A 4D BOOK

INVESTIGATING THE SCIENTIFIC METHOD

by Donald B. Lemke | illustrated by Tod G. Smith and Al Milgrom

WITH MAX AXIOM™ SUPER SCIENTIST

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GRAPHIC SCIENCE

INVESTIGATING THE SCIENTIFIC METHOD

WITH MAX AXIOM™ SUPER SCIENTIST

4D An Augmented Reading Science Experience

by Donald B. Lemke | illustrated by Tod G. Smith and Al Milgrom

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Summary: In graphic novel format, follows the adventures of Max Axiom as he explains the scientific method.

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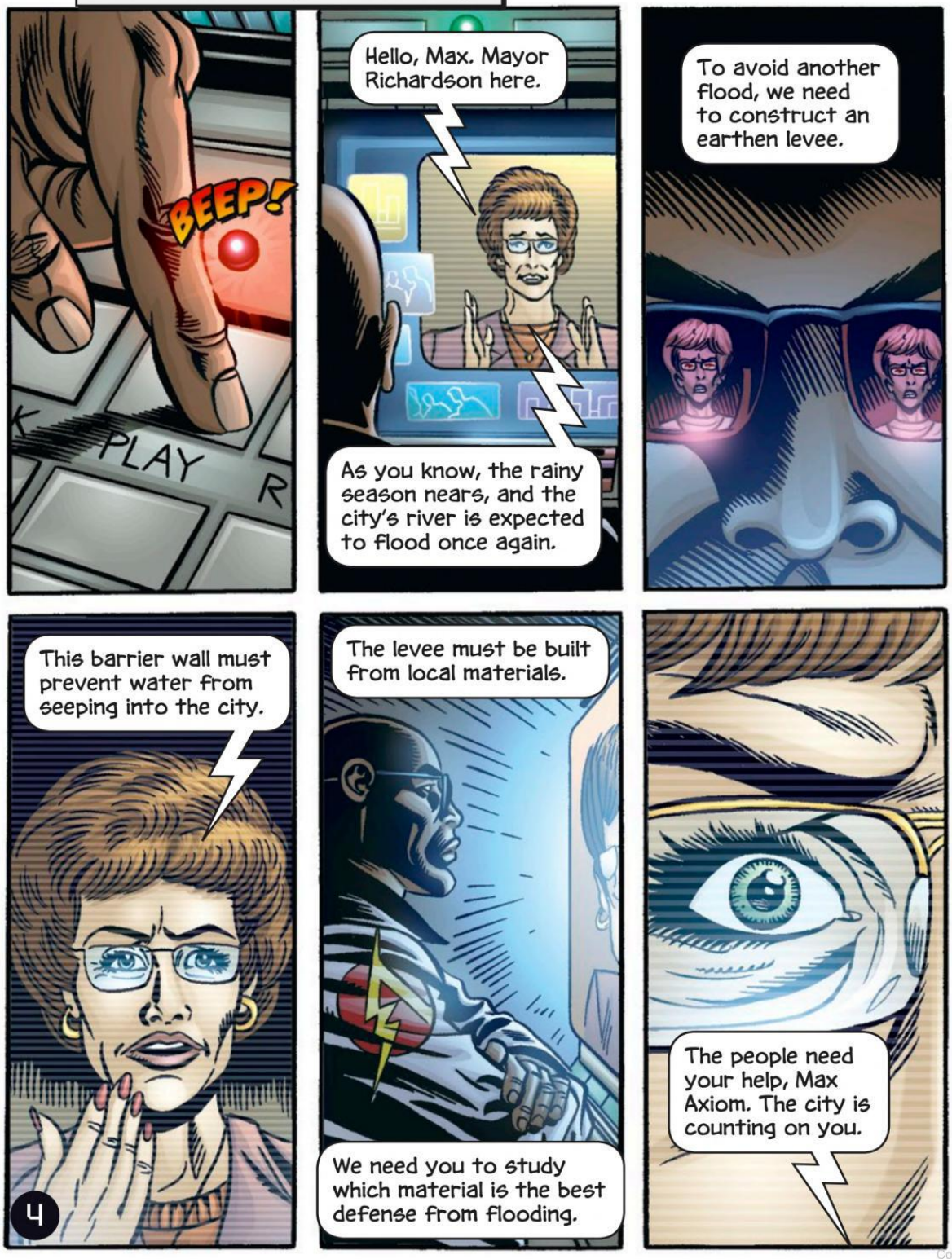
Inside his high-tech laboratory, Super Scientist Max Axiom receives an important video message.



