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Bid 3469

INSTRUCTIONAL MATERIALS ADMINISTRATOR

Recommendation

Yes

Comments: While the resource is good, I wouldn't put it in the great category. The resource is not text rich. It does very well with the visual and the written explanations are good, they are not great.

This resource would be great as an ancillary for another textbook or some such.

The reason I say that is because teachers need to have a decent background to get through the material. The Prep part of each unit could use some more depth.

The Professional Dev. is really great. I believe that it will allow teachers to overcome any shortcomings in the resource. It will just take initiative from the teacher.

Material for Review

Course: Physical Science (2003310)

Title: Discovery Education Science Techbook (Florida) - Physical Science, Edition: 1

Copyright: 2017

Author: Amy Gensemer, David Marsland, Nikki Snyder

Grade Level: 9 - 12

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

● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:

All assignments had standards available.

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2. A. The content is written to the correct skill level of the standards and benchmarks in the course.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: The written material seemed to be just a bit under the reading level I expected.
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: Many assignments allow for the teacher to adjust to their student's needs.
B. Level of Treatment4. 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:
Students have multiple iterations of the same material to allow them to get the material.
5. 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: The resource seemed to be just a bit below the lexile I was expecting.
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: It does cover all of the necessary content for the standards.
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:
Approximate times were not shown, so the teacher has to set the time line for the class. It does appear that the material could get within the time left for instruction.
C. Expertise for Content Development8. 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: All materials have expert information on the subject.
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 resources have different views of the same instructional materials. They have
D. Accuracy of Content10. 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: Complete coverage of the standards with differentiated levels of content.
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:
Many different faces, many different races.
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: The theories were as modern as available.
13. D. The content of the material is factual accurate. (Materials should be free of mistakes and inconsistencies).
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: All theories were based on scientific methods and crosschecked.
E. Currency of Content14. E. The content is up-to-date according to current research and standards of practice.

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● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Resources have recent videos and visuals that are modern.
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: Each unit has the standards on the main page to keep them easily accessed.
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: The lexile level is just below the average, making the content an easy read.
F. Authenticity of Content17. 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: Places that use the information to earn money are presented, also they visuals show people using the information to gain goal achievement.
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: Math and LA standards are accessible for every unit.
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: No problems detected.
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: No unjust or harmful visuals are presented.
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: Very good alignment between content and standards.
Presentation

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items included in this rubric.
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.
calling catedines without requiring the totalist to proper additional totaling materials for the course.
○ VERY GOOD ALIGNMENT ● GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:
There were some prepared resources for presentations, but there were no powerpoint slides to enhance note-taking.
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 curriculum was built on the standards.
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: Each unit is based on a template that is easily reused for other units.
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 written word seems to be slightly below lexile level for 8th grade.
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: Units are broken down into digestible chucks.
Accessibility 6. 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: UDL is full realized with a few taps of the keys on your laptop. Easily changed for each student.
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 prefer to use notes and lecture to drive home issues to my students, but this resource does have plentiful visuals.

Learning

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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: The learner has to want to learn in order to click the extra features that are within the unit.
B. Teaching a Few "Big Ideas"2. B. Instructional materials thoroughly teach a few important ideas, concepts, or themes.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Well done in chunking the curriculum and tying the pieces together with visuals.
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's landing page contains objectives and standards.
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: When the student wants more info there is a bountiful resource available for them.
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: Teachers can assign parts of each unit to individual students or to all at once.
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: This is just because the middle school mind is not really ready to focus. The material is good, but could use some games or rewards to help motivate.
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: The bonds on activities are good. They could have demonstrations that help to reach the middle cabacteristics to the could be considered.
The hands on activities are good. They could have demonstrations that help to reach the middle school student.
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: The materials are well established and are used to teach following UDL.
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 Justification: The material and standards are used to make effective outcomes common.
G. Targeted Assessment Strategies 10. G. The materials correlate assessment strategies to the desired learning outcomes.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: The standards align to create effective teaching.

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outcomes.	
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:	
The resource has both practice tests and regular assessments. The teacher can input their own as well.	
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: UDL is well incorporated in the resource.	
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: Standards are available.	
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: Yes the learning requirements are met. The resource has high levels and remedial levels for students.	

