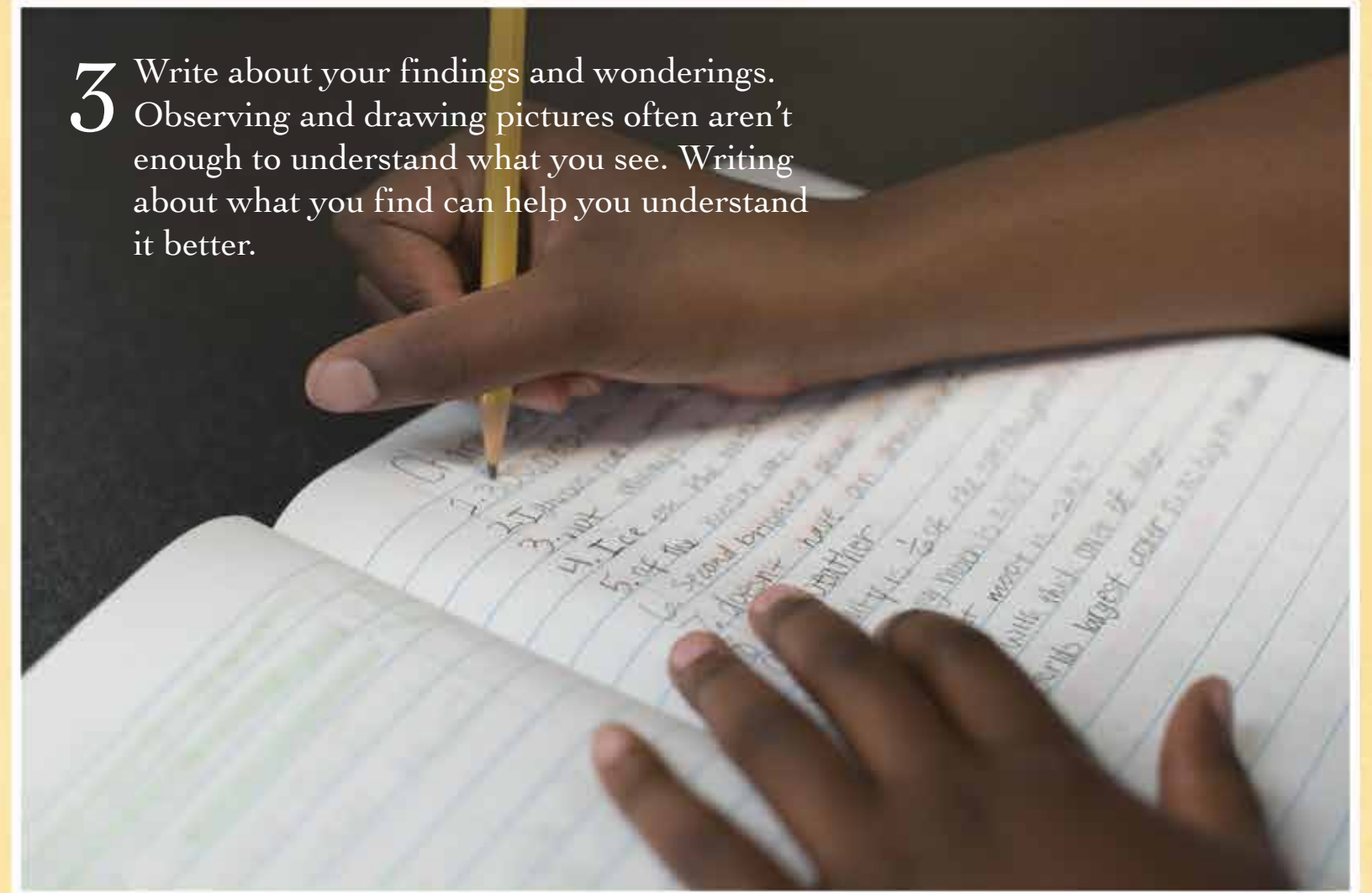
1 Choose a notebook. It doesn't have to be fancy or expensive; even some paper stapled together will do! Your notebook can have lined or unlined paper or even graph paper. Whatever you like best will be fine.