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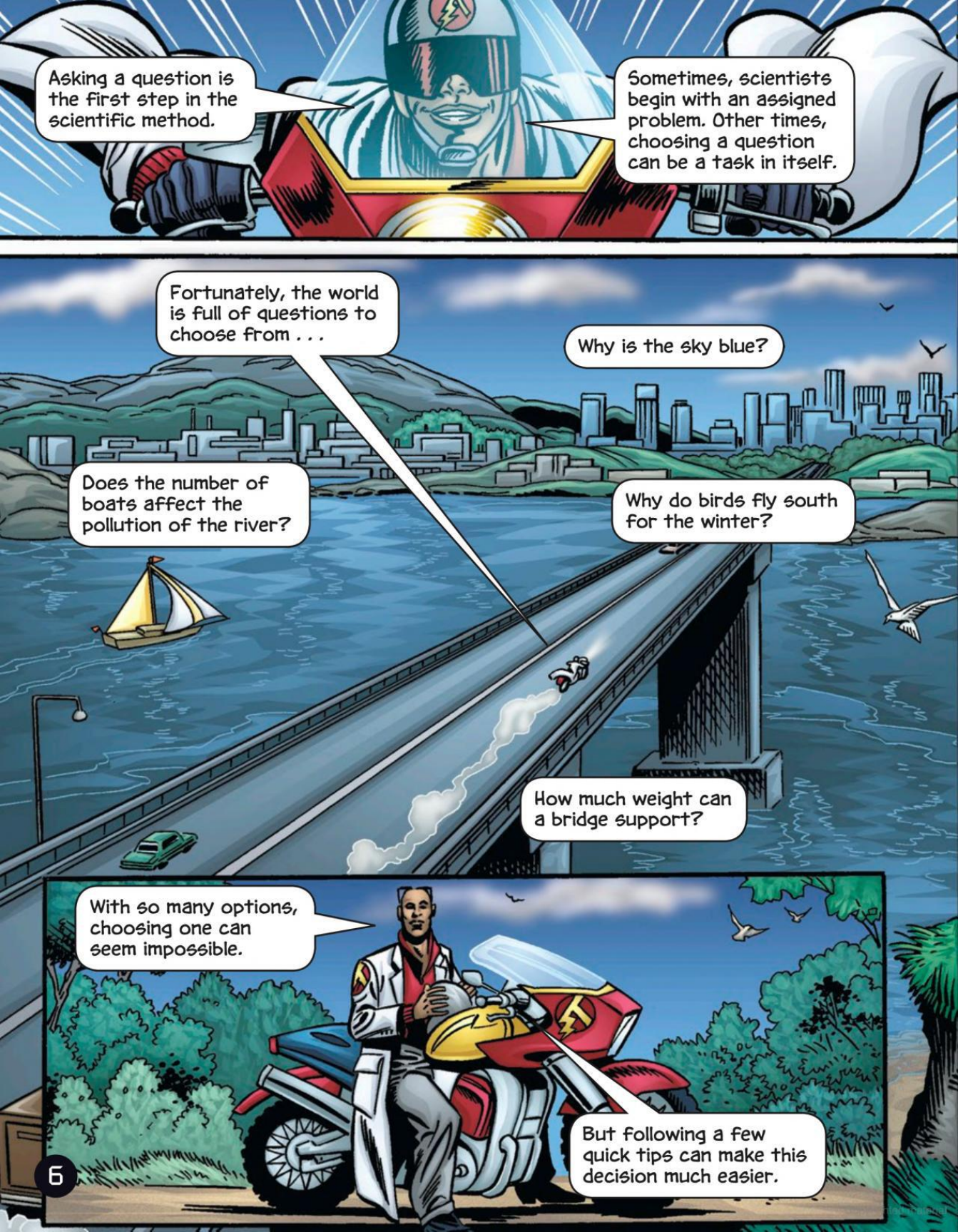
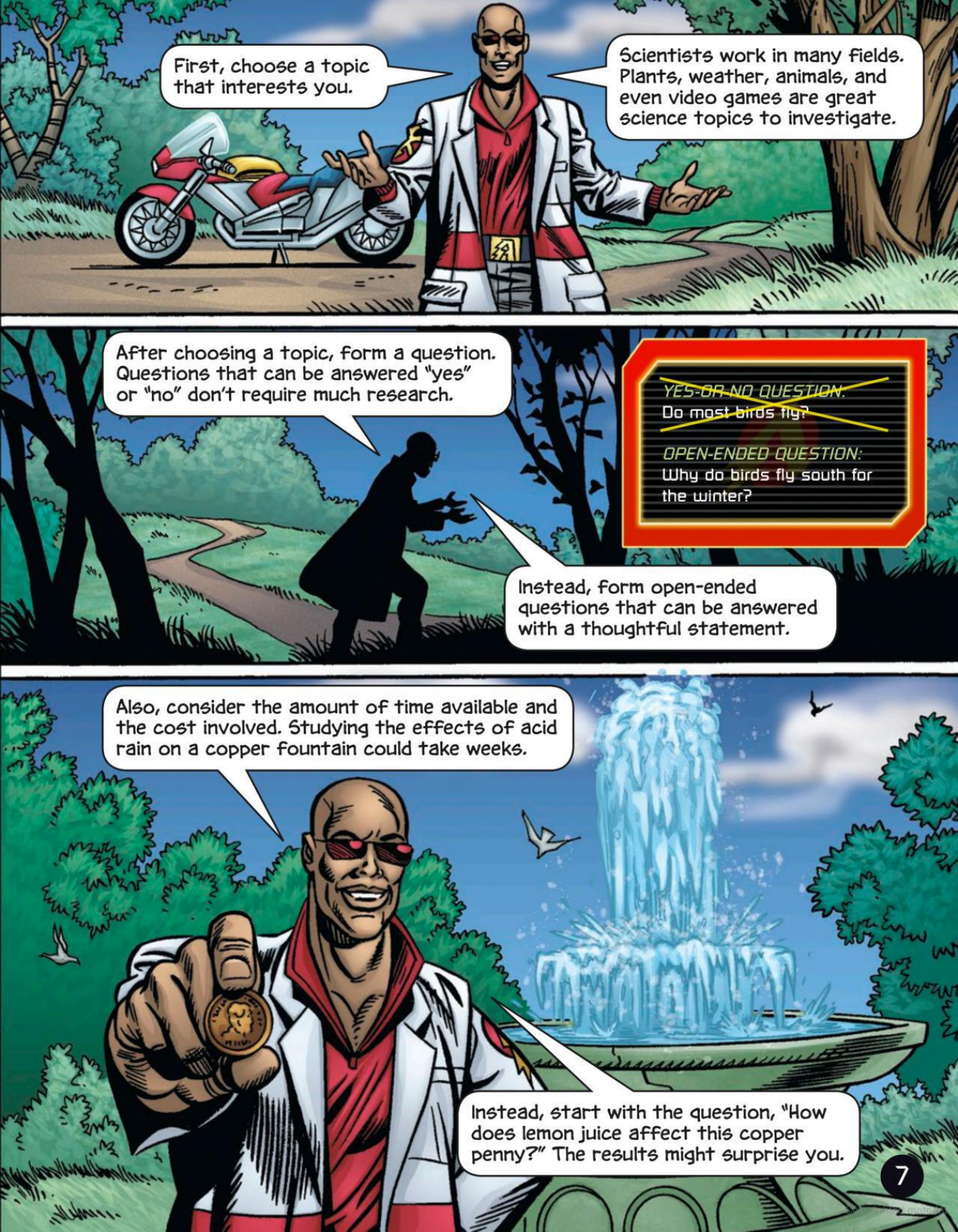