Standards

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When looking at standards alignment reviewers should consider not only the robustness of the standard coverage but also the content complexity (depth of knowledge level) if appropriate. More information on content complexity as it relates to Florida standards can be found at: http://www.cpalms.org/Uploads/docs/CPALMS/initiatives/contentcomplexity/CPALMS codefinitions 140711.pdf

For example, if the standard is marked as a level 3 (strategic reasoning and complex thinking) then the materials coverage should reflect this. If the materials coverage is only sufficient to allow for recall (level 1) then this should be reflected in the points assigned.

1. SC.912.E.7.1: Analyze the movement of matter and energy through the different biogeochemical cycles, including water and carbon.

Remarks/Examples:

Describe that the Earth system contains fixed amounts of each stable chemical element and that each element moves among reservoirs in the solid earth, oceans, atmosphere and living organisms as part of biogeochemical cycles (i.e., nitrogen, water, carbon, oxygen and phosphorus), which are driven by energy from within the Earth and from the Sun.

● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification:

Standard is covered.

2. SC.912.L.18.7: Identify the reactants, products, and basic functions of photosynthesis.

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● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
3. SC.912.L.18.8: Identify the reactants, products, and basic functions of aerobic and anaerobic cellular respiration.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
4. SC.912.L.18.12: Discuss the special properties of water that contribute to Earth's suitability as an environment for life: cohesive behavior ability to moderate temperature, expansion upon freezing, and versatility as a solvent.
Remarks/Examples: Annually assessed on Biology EOC.

- VERY GOOD ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT Justification: Standard is covered.
- 5. SC.912.N.1.1: Define a problem based on a specific body of knowledge, for example: biology, chemistry, physics, and earth/space science, and do the following:
- 1. Pose questions about the natural world, (Articulate the purpose of the investigation and identify the relevant scientific concepts).
- 2. Conduct systematic observations, (Write procedures that are clear and replicable. Identify observables and examine relationships between test (independent) variable and outcome (dependent) variable. Employ appropriate methods for accurate and consistent observations; conduct and record measurements at appropriate levels of precision. Follow safety guidelines).
- 3. Examine books and other sources of information to see what is already known,
- 4. Review what is known in light of empirical evidence, (Examine whether available empirical evidence can be interpreted in terms of existing knowledge and models, and if not, modify or develop new models).
- 5. Plan investigations, (Design and evaluate a scientific investigation).
- 6. Use tools to gather, analyze, and interpret data (this includes the use of measurement in metric and other systems, and also the generation and interpretation of graphical representations of data, including data tables and graphs), (Collect data or evidence in an organized way. Properly use instruments, equipment, and materials (e.g., scales, probeware, meter sticks, microscopes, computers) including set-up, calibration, technique, maintenance, and storage).
- 7. Pose answers, explanations, or descriptions of events,
- 8. Generate explanations that explicate or describe natural phenomena (inferences),
- 9. Use appropriate evidence and reasoning to justify these explanations to others,
- 10. Communicate results of scientific investigations, and
- 11. Evaluate the merits of the explanations produced by others.

Remarks/Examples:

Florida Standards Connections for 6-12 Literacy in Science

For Students in Grades 9-10

LAFS.910.RST.1.1 Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.

LAFS.910.RST.1.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text.

LAFS.910.RST.3.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.

LAFS.910.WHST.1.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.

LAFS.910.WHST.3.9 Draw evidence from informational texts to support analysis, reflection, and research.

For Students in Grades 11-12

LAFS.1112.RST.1.1 Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.

