

MIDDLE SCHOOL NONFICTION TEXT CAUSE AND EFFECT Online PDF

middle school nonfiction text cause and effect is a fundamental concept that helps students understand how events, actions, or situations are interconnected in real-life contexts. Mastering cause-and-effect relationships in nonfiction texts is vital for developing critical thinking, improving comprehension, and enhancing overall reading skills. This article explores what cause and effect means in middle school nonfiction, why it is important, how to identify these relationships, and effective strategies for teaching and learning this essential reading skill.

Understanding Cause and Effect in Middle School Nonfiction Texts

What Is Cause and Effect?

Cause and effect is a logical relationship where one event (the cause) leads to another event (the effect). Recognizing these relationships helps students grasp the reasons behind various phenomena and the consequences that follow actions or events.

In nonfiction texts, cause and effect are often used to:

- Explain historical events
- Describe scientific processes
- Analyze social issues
- Present arguments and supporting evidence

Examples of Cause and Effect in Nonfiction

Understanding cause and effect can be easier when students see real-world examples:

- Historical: The invention of the printing press caused the spread of knowledge and increased literacy.
- Scientific: Excessive use of pesticides can lead to environmental pollution.
- Social: Poor school attendance causes students to fall behind academically.
- Health: Eating too much sugar can lead to health problems like obesity and diabetes.

Why Is Cause and Effect Important in Middle School Nonfiction?

Enhances Critical Thinking Skills

Analyzing cause and effect requires students to think deeply about why events happen and what consequences follow. This skill promotes reasoning, inference, and evaluation?key components of critical thinking.

Improves Comprehension and Retention

When students understand the cause-and-effect relationships within a text, they can better remember details and grasp the overall message. Recognizing these relationships helps connect ideas and construct mental models of the material.

Prepares Students for Academic Success

Many standardized tests and academic assignments require students to identify causes and effects. Developing this skill early prepares them for future academic challenges in science, history, and language arts.

Fosters Real-Life Understanding

Understanding cause and effect in nonfiction helps students make sense of the world around them, making informed decisions and understanding societal issues.

How to Identify Cause and Effect in Nonfiction Texts

Look for Signal Words and Phrases

Authors often use specific words to signal cause-and-effect relationships, such as:

- because
- since
- as a result
- therefore
- thus
- consequently
- due to

Recognizing these words can help students pinpoint the relationship between events.

Ask Key Questions

Encourage students to ask questions like:

- What caused this event?
- What happened as a result?
- Why did this occur?
- What are the effects of this action?

Answering these questions guides students in identifying cause-and-effect pairs within the text.

Identify Cause and Effect in Context

Sometimes, cause and effect are implied rather than explicitly stated. Students should look at the context, details, and overall message to infer relationships.

Use Graphic Organizers

Visual tools can help students organize cause and effect relationships:

- Cause and Effect Charts: Show causes on one side and effects on the other.
- Flowcharts: Map out sequences of events.
- Timelines: Trace chronological cause-and-effect chains.

Strategies for Teaching Cause and Effect to Middle School Students

Explicit Instruction and Modeling

Teachers should first explain the concept clearly and model identifying cause-and-effect relationships using sample texts. Think-aloud strategies can demonstrate the thought process involved.

Practice with Real Texts

Provide students with nonfiction articles, essays, and reports to practice identifying causes and effects. Use a variety of topics to keep engagement high.

Use Interactive Activities

Engage students through activities such as:

- **Cause-and-Effect Journals:** Have students write about causes and effects related to current events or personal experiences.
- **Matching Exercises:** Match causes with their corresponding effects.
- **Group Discussions:** Analyze texts collaboratively to identify cause-and-effect relationships.

Incorporate Graphic Organizers

Encourage students to use cause-and-effect charts or diagrams to visualize relationships and reinforce understanding.

Develop Critical Thinking Questions

Create questions that prompt students to analyze deeper causes and effects, such as:

- What might have happened if this cause was different?
- How does this effect influence other events?

Activities and Resources to Reinforce Cause and Effect Skills

Activities

- **Cause and Effect Scavenger Hunt:** Students find cause-and-effect pairs within nonfiction texts or articles.
- **Story Mapping:** Map out cause-and-effect chains in a reading passage.
- **Debate and Discussion:** Analyze causes of social issues or historical events and discuss their effects.
- **Writing Assignments:** Write essays or reports emphasizing cause-and-effect relationships.

