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Bid 3270

INSTRUCTIONAL MATERIALS ADMINISTRATOR

Recommendation

Yes

Comments: This text does a good job of addressing most of the benchmarks. It provides many good strategies for teaching the students in a variety of ways. It is not perfect, but it could easily be supplemented to provide the students with a strong understanding of the standards for this unit

Material for Review

Course: M/J Earth/Space Science (2001010)

Title: HMH Florida Science, Earth , Edition: First

Copyright: 2019
Author: DiSpezio, et al
Grade Level: 6 - 8

Content

Answer each item below and select the "Save" button to save your responses. You must select the "Save" button before going to another section or leaving this page to save the answers you have provided. If you are unable to complete the section, you may save your answers and come back to complete at a later time. All items must be answered for a section to be considered complete.

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To answer each item, select the appropriate rating from the following scale:

- 5 VERY GOOD ALIGNMENT
- 4 GOOD ALIGNMENT
- 3 FAIR ALIGNMENT
- 2 POOR ALIGNMENT
- 1 VERY POOR/NO ALIGNMENT

Upon completion of all Areas of Review, the Recommendation link will become available with a record of how you scored each section of the evaluation.

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- Additional information regarding the Content, Presentation, and Learning requirements are located in the Science K-12 Specifications for the 2017-18 Florida State Adoption of Instructional Materials.

Each set of materials submitted for adoption is evaluated based on each benchmark for that course and the Content, Presentation, and Learning items included in this rubric.

A. Alignment with curriculum1. A. The content aligns with the state's standards and benchmarks for subject, grade level and learning outcomes.

O VERY GOOD ALIGNMENT	• GOOD ALIGNMENT	O FAIR ALIGNMENT	O POOR ALIGNMENT	O VERY POOR/NO ALIGNMENT
Justification:				

The text includes most of the standards that are expected. It does not contain many strategies for Common Core Language Arts.

2. A. The content is written to the correct skill level of the standards and benchmarks in the course.

○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIL	ALIGNMENT OPOOR ALIGNMENT VERY PO	OOR/NO ALIGNMENT
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Justification: All content is clear and concise and written around a level 3 for students. There are many tools for level 1 and 2 students to use to adapt curriculum.
3. A. The materials are adaptable and useful for classroom instruction.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Teacher resources contain many options to use Engage and Explore with the students. Missing some good elaboration activities for
advanced/gifted students.
B. Level of Treatment 4. B. The materials provide sufficient details for students to understand the significance of topics and events.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: This resource does a good job of providing the explanations of the scientific principles and the evidence to support them.
B. The level (complexity or difficulty) of the treatment of content matches the standards.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Each unit clearly targets the Big Idea and a list of stated standards. the reading level and complexity of the ideas match the benchmark.
6. B. The level (complexity or difficulty) of the treatment of content matches the student abilities and grade level.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text is designed for level 3/4 students and adaptable to level 1&2 with included resources.
7. B. The level (complexity or difficulty) of the treatment of content matches the time period allowed for teaching.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Many activities cover materials at a slow pace. There would not be much time to practice with Level 1 & 2 students.
C. Expertise for Content Development 8. C. The primary and secondary sources cited in the materials reflect expert information for the subject.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Authors and reviewers have the credentials expected for this publication.
9. C. The primary and secondary sources contribute to the quality of the content in the materials.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: The text is well written and incorporates many of the current best practices.
D. Accuracy of Content 10. D. The content is presented accurately. (Material should be devoid of typographical or visual errors).
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Everything that was reviewed appeared to be correct.
11. D. The content of the material is presented objectively. (Material should be free of bias and contradictions and is noninflammatory in nature).
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification:
Topics were developed without bias and presented current evidence to support scientific conclusions.
12. D. The content of the material is representative of the discipline? (Material should include prevailing theories, concepts, standards, and models used with the subject area).
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Text included all accepted theories and supported them with the current research on the topic.
13. D. The content of the material is factual accurate. (Materials should be free of mistakes and inconsistencies).
○ VERY GOOD ALIGNMENT · GAIR ALIGNMENT · POOR ALIGNMENT · VERY POOR/NO ALIGNMENT
Justification: Explanations for each concept contain evidence to support them. There were no inconsistencies apparent at the time.
E. Currency of Content14. E. The content is up-to-date according to current research and standards of practice.
○ VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

