

A World Without This Scientific Principle



Book Builder

SCIENCE

Overview

Students imagine a world where one scientific principle stops working and follow the consequences, testing how well they understand it.

Steps for Teachers

1. Students choose a principle they have studied (gravity, friction, evaporation, magnetism)
2. Students state exactly what the principle does in one sentence
3. Students list five things that would change if it stopped
4. Students rank the consequences from immediate to long-term
5. Students plan pages that walk a character through the changed world in that order
6. Students write the pages, keeping every OTHER law of nature working normally
7. Students add a final page explaining what the story shows about the real principle

Example

A student's book turns off friction. Page one: a character cannot pick up a pencil. Page two: nobody can walk, so the streets are full of people sliding into walls. Page three: knots untie themselves and every shoe falls off. The last page explains that friction is what lets things hold on to each other.

Grading Rubric

Criteria	Excellent	Proficient	Developing
Conceptual Understanding	Consequences follow correctly from what the principle actually does	Most consequences are right; one or two don't follow	Consequences reveal a misunderstanding of the principle
Consistency	Only the chosen principle is suspended; everything else behaves normally	Mostly consistent with one unexplained exception	Multiple laws are broken, so nothing can be concluded
Storytelling	Clear beginning, middle and end; each page turn moves the story forward	Story is organized but some pages stall or repeat	Story is disorganized or hard to follow
Book Craft	Text is easy to read, art supports every page, and the layout is consistent throughout	Pages are readable with some crowding or uneven placement	Text overlaps art or is hard to read; layout is inconsistent