Resources

- **Workbooks and Worksheets:** Focused on cause and effect identification.
- **Online Interactive Tools:** Quizzes and games that reinforce the skill.
- **Nonfiction Text Collections:** Selected articles and excerpts for practice.

Tips for Parents and Educators

Encourage Questioning

Prompt students to ask "why" and "what if" questions while reading nonfiction texts.

Model Cause-and-Effect Thinking

Share your thought process when reading news articles, historical accounts, or scientific reports.

Provide Diverse Texts

Expose students to a variety of nonfiction genres?biographies, essays, articles, and reports?to see cause-and-effect relationships across different contexts.

Create a Cause-and-Effect Journal

Have students record causes and effects they observe in daily life, news stories, or books.

Conclusion

Mastering cause-and-effect relationships in middle school nonfiction texts is a critical step toward becoming a proficient reader and thinker. By understanding how to identify, analyze, and interpret these relationships, students enhance their comprehension, develop critical reasoning skills, and better understand the world around them. Educators and parents can support this skill through explicit instruction, engaging activities, and encouraging curiosity about how events are connected. As students become adept at recognizing cause and effect, they will be better equipped to navigate complex texts, excel academically, and apply these skills in real-world situations.

Middle School Nonfiction Text Cause and Effect: A Guide to Understanding and Teaching

Introduction

Middle school nonfiction text cause and effect is a fundamental concept in both reading comprehension and writing. As students transition from basic literacy skills to more sophisticated analytical thinking, understanding how to identify causes and effects within nonfiction texts becomes essential. Whether analyzing historical events, scientific processes, or social issues, middle school learners need clear strategies to grasp the relationships that drive real-world phenomena. This article explores the importance of cause and effect in nonfiction texts, offers practical teaching approaches, and provides tips for fostering deeper comprehension among middle school students.

The Significance of Cause and Effect in Middle School Nonfiction

Why Cause and Effect Matters

Cause and effect are at the heart of understanding how the world works. In nonfiction texts, authors often explain complex ideas by illustrating relationships between events, actions, or conditions. Recognizing these relationships helps students:

- Develop critical thinking skills by analyzing why things happen.
- Enhance comprehension by connecting ideas and understanding the flow of information.
- Improve writing skills by learning to organize ideas logically in their own essays and reports.

For middle school students, mastering cause and effect is not just about answering questions correctly; it's about gaining a deeper understanding of the material and developing skills they will need across all subject areas.

Examples in Common Texts

In history, cause and effect might explain why a war started or how a movement gained momentum. In science, cause and effect help clarify scientific phenomena, such as how pollution impacts ecosystems. Social studies texts often examine causes of societal change, while informational articles about health, technology, or environment rely heavily on cause-and-effect relationships to convey their messages.

Teaching Strategies for Cause and Effect in Nonfiction Texts

- Explicit Instruction and Modeling

Begin by explicitly teaching what cause and effect are. Use clear definitions:

- Cause: An event or action that makes something else happen.
- Effect: The result or outcome of a cause.

Model the process by analyzing a simple text together. For example, read a paragraph about the causes of the American Revolution and identify causes and effects aloud. Think aloud to demonstrate your thought process.

- Use Visual Aids and Graphic Organizers

Visual tools help concretize abstract relationships. Some effective graphic organizers include:

- Cause and Effect Charts: Listing causes on one side and corresponding effects on the other.
- Flowcharts: Showing the sequence of events leading to a specific outcome.
- Cycle Diagrams: Illustrating processes that repeat or influence each other over time.

Encourage students to fill in these organizers as they read, which reinforces their understanding and helps with retention.

- Practice with Text-Dependent Questions

Develop questions that prompt students to identify causes and effects directly from the text. Examples include:

- What caused the event described in this paragraph?
- What was the effect of the action taken by the character?
- How did the event influence subsequent actions?

Use a variety of texts and increase complexity gradually to build confidence and skill.

- Incorporate Real-World Connections

Students are more engaged when they see the relevance of cause and effect to their lives. Discuss current events, scientific discoveries, or personal experiences to illustrate these relationships. For instance, analyze how climate change causes rising sea levels or how healthy habits lead to better well-being.