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Justification: The text presents the expected concepts, laws and theories for this branch of Science.
15. E. The content is presented to the curriculum, standards, and benchmarks in an appropriate and relevant context.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text has done a good job integrating the standards into each lesson. Some units could overlap each other with concepts and require jumping around the book to maintain fluency.
16. E. The content is presented in an appropriate and relevant context for the intended learners.
○ VERY GOOD ALIGNMENT ◎ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Some unit lessons contain a large amount of information and could be broken down in smaller chunks more related to each other.
F. Authenticity of Content 17. F. The content includes connections to life in a context that is meaningful to students.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Most examples included current information so that students could relate to the concept. Space unit used the space shuttle for some digital activities and that was disappointing.
18. F. The material includes interdisciplinary connections which are intended to make the content meaningful to students.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: These connections are part of the teacher edition, but fall upon the teacher to incorporate into the lesson.
G. Multicultural Representation 19. G. The portrayal of gender, ethnicity, age, work situations, cultural, religious, physical, and various social groups are fair and unbiased. (Please explain any unfair or biased portrayals in the comments section).
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: A variety of scientists from a variety of cultural backgrounds illustrate the breadth of scientific inquiry.
H. Humanity and Compassion 20. H. The materials portray people and animals with compassion, sympathy, and consideration of their needs and values and exclude hard-core pornography and inhumane treatment. (An exception may be necessary for units covering animal welfare).
○ VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: These values could be emphasized more in units on weather/climate and natural disasters.
21. In general, is the content of the benchmarks and standards for this course covered in the material.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: There are some missing, but overall most area available to the student.
Presentation
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A. Comprehensiveness of Student and Teacher Resources 1. A. The comprehensiveness of the student resources address the targeted learning outcomes without requiring the teacher to prepare additional teaching materials for the course.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Many opportunities for elaboration must be provided by the teacher. Using this text with the accelerated/gifted students would require more work.
B. Alignment of Instructional Components 2. B. All components of the major tool align with the curriculum and each other.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: The tool and its resources are easy to navigate and move around for the teacher.
C. Organization of Instructional Materials 3. C. The materials are consistent and logical organization of the content for the subject area.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Some lessons in each unit jump around from standard to standard and make tracking difficult for the teacher and student.
D. Readability of Instructional Materials 4. D. Narrative and visuals engage students in reading or listening as well as in understanding of the content at a level appropriate to the students' abilities.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
The text itself and an excellent tool to explain the science concepts. Some lessons are too long for the digital lesson. Digital lessons need more variety - to repetitive
E. Pacing of Content 5. E. The amount of content presented at one time or the pace at which it is presented must be of a size or rate that allows students to perceive and understand it.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Content does not always flow in a logical form with the standards. This is evident in Unit 10 & 11 where concepts overlap and you must move back and forth with the students to truly cover the concepts.
Accessibility6. The material contains presentation, navigation, study tool and assistive supports that aid students, including those with
disabilities, to access and interact with the material. (For assistance refer to the answers on the UDL questionnaire).
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Audio and Digital lessons provide opportunities for students of varying abilities to interact with the information. Alternative assessments provide teachers with other options than tests.
7. In general, how well does the submission satisfy PRESENTATION requirements? (The comments should support your responses to the questions in the Presentation section).
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: I would love to see this text divided into different sections and focus more on the demonstration of the standard and not just explaining it.

