

ISBN - 9780618965878		Publisher - Houghton Mifflin Company	
Kentucky Experience Science Student Book			
Type - P1	Author - Badders, Carnine, Jeanpierre, Feliciani, Sumners, Valentino		
Copyright - 2009	Edition - 1st	Readability - 4.61 SSR Spache	
Course - Elementary Science		Grade(s) - 4	
Teacher Edition ISBN if applicable			9780618966110

Overall Recommendation:

Recommended as Basal

Overall Strengths, Weaknesses, Comments:

It is evident that the reader and teacher's guide together make a text. I does need to have support for kit materials, indicated but not present, and needs ESL and technology support.

CRITERIA
This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations

Strong Evidence
 Moderate Evidence
 Little or No Evidence

Text is designed to be used in an elective course outside the Program of Studies

1) Includes the 7 Big Ideas of science to the following extent:

- a) Structure and Transformation of Matter Strong Moderate Little N/A
- b) Motion and Forces Strong Moderate Little N/A
- c) The Earth and the Universe Strong Moderate Little N/A
- d) Unity and Diversity Strong Moderate Little N/A
- e) Biological Change Strong Moderate Little N/A
- f) Energy Transformation Strong Moderate Little N/A
- g) Interdependence Strong Moderate Little N/A

2) Addresses content-specific enduring understandings from the related Program of Studies standards. Strong Moderate Little N/A

3) Addresses content-specific skills and concepts from the related Program of Studies standards. Strong Moderate Little N/A

4) **Content addressed is current, relevant and non-trivial** Strong Moderate Little N/A

5) **Provides opportunities for critical thinking/reasoning** Strong Moderate Little N/A

6) **Strengths, Weaknesses, Comments:**

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

The reader itself does not cover all of the content. You must use the teacher's edition to fully cover the content.

B. Functionality & Suitability

Strong Evidence
 Moderate Evidence
 Little or No Evidence

1) **Suitability** Strong Moderate Little N/A

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) **Content quality** Strong Moderate Little N/A

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community

3) **Connections to Literacy** Strong Moderate Little
Note: may apply to either student or teacher editions

- Employs a variety of reading levels and is grade/level appropriate
- Contains pre, during, post reading activities
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- Engaging text- does the text facilitate learning?
- Does understanding the text require having performed the imbedded activities?

4) **Connections to Technology** Strong Moderate Little

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data

5) **Support for Diverse Learners** Strong Moderate Little

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
Note: may apply only to teacher edition

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The only connections to technology occur in the online readers and testmaker. There was no evidence of ESL support.

C. Supports Inquiry and Skill Development

- Strong Evidence
 Moderate Evidence
 Little or No Evidence

1) Promotes Inquiry, research and Application of Learning

Strong Moderate Little

- Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
Note: may apply to either teacher or student edition

2) Skill Development

Strong Moderate Little

- Provides opportunities to make sense of data
- Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)
- Provides opportunities to examine a range of types of evidence
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving
Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

No evidence of technology used to enhance problem solving.

D. Supports Best Practices of Teaching and Learning

- Strong Evidence
 Moderate Evidence
 Little or No Evidence

1) Engages Students

Strong Moderate Little

- Includes content geared to the needs, interests, and abilities of students
 - Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
 - Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
 - Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
 - Activities are truly congruent to the concepts addressed, not merely correlated
- Note: may apply to either teacher or student edition*

2) Uses Assessment to Inform Instruction

Strong Moderate Little

- Includes multiple means of assessment as an integral part of instruction
 - Provides evaluation measures in the teacher edition that supports differentiated learning activities
 - Embedded assessments reflect a variety of Depth of Knowledge levels
- Note: may apply to either teacher or student edition*

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Evidence for a variety of activities when materials are gathered for the labs.
Assessment is imbedded throughout.

E. Has an Organization/ Format that Supports Learning and Teaching

- Strong Evidence
 Moderate Evidence
 Little or No Evidence

1) Organizational Quality

Strong Moderate Little

- Print and/or electronic materials present minimal barriers to learners
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

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- Construction appears to be durable and able to withstand normal use

2) Essential Components (beyond student and teacher text) Strong Moderate Little

- Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Print material in the reader is very clear and easy to use, it is well organized and follows a sequence. The reader can not stand alone as a basal, the teachers edition must be used to complete the full range of experiences for learning. There was little to no evidence available for media support.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

- Strong Evidence
 Moderate Evidence
 Little or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

None available to review.