



Elementary GLOBE

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GLOBE offers five K-4 books in the Elementary GLOBE suite



Storybooks include both images and text suitable for early readers



and beginning scientific vocabulary



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Inquiry-based Science and Literacy Skill Comparison

- Note details
- Compare and contrast
- Predict
- Sequence events
- Link cause and effect
- Distinguish fact from opinions
- Link words with precise meanings
- Make inferences
- Draw conclusions

GLOBE Storybook Narrative Correlations to Essential Features of Inquiry

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Essential Features of Classroom Inquiry (National Research Council's Inquiry and the National Science Education Standards)				
Questions	Evidence	Explanations	Connect	Communicate
Learner engages in scientifically oriented questions	Learner gives priority to evidence in responding to questions	Learner formulates explanations from evidence	Learner connects explanations to scientific knowledge	Learner communicates and justifies their explanations
The GLOBE Kids ask "Where did the hummingbirds go?" after observing the birds' disappearance in their garden.	Simon makes a chart to record their observations of the soil form the three different holes that Scoop had dug.	The GLOBE Kids look at the wall charts to observations and explain that the hummingbirds could stay there only when they had enough food and shelter.	Scientist Hannah helps the GLOBE Kids connect their observations to the snowmelt feeding the creek.	The GLOBE kids each justify why their part of the Earth system is most important, and then how each is connected in the Earth System, during the classroom play.



Classroom Implementation

- Correlate to national standards: science, math, geography
- Integrate one or all storybooks
- Create journals to use throughout the year
- Build a comparison to earlier year's (past years') work
- Read storybooks aloud or independent reading
- Encourage reading, writing & communication skills with meaningful content
- Model behavior by GLOBE kids for what students will do



Classroom Implementation

- Introduce or extend with learning activities
- Use learning activities as stand alone lessons
- Develop reading, listening, speaking and writing vocabulary
- Foster collaborative learning
- Give content and structure to science
- Enable research and observation skills
- Encourage text to self, text to text and text to world connections
- Provide inquiry-based opportunities

K-4 GLOBE Connections to 5-12 GLOBE

- pose questions
- make observations
- collect data

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- come to conclusions
- read, write, and orally communicate
- explore the natural world

THE GLOBE PROGRAM



GLOBE provides students the opportunity to learn by:

- Taking scientifically valid measurements in atmosphere, hydrology, soils, and land cover/phenology
- Reporting data through the Internet and contributing data for scientists' research
- Publishing research projects based on GLOBE data and protocols
- Using a free access Web site
- Creating maps and graphs to analyze data sets
- Expanding the pipeline of potential future scientists and researchers for industry, academia, and government
- Collaborating with scientists and other GLOBE students around the world

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Each storybook set also includes learning activities and a Teacher's Implementation Guide

Students learn Earth system science through engagement with these storybooks.



Free to download at: www.globe.gov/web/elementary-globe or purchase at: shop.globe.gov