Learning

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1 - VERY POOR/NO ALIGNMENT

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A. Motivational Strategies 1. A. Instructional materials include features to maintain learner motivation.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text needs more tasks that stimulate intellectual curiosity in students. Text needs more hands on tasks, humor, and a greater variety of presentation in the digital lessons. Very predictable and repetitive.
B. Teaching a Few "Big Ideas" 2. B. Instructional materials thoroughly teach a few important ideas, concepts, or themes.
O VERY GOOD ALIGNMENT O GOOD ALIGNMENT FAIR ALIGNMENT O POOR ALIGNMENT VERY POOR/NO ALIGNMENT
Justification: This text focuses more on the standards and less on the big idea. It delves deeply into the terminology and minutia of the concept leaving little time for inquiry projects.
C. Explicit Instruction3. C. The materials contain clear statements of information and outcomes.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Each unit develops the Big Idea by using the standards tied to that idea within the unit. Reading content has clear and concise directions about what should be identified during the reading.
D. Guidance and Support4. D. The materials provide guidance and support to help students safely and successfully become more
independent learners and thinkers.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
There is almost too much scaffolding within the text. Students need the opportunity to use the digital information to explore and explain the concepts. The text explains too much of the concept and doesn't allow the student to grow and develop.
5. D. Guidance and support must be adaptable to developmental differences and various learning styles.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text needs to have more life-centered problems that provide opportunities for students to test their understanding and application activities.
E. Active Participation of Students6. E. The materials engage the physical and mental activity of students during the learning process.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text contains many graphic organizers and charts that area available in each unit to allow students to read and apply the content. Very well designed formative assessments to provide creative ways to demonstrate understanding.
7. E. Rate how well the materials include organized activities that are logical extensions of content, goals, and objectives.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Virtual and Quick Labs allow students to test their ability to apply new content to situations outside of the text.
F. Targeted Instructional Strategies 8. F. Instructional materials include the strategies known to be successful for teaching the learning outcomes targeted in the curriculum requirements.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text contains opportunities to address attitudes. Many good strategies for reading effectively. Many good activities/tools for diagramming comprehension. Needs more creativity opportunities and critical thinking situations.
9. F. The instructional strategies incorporated in the materials are effective in teaching the targeted outcomes.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT

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Justification: Text and digital edition give students an opportunity to use a variety of strategies to work with the material and apply it.
G. Targeted Assessment Strategies 10. G. The materials correlate assessment strategies to the desired learning outcomes.
Digital edition provides a variety of assessments for each unit.
11. G. the assessment strategies incorporated in the materials are effective in assessing the learners' performance with regard to the targeted outcomes.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: This text includes a variety of ways for the teacher and student to assess leaning throughout the unit.
Universal Design for Learning12. This submission incorporates strategies, materials, activities, etc., that consider the needs of all students.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
This text is easily adaptable to hearing impaired and visually impaired students. There are several translations available.
Mathematical Practice13. Do you observe the appropriate application of Mathematical Practices (MP) as applicable?
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Provides students with opportunities to apply mathematical formulas in quick and virtual labs.
14. In general, does the submission satisfy LEARNING requirements? (The comments should support your responses to the questions in the Learning section.)
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: This text clearly needs to focus more on inquiry and lesson explanations. It has many good strategies to use with an average student to keep them engaged and motivated.
Standards
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○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT

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Justification: All examples are from areas other than Florida. A Florida text should have some Florida examples for students who are not able to move around the state to relate to.
2. SC.6.E.6.2: Recognize that there are a variety of different landforms on Earth's surface such as coastlines, dunes, rivers, mountains,
glaciers, deltas, and lakes and relate these landforms as they apply to Florida.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
This text focuses on rivers forming in mountains. This confuses Florida students who should understand that our rivers form from springs and flow much slower than rivers in other areas.
3. SC.6.E.7.1: Differentiate among radiation, conduction, and convection, the three mechanisms by which heat is transferred through Earth's
system.
○ VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification:
Adequately states the 3 methods of heat transfer. Describes the factors scientists use to explain how heat moves and why it moves.
4. SC.6.E.7.2: Investigate and apply how the cycling of water between the atmosphere and hydrosphere has an effect on weather patterns and climate.
Remarks/Examples:
Florida Standards Connections: MAFS.K12.MP.7: Look for and make use of structure.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Chapters in textbook distribute the content over too many pages. Virtual lab allows students to apply the information and collect and interpret data about the cycling of the energy.
5. SC.6.E.7.3: Describe how global patterns such as the jet stream and ocean currents influence local weather in measurable terms such as
temperature, air pressure, wind direction and speed, and humidity and precipitation.
Demonics/Everynless
Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically MAFS.K12.MP.6: Attend to precision and,
MAFS.K12.MP.7: Look for and make use of structure.
O VERY GOOD ALIGNMENT O GOOD ALIGNMENT FAIR ALIGNMENT O POOR ALIGNMENT O VERY POOR/NO ALIGNMENT
Justification: Lacks good activities for students to apply the information mathematically by reading charts and/or graphs of weather data. Needs a section on how weather maps help to interpret this data for the public.
6. SC.6.E.7.4: Differentiate and show interactions among the geosphere, hydrosphere, cryosphere, atmosphere, and biosphere.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Content is presented clearly, but there is very little opportunity for students to apply the material to other situations. Would require the teacher to enrich with outside examples.
7. SC.6.E.7.5: Explain how energy provided by the sun influences global patterns of atmospheric movement and the temperature differences
between air, water, and land.
Remarks/Examples:
Florida Standards Connections: MAFS.K12.MP.7: Look for and make use of structure.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Quicklabs with this lesson require students to measure and collect data and interpret trends in the data.
8. SC.6.E.7.6: Differentiate between weather and climate.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text allows opportunities for students to apply data to local conditions. Content can be presented in several ways and there are a variety of assessments.
9. SC.6.E.7.7: Investigate how natural disasters have affected human life in Florida.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text clearly defines how natural disasters reshape Florida and it's resources.
10. SC.6.E.7.8: Describe ways human beings protect themselves from hazardous weather and sun exposure.

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● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Content addresses all parts of the standard - lab activities elaborate on learning goals.
11. SC.6.E.7.9: Describe how the composition and structure of the atmosphere protects life and insulates the planet.
Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.7: Look for and make use of structure.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text provides clear information that allows students to explore with virtual labs.
12. SC.6.N.1.1: Define a problem from the sixth grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
Remarks/Examples: Florida Standards Connections: LAFS.68.RST.1.3. Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
There are several opportunities in the units on Earth systems for students to use the data and graphics in the text to carry out a multistep investigation.
13. SC.6.N.1.2: Explain why scientific investigations should be replicable.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Stand alone lesson that is not repeated in the text of other units.
14. SC.6.N.1.3: Explain the difference between an experiment and other types of scientific investigation, and explain the relative benefits and limitations of each.
Remarks/Examples: Explain that an investigation is observing or studying the natural world, without interference or manipulation, and an experiment is an investigation that involves variables (independent/manipulated and dependent/ outcome) and establishes cause-and-effect relationships (Schwartz, 2007).
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Think Science sections provide opportunities to use scientific methods for a variety of purposes.
15. SC.6.N.1.4: Discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Throughout the text there are opportunities to collect and compare data.
16. SC.6.N.1.5: Recognize that science involves creativity, not just in designing experiments, but also in creating explanations that fit evidence.
Remarks/Examples: Florida Standards Connections: LAFS.68.RST.3.7 LAFS.68.WHST.1.2 and, LAFS.68.WHST.3.9.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text uses the development of Earth Science Theories to show how these qualities were used to develop explanations.
17. SC.6.N.2.1: Distinguish science from other activities involving thought.
Remarks/Examples:
Thought refers to any mental or intellectual activity involving an individual's subjective consciousness. Science is a systematic process that pursues, builds and organizes knowledge in the form of testable explanations and predictions about the natural world.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ◎ VERY POOR/NO ALIGNMENT Justification: Not evident in resources