Deepening Comprehension: Beyond Basic Cause and Effect

Recognizing Multiple Causes and Effects

Real-world situations often involve multiple causes contributing to a single effect or vice versa. Teach students to:

- Identify primary causes versus secondary causes.
- Understand that effects can have multiple causes.
- Recognize chains of causes and effects that stretch over time.

For example, a paragraph might explain how economic policies (cause) led to inflation, which in turn

affected employment rates (effects).

Analyzing Causal Language and Signal Words

Help students become familiar with words and phrases that signal cause-and-effect relationships, such as:

- Because
- As a result
- Therefore
- Due to
- Leads to
- Consequently

Understanding these connectors makes it easier to locate causes and effects in texts and interpret relationships accurately.

Critical Thinking and Evaluating Causes

Encourage students to evaluate the strength of causes presented in texts. Ask questions like:

- Is this cause the main reason for the effect?
- Are there other contributing factors?
- How credible is the cause-and-effect relationship?

This analytical approach fosters skepticism and deeper engagement with nonfiction.

Practice Activities for Middle School Students

Activity 1: Cause and Effect Chain Building

Provide students with a series of events related to a historical or scientific topic. Have them arrange events in a logical cause-and-effect sequence and explain their reasoning.

Activity 2: Text Annotation

While reading nonfiction passages, students highlight signal words and annotate causes and effects directly on the text, then discuss their annotations with peers.

Activity 3: Writing Cause and Effect Essays

Assign students to write short essays explaining causes and effects of a topic studied in class. Emphasize organizing ideas clearly and supporting claims with evidence from texts.

Common Challenges and How to Address Them

Challenge 1: Distinguishing Between Cause and Correlation

Students may confuse causes with mere correlations or coincidental events. Clarify that causes are directly linked to effects, often with evidence or logical reasoning.

Challenge 2: Overgeneralization

Students might assume one cause leads to a single effect. Teach them to identify multiple causes and effects and understand the complexity of real-world relationships.

Challenge 3: Limited Vocabulary

A restricted understanding of causal language can hinder comprehension. Expand students' vocabulary with signal words and phrases, and practice using them in context.

Assessing Cause and Effect Understanding

Effective assessment strategies include:

- Multiple-choice questions focusing on identifying causes and effects.
- Short answer responses explaining relationships in a given text.
- Graphic organizer submissions illustrating cause-and-effect chains.
- Writing prompts asking students to analyze causes and effects in a new context.

Regular formative assessments help track progress and inform instruction.

The Role of Reading and Writing Integration

Integrating cause-and-effect instruction into both reading and writing enhances mastery. When students read nonfiction texts with a focus on causes and effects, they develop analytical skills. Conversely, writing about causes and effects encourages them to organize thoughts logically and articulate their understanding clearly.

Incorporate activities where students:

- Summarize texts by highlighting causes and effects.
- Write summaries or reports emphasizing causal relationships.
- Peer review to critique the clarity and accuracy of cause-and-effect explanations.

Final Thoughts: Building Critical Thinkers Through Cause and Effect

Mastering cause and effect in nonfiction texts empowers middle school students to become critical thinkers, effective communicators, and informed citizens. By teaching them to recognize, analyze, and articulate causal relationships, educators equip learners with essential skills for academic success and real-world decision-making.

As students advance, their ability to navigate complex cause-and-effect relationships will deepen, opening doors to more sophisticated texts and ideas. The goal is to foster a mindset that questions, explores, and understands the world through the lens of cause and effect—an invaluable skill set for lifelong learning.

In conclusion, the study of cause and effect within middle school nonfiction texts is a vital component of literacy education. Through explicit instruction, visual aids, practice activities, and critical analysis, teachers can cultivate confident, analytical readers who appreciate the interconnectedness of events and ideas that shape our world.

Question What is the main purpose of reading nonfiction texts about cause and effect in middle school? The main purpose is to help students understand how different events or actions are connected, improving their comprehension and critical thinking skills. **Answer** How can students identify cause and effect relationships in nonfiction texts? Students can identify cause and effect relationships by looking for keywords like 'because,' 'since,' 'as a result,' and analyzing how one event leads to another within the text. What are some effective strategies for teaching cause and effect in middle school nonfiction reading? Strategies include using graphic organizers to map relationships, highlighting cause and effect keywords, and practicing with real-world examples to enhance understanding. Why is understanding cause and effect important for analyzing nonfiction texts? Understanding cause and effect allows students to grasp the reasons behind events and concepts, leading to deeper comprehension and better analysis of informational content. Can you give an example of a cause and effect relationship from a typical middle school nonfiction text? Sure! For example, in a text about pollution, the cause might be 'factory emissions increase,' and the effect could be 'air quality worsens,' illustrating how one event impacts another.