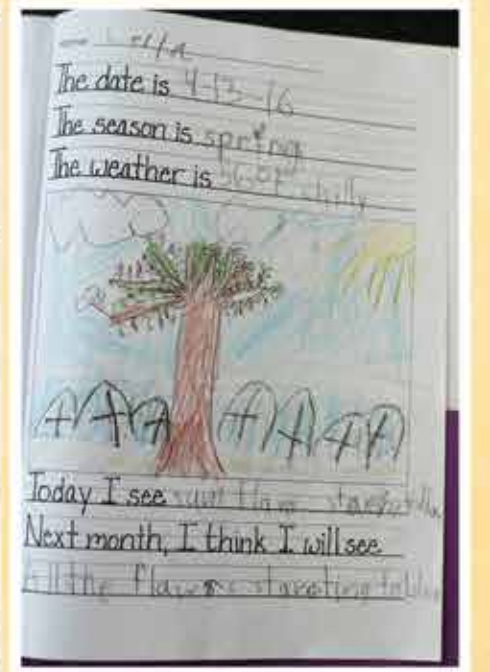
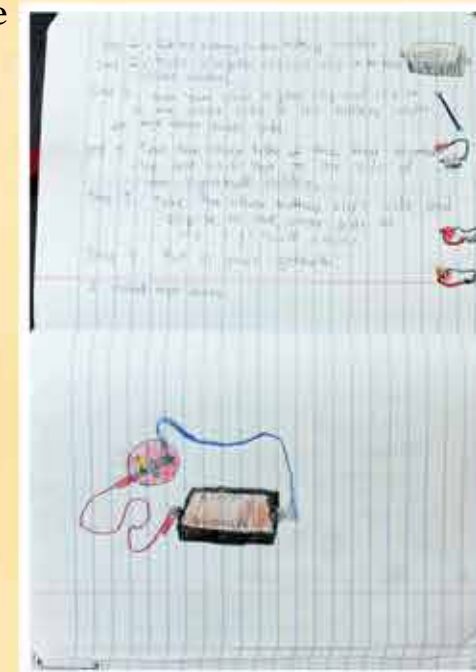
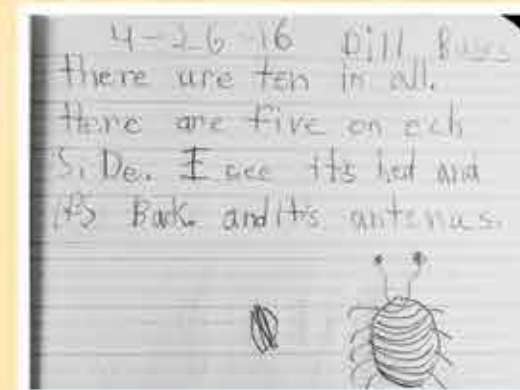
2 Decide what you'd like to study. Maybe you'd like to watch birds or sketch pictures of flowers. Maybe you'd like to try experiments with liquids or look at pond water through a microscope. Whatever you do, your notebook is a great place to record what you are studying.