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18. SC.6.N.2.2: Explain that scientific knowledge is durable because it is open to change as new evidence or interpretations are encountered.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Stand alone lesson defines concept and gives good examples. Needs to be emphasized in future lessons.
19. SC.6.N.2.3: Recognize that scientists who make contributions to scientific knowledge come from all kinds of backgrounds and possess varied talents, interests, and goals.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification:
Each section introduces a new scientist with a variety of backgrounds and contributions.
20. SC.6.N.3.1: Recognize and explain that a scientific theory is a well-supported and widely accepted explanation of nature and is not simply a claim posed by an individual. Thus, the use of the term theory in science is very different than how it is used in everyday life.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Provides appetunities for students to evaluate alaims by page scientists and evaluate them using acception methods.
Provides opportunities for students to evaluate claims by non scientists and examine them using scientific methods.
21. SC.6.N.3.2 : Recognize and explain that a scientific law is a description of a specific relationship under given conditions in the natural world. Thus, scientific laws are different from societal laws.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Stand alone lesson on the qualities of a law explains concept. Needs to be emphasized in future lessons that deal with Laws. Missed opportunity.
22. SC.6.N.3.3: Give several examples of scientific laws.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Stand alone lesson provides examples. Missed opportunity to examine Earth science laws and establish the qualities of a law as a lesson.
23. SC.6.N.3.4: Identify the role of models in the context of the sixth grade science benchmarks.
Remarks/Examples:
Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Limited opportunities for students to work with data to develop their understanding of the Earth.
24. SC.7.E.6.1: Describe the layers of the solid Earth, including the lithosphere, the hot convecting mantle, and the dense metallic liquid and solid cores.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification:
Text provides opportunities for students to explore and explain using data. Also provides opportunities to calculate and compare results.
25. SC.7.E.6.2: Identify the patterns within the rock cycle and relate them to surface events (weathering and erosion) and sub-surface events (plate tectonics and mountain building).
Remarks/Examples:
Florida Standards Connections: MAFS.K12.MP.7: Look for and make use of structure.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Requires more opportunities for students to use math to as they attempt to explain the processes of earth. Spends too much time on Minerals.
26. SC.7.E.6.3 : Identify current methods for measuring the age of Earth and its parts, including the law of superposition and radioactive dating.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text and Digital resources provide many opportunities for students to explore and explain types of dating.
27. SC.7.E.6.4: Explain and give examples of how physical evidence supports scientific theories that Earth has evolved over geologic time due to natural processes.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text and Virtual lab provide many good opportunities for students to develop their understanding of how earth has changed.