Related keywords: middle school nonfiction, cause and effect, reading comprehension, informational text, text structure, signal words, cause and effect relationships, nonfiction reading

skills, literacy strategies, educational resources

K12READER CAUSE AND EFFECT

k12reader cause and effect

Understanding cause and effect is a fundamental aspect of reading comprehension, especially for young learners in the K-12 system. The ability to identify causes and effects within a text enables students to grasp the logical relationships between events, ideas, and actions. K12Reader, a trusted resource for educators and parents, offers a wealth of exercises and lessons designed to improve students' understanding of cause-and-effect relationships. In this article, we will explore what cause and effect mean, why they are important in reading, and how educators can effectively teach these concepts using K12Reader resources.

What is Cause and Effect?

Definition of Cause and Effect

Cause and effect refer to the relationship between events where one (the cause) brings about or influences another (the effect). Recognizing this relationship helps students understand how actions lead to consequences, and how different events are interconnected.

Examples of Cause and Effect

- Cause: It rained heavily last night.

Effect: The streets are flooded this morning.

- Cause: Sarah studied diligently for her exam.

Effect: She scored high marks.

- Cause: The plant was not watered regularly.

Effect: It withered and died.

The Importance of Cause and Effect in Reading Comprehension

Enhances Critical Thinking Skills

Understanding cause and effect encourages students to think critically about what they read. It pushes them to analyze why events happen and what consequences follow, fostering deeper comprehension.

Builds Logical Reasoning

Recognizing cause-and-effect relationships helps students develop reasoning skills. They learn to connect ideas logically, which improves their overall ability to interpret texts.

Supports Writing and Speaking Skills

Knowledge of cause and effect is vital in constructing coherent arguments and narratives. Students can articulate reasons behind actions and predict possible outcomes, enriching their communication abilities.

Teaching Cause and Effect Using K12Reader Resources

Effective Strategies for Educators

K12Reader provides numerous strategies and materials to teach cause and effect effectively:

- **Explicit Teaching:** Introduce the concept clearly, providing definitions and examples.
- **Use of Anchor Charts:** Visual aids that depict cause-and-effect relationships can reinforce understanding.
- **Guided Practice:** Use worksheets and exercises from K12Reader that focus on identifying causes and effects in sentences and passages.
- **Interactive Activities:** Engage students in sorting causes and effects, matching exercises, and story analysis.
- **Real-Life Connections:** Encourage students to relate cause-and-effect relationships to their own experiences.

Utilizing K12Reader Worksheets and Activities

K12Reader offers a variety of printable worksheets and online exercises designed specifically to develop cause-and-effect skills:

- **Cause and Effect Identification Worksheets:** These worksheets present sentences or short passages where students underline or highlight causes and effects.
- **Matching Cause and Effect:** Activities where students draw lines connecting causes to their corresponding effects.
- **Sentence Construction Exercises:** Tasks where students create their own cause-and-effect sentences based on prompts.
- **Story Analysis:** Read short stories and identify the cause-and-effect relationships within the narrative.

Examples of Cause and Effect Exercises from K12Reader

Sample Exercise 1: Identifying Causes and Effects in a Paragraph

Read the following paragraph and underline the causes and circle the effects.

Example:

"Because it was snowing all night, the roads were icy in the morning. As a result, many students arrived late to school. The snow caused the roads to become dangerous, leading to delays."

Answer:

- Causes: "it was snowing all night," "the snow caused the roads to become dangerous"
- Effects: "the roads were icy in the morning," "many students arrived late to school," "delays."

Sample Exercise 2: Cause and Effect Matching

Match each cause with its correct effect:

Causes:

- a) The plant was watered daily.
- b) John forgot his umbrella.
- c) The team practiced hard every day.

Effects:

- 1) The team won the championship.

2) John got wet in the rain.

3) The plant grew tall and healthy.