Asking a question is the first step in the scientific method.
Sometimes, scientists begin with an assigned problem. Other times, choosing a question can be a task in itself.
Fortunately, the world is full of questions to choose from . . .
Why is the sky blue?
Does the number of boats affect the pollution of the river?
Why do birds fly south for the winter?
How much weight can a bridge support?
With so many options, choosing one can seem impossible.
But following a few quick tips can make this decision much easier.


First, choose a topic that interests you.
Scientists work in many fields. Plants, weather, animals, and even video games are great science topics to investigate.
After choosing a topic, form a question. Questions that can be answered "yes" or "no" don't require much research.
YES-OR-NO QUESTION:
Do most birds fly?
OPEN-ENDED QUESTION:
Why do birds fly south for the winter?
Instead, form open-ended questions that can be answered with a thoughtful statement.
Also, consider the amount of time available and the cost involved. Studying the effects of acid rain on a copper fountain could take weeks.
Instead, start with the question, "How does lemon juice affect this copper penny?" The results might surprise you.


After forming a question, the next step is gathering information on the topic.
The library is a great place for me to learn about levees and local materials.
LIBRARY
WEEKDAY HOURS
It has books, magazines, newspapers, the Internet —
And don't forget about the librarian, Max!
Of course not, Mrs. Vargas. Librarians are great resources for finding the information you need.
The amount of information seems overwhelming. So, take notes, and record the book, article, or Web site where you found the information.
Yes, getting through the maze of information once is difficult. Finding your way back could be impossible.

THE INTERNET

ACCESS GRANTED: MAX AXIOM

With hundreds of millions of web sites, the Internet is an information gold mine. But even gold miners dig through a lot of rubble to find a shiny nugget. Fortunately, one word can guide anyone toward the riches of the Internet.

Note the date: Is the information current?

Evaluate the source: Is the Web site reliable?

Track the information: Does the Web site say where the information came from?

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