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28. SC.7.E.6.5: Explore the scientific theory of plate tectonics by describing how the movement of Earth's crustal plates causes both slow and rapid changes in Earth's surface, including volcanic eruptions, earthquakes, and mountain building.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text provides good examples for students to study who have never been out of Florida. Needs to compare the evidence found in Florida to truly help students understand these processes occur everywhere.
29. SC.7.E.6.6: Identify the impact that humans have had on Earth, such as deforestation, urbanization, desertification, erosion, air and water quality, changing the flow of water.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Each part of this standard has excellent examples that students are able to use to describe the concept and apply to areas around Florida.
30. SC.7.E.6.7: Recognize that heat flow and movement of material within Earth causes earthquakes and volcanic eruptions, and creates mountains and ocean basins.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text provides digital and quick labs that help students work with this concept and build understanding.
31. SC.7.N.1.1: Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
Remarks/Examples:
Florida Standards Connections: LAFS.68.RST.1.3. Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: There is on very good activity that emphasizes the steps using an example about the Earth. Could use many more opportunities like this.
32. SC.7.N.1.2: Differentiate replication (by others) from repetition (multiple trials).
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Stand alone lesson that is not reinforced in other labs or activities.
33. SC.7.N.1.3: Distinguish between an experiment (which must involve the identification and control of variables) and other forms of scientific investigation and explain that not all scientific knowledge is derived from experimentation.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Several activities are provided that allow students to explore ways that scientific information is used.
34. SC.7.N.1.4: Identify test variables (independent variables) and outcome variables (dependent variables) in an experiment.
54. 55.7.11.1.4. Identify test variables (independent variables) and odteome variables (dependent variables) in all experiment.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Stand alone lesson identifies the concept and allows explanations. Needs to be reinforced in other lessons.
35. SC.7.N.1.5 : Describe the methods used in the pursuit of a scientific explanation as seen in different fields of science such as biology, geology, and physics.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
This benchmark is difficult to identify in the text. There are opportunities to point out various fields, but no clear comparisons. This could be added to the scientist profiles.
36. SC.7.N.1.6: Explain that empirical evidence is the cumulative body of observations of a natural phenomenon on which scientific explanations are based.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Stand alone lesson does a good job of explaining concept. Needs to be emphasized in other lessons.
37. SC.7.N.1.7: Explain that scientific knowledge is the result of a great deal of debate and confirmation within the science community.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Content explains the qualities of good science. Does not apply these qualities in other parts of the text.
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38. SC.7.N.2.1: Identify an instance from the history of science in which scientific knowledge has changed when new evidence or new interpretations are encountered.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Many opportunities for students to observe how and why ideas change over time.
39. SC.7.N.3.1: Recognize and explain the difference between theories and laws and give several examples of scientific theories and the evidence that supports them.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text explains the concept in a stand alone lesson. Missed opportunity to use other lessons about theories and laws to elaborate.
40. SC.7.N.3.2: Identify the benefits and limitations of the use of scientific models.
Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Stand alone lesson and STEM activity do not make use of enough math/analysis skills.
41. SC.8.E.5.1: Recognize that there are enormous distances between objects in space and apply our knowledge of light and space travel to understand this distance.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text spends only 2 pages explaining concept. Very little opportunity to apply understanding to other situations of space distance/travel.
42. SC.8.E.5.2: Recognize that the universe contains many billions of galaxies and that each galaxy contains many billions of stars.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text spends 2 paragraphs explaining concept with no opportunities to explore shapes, types etc
43. SC.8.E.5.3: Distinguish the hierarchical relationships between planets and other astronomical bodies relative to solar system, galaxy, and
universe, including distance, size, and composition.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text contains explanations of ech concept in benchmark. There are no charts or tables to help students understand smallest to largest. Lacks opportunities to explore and explain or elaborate on how to model these distances.
44. SC.8.E.5.4: Explore the Law of Universal Gravitation by explaining the role that gravity plays in the formation of planets, stars, and solar systems and in determining their motions.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification:
Content of text has excellent diagrams and explanations to help students. Quick lab provides opportunity to explore and explain.
45. SC.8.E.5.5: Describe and classify specific physical properties of stars: apparent magnitude (brightness), temperature (color), size, and luminosity (absolute brightness).
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: This lesson completely covers benchmark. It contains concrete examples for students to use to conceptualize the new ideas. Many
opportunities to use data to draw their own conclusions.
46. SC.8.E.5.6: Create models of solar properties including: rotation, structure of the Sun, convection, sunspots, solar flares, and prominences.
Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics and MAFS.K12.MP.7: Look for and make use of structure.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Text uses guided reading to help students identify parts of the Sun. Quicklab allows student opportunity to mathematically model parts.
47. SC.8.E.5.7: Compare and contrast the properties of objects in the Solar System including the Sun, planets, and moons to those of Earth, such as gravitational force, distance from the Sun, speed, movement, temperature, and atmospheric conditions.
○ VERY GOOD ALIGNMENT ◎ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT

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Justification: Provides statistics on planets that students can compare in a variety of ways to analyze data.
48. SC.8.E.5.8: Compare various historical models of the Solar System, including geocentric and heliocentric.
Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text explains concept, but does not include opportunities for mathematical modeling.
49. SC.8.E.5.9: Explain the impact of objects in space on each other including:
 the Sun on the Earth including seasons and gravitational attraction the Moon on the Earth, including phases, tides, and eclipses, and the relative position of each body.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text contains example of each concept in the benchmark and opportunities for students to collect and/or analyze data as they explore and
explain. 50. SC.8.E.5.10: Assess how technology is essential to science for such purposes as access to outer space and other remote locations, sample collection, measurement, data collection and storage, computation, and communication of information.
Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically; and, MAFS.K12.MP.6: Attend to precision.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text contains reading materials and many examples of technology used to study space and the Earth from space.
51. SC.8.E.5.11: Identify and compare characteristics of the electromagnetic spectrum such as wavelength, frequency, use, and hazards and recognize its application to an understanding of planetary images and satellite photographs.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Content explains the benchmark well. Text contains a variety of types of data that scientists collect about space with a variety of tools.
52. SC.8.E.5.12: Summarize the effects of space exploration on the economy and culture of Florida.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Text contains evidence of why NASA is located in Florida. Text contains a variety of evidence to illustrate how NASA contributes to Florida and technologies used around the world.
53. SC.8.N.1.1: Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Poor focus on the USE of the data for scientific purposes. More a review of the math skills.
54. SC.8.N.1.2: Design and conduct a study using repeated trials and replication.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: STEM activity does very little to emphasize the importance of repeated trials and replication.
55. SC.8.N.1.3: Use phrases such as "results support" or "fail to support" in science, understanding that science does not offer conclusive 'proof' of a knowledge claim.
○ VERY GOOD ALIGNMENT ◎ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Well designed activity to help students understand the process used by scientists to come to a scientific conclusion.
56. SC.8.N.1.4: Explain how hypotheses are valuable if they lead to further investigations, even if they turn out not to be supported by the data.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Text contains several examples of how and why scientific concepts have had to change over time.
57. SC.8.N.1.5: Analyze the methods used to develop a scientific explanation as seen in different fields of science.