Answers:

a) 3

b) 2

c) 1

Tips for Parents and Educators to Reinforce Cause and Effect Learning

Integrate Cause and Effect in Daily Conversations

Encourage children to think about reasons and consequences during everyday activities. For example, discuss why they should wear a coat or what might happen if they forget to do their homework.

Use Reading Materials That Highlight Cause and Effect

Select books and stories from K12Reader that contain clear cause-and-effect relationships. Reading and discussing these texts helps solidify understanding.

Create Cause-and-Effect Charts

Visual representations like flowcharts or diagrams can help students organize their thoughts and see the connections more clearly.

Encourage Writing Cause-and-Effect Essays

Have students write short essays or paragraphs explaining causes and effects related to a topic they are studying. This practice reinforces their comprehension and expressive skills.

Assessing Cause and Effect Understanding

Formative Assessments

Use quizzes, worksheets, and class discussions to gauge students' grasp of cause-and-effect

concepts regularly.

Summative Assessments

Design tests or projects that require students to identify, analyze, or create cause-and-effect relationships based on reading passages or real-life scenarios.

Feedback and Support

Provide constructive feedback on students' work, highlighting correct identifications and guiding them to better understand nuanced relationships.

Conclusion

Mastering cause and effect is a critical component of reading comprehension and overall cognitive development. Resources like K12Reader are invaluable tools for educators and parents aiming to teach these concepts effectively. Through explicit instruction, engaging activities, and consistent practice, students can develop a keen understanding of how events are interconnected. This skill not only enhances their reading abilities but also fosters critical thinking, reasoning, and effective communication skills that will serve them well across all areas of learning and life. Emphasizing cause and effect in the classroom and at home creates a foundation for lifelong comprehension and analytical skills, empowering students to navigate a complex and interconnected world with confidence.

K12Reader Cause and Effect is an essential concept in both reading comprehension and critical thinking education. Understanding how to identify cause-and-effect relationships helps students analyze texts more deeply, recognize logical connections, and develop their reasoning skills. Whether used in language arts lessons, science explanations, or social studies, mastering the skill of cause and effect is fundamental for academic success and everyday reasoning.

What Is Cause and Effect?

Cause and effect is a relationship where one event (the cause) directly results in another event (the effect). Recognizing these relationships allows readers to understand why things happen and how different actions or events are interconnected.

Definition and Importance

- Cause: The reason something happens or the explanation for an event.
- Effect: The result or outcome of a cause.

Understanding cause and effect is crucial because it:

- Helps in comprehending texts more effectively.
- Develops critical thinking skills.
- Aids in making predictions about future events.
- Supports writing by helping students organize ideas logically.

The Role of Cause and Effect in Reading Comprehension

In reading, identifying cause and effect helps students:

- Clarify the main ideas of a text.
- Understand character motivations.
- Follow the sequence of events.
- Make inferences and draw conclusions.

For example, in a story, a character's actions (cause) often lead to specific consequences (effect). Recognizing these relationships enhances comprehension and retention.

How to Teach Cause and Effect to Students

Teaching cause and effect involves explicit instruction, practice, and the use of various strategies. Here's a comprehensive guide for educators and parents:

- Define Cause and Effect Clearly

Start by explaining the concepts with simple examples, such as:

- "If you forget to set your alarm, you might wake up late."
- "Rain causes the ground to get wet."

Use everyday situations to make the ideas relatable.

- Use Visual Aids and Graphic Organizers

Visual tools help students visualize relationships:

- Cause and Effect Charts: Show causes leading to effects.
- Flowcharts: Map out sequences of events.
- Venn Diagrams: Compare causes and effects.

- Practice with Texts and Stories

Select age-appropriate stories and passages that contain clear cause-and-effect relationships. After reading, ask students:

- What caused this event?
- What was the result?
- Can you identify the cause and effect in this part?

- Incorporate Questioning Strategies

Encourage students to think critically by asking questions like:

- Why did that happen?
- What was the result of that action?
- Could it have been different?

- Use Cause and Effect Sentence Starters

Provide sentence frames to guide students:

- "Because ____, ____ happened."
- "As a result of ____, ____ occurred."
- "This caused ____ to happen."

- Create Cause and Effect Writing Activities

Have students write their own cause-and-effect stories or explanations to reinforce understanding. For example, writing about what causes animals to hibernate or what effects pollution has on the environment.