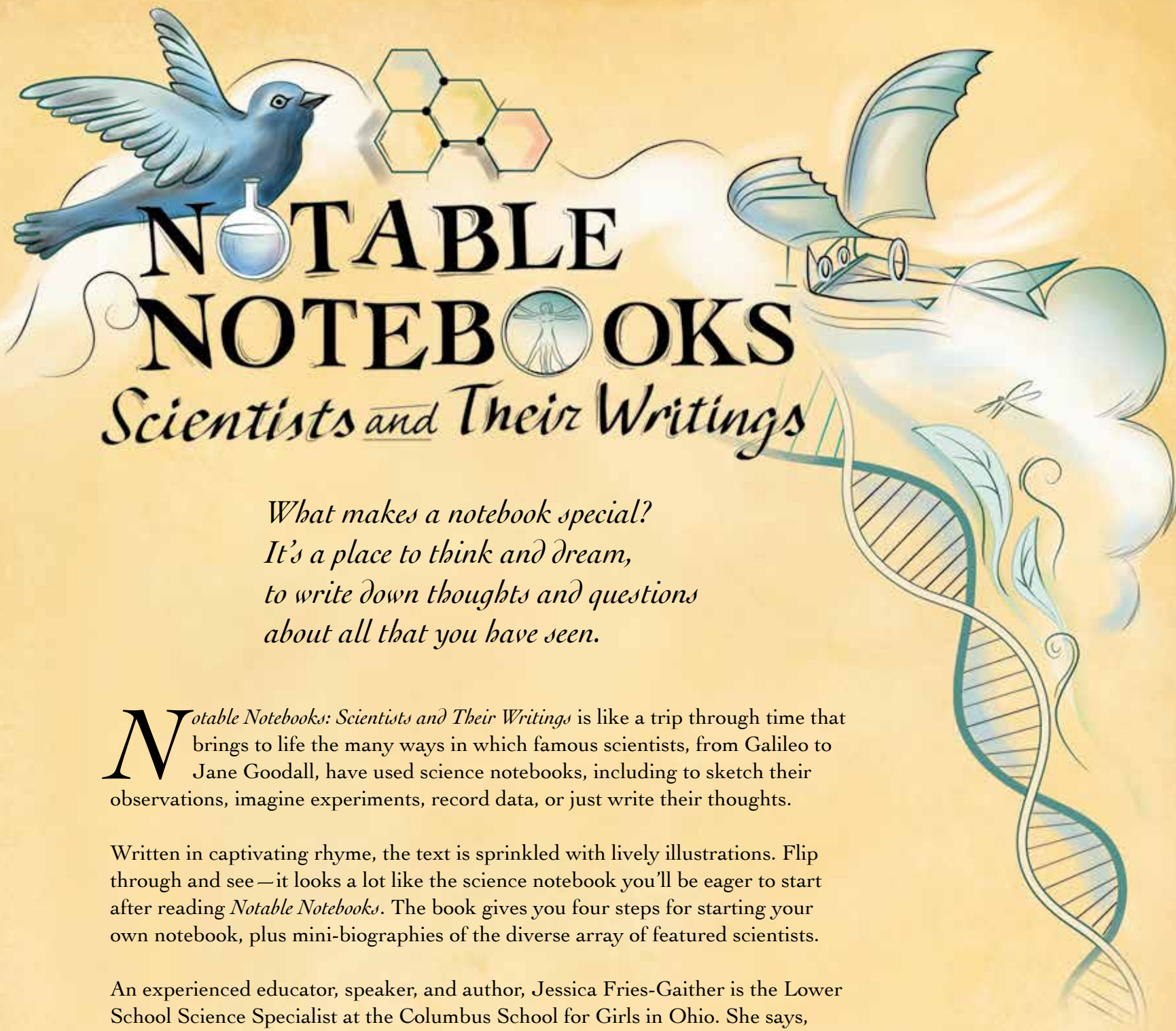


3 Write about your findings and wonderings. Observing and drawing pictures often aren't enough to understand what you see. Writing about what you find can help you understand it better.



4 Share your work. Just like the work of the scientists in this book, your work is important! Share it with your family, friends, or teachers at school.





NOTABLE NOTEBOOKS

Scientists and Their Writings

*What makes a notebook special?
It's a place to think and dream,
to write down thoughts and questions
about all that you have seen.*

Notable *Notebooks: Scientists and Their Writings* is like a trip through time that brings to life the many ways in which famous scientists, from Galileo to Jane Goodall, have used science notebooks, including to sketch their observations, imagine experiments, record data, or just write their thoughts.

Written in captivating rhyme, the text is sprinkled with lively illustrations. Flip through and see—it looks a lot like the science notebook you'll be eager to start after reading *Notable Notebooks*. The book gives you four steps for starting your own notebook, plus mini-biographies of the diverse array of featured scientists.

An experienced educator, speaker, and author, Jessica Fries-Gaither is the Lower School Science Specialist at the Columbus School for Girls in Ohio. She says, "Every year, I wished I had a great read-aloud about scientists and their notebooks as we kicked off notebooking in my classes. I never found one, so I decided to write one myself." After reading her one-of-a-kind book, you'll see just how special it can be to have a place to jot down your thoughts and discoveries.

Grades 3–5
Lexile® measure: 670L

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