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○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Text allows students to explore how scientists in different fields con use data. There could be more examples like this and opportunities for students to understand the need for scientist to publish data.
58. SC.8.N.1.6: Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.
Remarks/Examples:
Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ● VERY POOR/NO ALIGNMENT Justification: Lacks opportunities for students to interact with data.
59. SC.8.N.2.1: Distinguish between scientific and pseudoscientific ideas.
Remarks/Examples: Science is testable, pseudo-science is not science seeks falsifications, pseudo-science seeks confirmations (e.g. astrology is pseudoscience).
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ● VERY POOR/NO ALIGNMENT Justification: Not evident in any resources.
60. SC.8.N.2.2: Discuss what characterizes science and its methods.
Remarks/Examples:
Science is the systematic, organized inquiry that is derived from observations and experimentation that can be verified through testing to
explain natural phenomena.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Activity applies skills that scientist use to analyze and come to conclusions. Students would have to identify the characteristics themselves as they carry out the activity.
do they early early early early.
61. SC.8.N.3.1: Select models useful in relating the results of their own investigations.
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61. SC.8.N.3.1: Select models useful in relating the results of their own investigations. Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics. VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: The lesson identifying this benchmark does not require math to interpret or create models. There are no opportunities for independent investigations to compare models. 62. SC.8.N.3.2: Explain why theories may be modified but are rarely discarded. VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: Well designed activities to allow students to experience how theories are developed and why there can be more than one. Needs
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Remarks/Examples: Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics. VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: The lesson identifying this benchmark does not require math to interpret or create models. There are no opportunities for independent investigations to compare models. 2. SC.8.N.3.2: Explain why theories may be modified but are rarely discarded. VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: Well designed activities to allow students to experience how theories are developed and why there can be more than one. Needs elaboration opportunities with other theories. 3. SC.8.N.4.1: Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels. VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: This resource contains a variety of ways showing how scientific information is used. 4. SC.8.N.4.2: Explain how political, social, and economic concerns can affect science, and vice versa. VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: The unit identified with this benchmark is weak on the political and social concerns. Only addresses the economic concerns in detail.

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discussion. d. Review the key ideas expressed and demonstrate understanding of multiple perspectives through reflection and paraphrasing.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Opportunities exist for teachers to use these strategies with each lesson.
66. LAFS.6.SL.1.2: Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. This type of activity should be designed into the text.
67. LAFS.6.SL.1.3: Delineate a speaker's argument and specific claims, distinguishing claims that are supported by reasons and evidence from claims that are not.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ● FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. This technique is used in the same unit as separating scientific claims from false claims.
68. LAFS.6.SL.2.4: Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. No activities incorporate theses skills. Teacher would need to supplement.
69. LAFS.6.SL.2.5 : Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. These techniques are encouraged in independent research projects throughout the text.
70. LAFS.68.RST.1.1: Cite specific textual evidence to support analysis of science and technical texts.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Many sections rely on the Evidence/Claim/Reason analysis.
71. LAFS.68.RST.1.2: Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. All reading sections utilize these skills to identify main ideas and evidence.
72. LAFS.68.RST.1.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. All digital labs require these steps to complete the activity.
73. LAFS.68.RST.2.4: Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard not identified. This text uses many strategies to help students identify terms, symbols and phrases that are key to each unit.
74. LAFS.68.RST.2.5: Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.
VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ● VERY POOR/NO ALIGNMENT Justification: Standard not identified. No evidence of this standard.
75. LAFS.68.RST.2.6: Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a
text. ○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ● VERY POOR/NO ALIGNMENT Justification: Standard not identified. No evidence of this standard.