Examples of Cause and Effect in Different Subjects

Cause and effect relationships are found across various disciplines. Here are some examples:

Language Arts

- Cause: The character did not study for the test.
- Effect: The character received a poor grade.

Science

- Cause: Plants need sunlight to perform photosynthesis.
- Effect: Without sunlight, plants cannot produce food.

Social Studies

- Cause: The invention of the printing press made books more accessible.
- Effect: Increased literacy rates and spread of knowledge.

Common Signal Words and Phrases

Identifying specific words can help students locate cause and effect relationships in texts. These include:

- Because
- Since
- As a result
- Therefore
- If...then
- Consequently
- Due to
- As a consequence
- Leads to
- Results in

Teaching students to recognize these words enhances their ability to analyze texts effectively.

Activities and Exercises to Reinforce Cause and Effect

Engaging activities help solidify understanding. Here are some effective options:

- Cause and Effect Matching

Provide students with a list of causes and effects. Have them match pairs based on logical relationships.

- Cause and Effect Chain

Students create a chain of events illustrating a cause leading to an effect, then expand it with additional causes and effects.

- Story Analysis

Use familiar stories to identify cause-and-effect relationships within the narrative. For example, analyzing "The Three Little Pigs" to understand how the materials used affected the outcome.

- Write Your Own Cause and Effect Paragraphs

Encourage students to write paragraphs explaining causes and effects related to personal experiences or hypothetical scenarios.

- Cause and Effect Skits

Students act out scenes demonstrating cause and effect, helping them internalize the relationships through role-play.

Tips for Differentiated Instruction

- For Younger Students: Use simple sentences, pictures, and concrete examples.

- For Struggling Learners: Provide sentence starters, visual aids, and practice with familiar contexts.

- For Advanced Students: Challenge them with more complex texts, multiple causes and effects,

and integrating cause-and-effect analysis into writing assignments.

Assessing Cause and Effect Understanding

Assessment methods include:

- Multiple-choice questions identifying cause or effect.
- Short answer questions explaining relationships.
- Graphic organizers filled out by students.
- Student-written paragraphs demonstrating understanding.

Regular formative assessments help monitor progress and guide instruction.

The Benefits of Mastering Cause and Effect

Students who develop strong cause and effect skills experience:

- Improved reading comprehension.
- Enhanced analytical thinking.
- Better writing organization.
- Greater ability to make predictions and draw conclusions.

These skills are foundational for success across academic disciplines and in real-world problem-solving.

Final Thoughts

K12Reader Cause and Effect is more than just a reading skill; it's a way of understanding the world. By explicitly teaching students how to recognize and analyze cause-and-effect relationships, educators empower them with tools for critical thinking, comprehension, and effective communication. Incorporating engaging activities, visual aids, and targeted questioning ensures that learners of all levels can grasp this vital concept, setting a strong foundation for lifelong learning and reasoning skills.

Question What is the purpose of teaching cause and effect in K-12 reading lessons? Teaching cause and effect helps students develop critical thinking skills, understand the relationships between events, and improve their reading comprehension by identifying why things happen and what results they produce. How can teachers effectively teach cause and effect to elementary students? Teachers can use engaging activities such as story analysis, graphic

organizers, and real-life examples to help students recognize cause-and-effect relationships and apply them to various texts. What are some common words that signal cause and effect in texts? Common signal words include 'because,' 'since,' 'as a result,' 'therefore,' 'so,' and 'due to,' which help readers identify cause-and-effect relationships. Why is understanding cause and effect important for reading comprehension? Understanding cause and effect allows students to better grasp the meaning of texts, make predictions, and analyze the motivations behind characters' actions and event outcomes. Can cause and effect activities be adapted for different grade levels? Yes, cause and effect activities can be scaled in complexity, from simple matching and sentence identification for younger students to more complex story analysis and writing exercises for older students. What are some effective resources or worksheets for teaching cause and effect in K-12? Resources include printable worksheets with cause and effect diagrams, story prompts, interactive online games, and reading comprehension passages designed to highlight cause-and-effect relationships.

Related keywords: K12 reader, cause and effect, reading comprehension, elementary reading, cause and effect activities, reading worksheets, cause and effect exercises, literacy skills, reading strategies, classroom resources

Read the full article online: [k12reader cause and effect](#)