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76. LAFS.68.RST.3.7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. This type of information exists, but it is not clearly presented so that this benchmark can be met. Teacher would
need to supplement.
77. LAFS.68.RST.3.8: Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Lacks the opportunity to read accounts associated with each unit. Teacher would need to supplement.
78. LAFS.68.RST.3.9: Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that
gained from reading a text on the same topic.
○ VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification:
Standard not identified. Digital Lessons and Virtual Labs are available to help students read and then explore concepts.
79. LAFS.68.WHST.1.1: Write arguments focused on discipline-specific content. a. Introduce claim(s) about a topic or issue, acknowledge and distinguish the claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.
b. Support claim(s) with logical reasoning and relevant, accurate data and evidence that demonstrate an understanding of the topic or text, using credible sources.
c. Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence. d. Establish and maintain a formal style.
e. Provide a concluding statement or section that follows from and supports the argument presented.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Most opportunities to carry out investigations are too short to go into this type of analysis and detail. Teacher would
need to supplement.
80. LAFS.68.WHST.1.2: Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.
 a. Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories as appropriate to achieving purpose; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension. b. Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples. c. Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts. d. Use precise language and domain-specific vocabulary to inform about or explain the topic.
e. Establish and maintain a formal style and objective tone.
f. Provide a concluding statement or section that follows from and supports the information or explanation presented. VERY GOOD ALIGNMENT OF ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT
Justification: Standard not identified. Teacher would need to supplement.
81. LAFS.68.WHST.2.4: Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Standard not identified. No activities require this level of analysis. Teacher would need to supplement.
82. LAFS.68.WHST.2.5: With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ● VERY POOR/NO ALIGNMENT Justification: Standard not identified. Teacher would need to supplement.
83. LAFS.68.WHST.2.6: Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ● VERY POOR/NO ALIGNMENT Justification: Standard not identified. Teacher would need to supplement.
84. LAFS.68.WHST.3.7: Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.

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○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ® VERY POOR/NO ALIGNMENT Justification: Standard not identified.
85. LAFS.68.WHST.3.8: Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT © VERY POOR/NO ALIGNMENT Justification: Standard not identified. Teacher would need to supplement.
86. LAFS.68.WHST.3.9: Draw evidence from informational texts to support analysis reflection, and research.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Teacher would need to supplement.
87. LAFS.68.WHST.4.10: Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Standard not identified. Teacher would need to establish this in student portfolios. Not part of the evaluated text.
88. MAFS.6.EE.3.9: Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation d = 65t to represent the relationship between distance and time.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ◎ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard pet identified. There are some instances of this standard, but none the truly reinfarce how and why this is done.
Standard not identified. There are some instances of this standard, but none the truly reinforce how and why this is done.
89. MAFS.6.SP.2.4: Display numerical data in plots on a number line, including dot plots, histograms, and box plots.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Would require supplemental activities.
90. MAFS.6.SP.2.5: Summarize numerical data sets in relation to their context, such as by: a. Reporting the number of observations.
 b. Describing the nature of the attribute under investigation, including how it was measured and its units of measurement. c. Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were
gathered. d. Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
Standard not identified. Text contains many opportunities to use data and solve for certain outcomes mathematically.
91. ELD.K12.ELL.SC.1 : English language learners communicate information, ideas and concepts necessary for academic success in the content area of Science.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified. Text contains strategies for success with ELL students.
92. ELD.K12.ELL.SI.1: English language learners communicate for social and instructional purposes within the school setting.
○ VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ● POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard not identified.
93. HE.6.C.1.3: Identify environmental factors that affect personal health.
Remarks/Examples: Air and water quality, availability of sidewalks, contaminated food, and road hazards.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT

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Justification:
Standard not identified. Text does have sections that address these issues through science.