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LAFS.1112.RST.1.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks analyze the specific results based on explanations in the text.
LAFS.1112.RST.3.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data,
video, multimedia) in order to address a question or solve a problem.
LAFS.1112.WHST.1.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or
technical processes.
LAFS.1112.WHST.3.9 Draw evidence from informational texts to support analysis, reflection, and research.
Florida Standards Connections for Mathematical Practices
MAFS.K12.MP.1: Make sense of problems and persevere in solving them.
MAFS.K12.MP.2: Reason abstractly and quantitatively.
MAFS.K12.MP.3: Construct viable arguments and critique the reasoning of others. [Viable arguments include evidence.]
MAFS.K12.MP.4: Model with mathematics.
MAFS.K12.MP.5: Use appropriate tools strategically.
MAFS.K12.MP.6: Attend to precision.
MAFS.K12.MP.7: Look for and make use of structure.
MAFS.K12.MP.8: Look for and express regularity in repeated reasoning.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
6. SC.912.N.1.2: Describe and explain what characterizes science and its methods.
0. 30.312.N.1.2. Describe and explain what characterizes science and its methods.
Remarks/Examples:
Science is characterized by empirical observations, testable questions, formation of hypotheses, and experimentation that results in stable
and replicable results, logical reasoning, and coherent theoretical constructs.
Florida Standards Connections: MAFS.K12.MP.3: Construct viable arguments and critique the reasoning of others.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
7. SC.912.N.1.3: Recognize that the strength or usefulness of a scientific claim is evaluated through scientific argumentation, which depends on critical and logical thinking, and the active consideration of alternative scientific explanations to explain the data presented.
Remarks/Examples:
Assess the reliability of data and identify reasons for inconsistent results, such as sources of error or uncontrolled conditions.
Florida Standards Connections: MAFS.K12.MP.2: Reason abstractly and quantitatively MAFS.K12.MP.3: Construct viable arguments and critique the reasoning of others
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
8. SC.912.N.1.4: Identify sources of information and assess their reliability according to the strict standards of scientific investigation.
Paradia/Evanda
Remarks/Examples: Read, interpret, and examine the credibility and validity of scientific claims in different sources of information, such as scientific articles,
advertisements, or media stories. Strict standards of science include controlled variables, sufficient sample size, replication of results,
empirical and measurable evidence, and the concept of falsification.
Florida Standards Connections: LAFS.910.RST.1.1 / LAFS.1112.RST.1.1.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification: Standard is covered.

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Remarks/Examples	
Recognize that conti	ibutions to science can be made and have been made by people from all over the world.
VERY GOOD Justification: Standard is cover	DALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT red.
0. SC.912.N.1.6: D tudied.	escribe how scientific inferences are drawn from scientific observations and provide examples from the content being
temarks/Examples Collect data/evidence	: e and use tables/graphs to draw conclusions and make inferences based on patterns or trends in the data.
lorida Standards C	onnections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them.
VERY GOOD Justification: Standard is cove	DALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT red.
1. SC.912.N.1.7: R	ecognize the role of creativity in constructing scientific questions, methods and explanations.
=	: t problems using creativity, and critical and analytical thinking in problem solving (e.g. convergent versus divergent y in problem solving).
Torida Standards Cobstractly and quant	onnections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them and MAFS.K12.MP.2: Reason itatively.
VERY GOOD Justification: Standard is cove	DALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT red.
2. SC.912.N.2.1: Idor science).	entify what is science, what clearly is not science, and what superficially resembles science (but fails to meet the criteria
=	natic and organized inquiry that is derived from observations and experimentation that can be verified or tested by further in natural phenomena (e.g. Science is testable, pseudo-science is not science seeks falsifications, pseudo-science
	DALIGNMENT OGOOD ALIGNMENT OF FAIR ALIGNMENT OPOOR ALIGNMENT OVERY POOR/NO ALIGNMENT
3. SC.912.N.2.2: Id	entify which questions can be answered through science and which questions are outside the boundaries of scientific s questions addressed by other ways of knowing, such as art, philosophy, and religion.
which is presented a	: estions that can be disproved by experimentation/testing. Recognize that pseudoscience is a claim, belief, or practice s scientific, but does not adhere to strict standards of science (e.g. controlled variables, sample size, replicability, rable evidence, and the concept of falsification).
Florida Standards C	onnections: MAFS.K12.MP.3: Construct viable arguments and critique the reasoning of others.
VERY GOOD Justification: Standard is cove	DALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT red.
4. SC.912.N.2.3: Id	entify examples of pseudoscience (such as astrology, phrenology) in society.
Remarks/Examples	: nomenon (event) can be observed, measured, and tested through scientific experimentation.
etermine it the nne	

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Standard is covered.
15. SC.912.N.2.4: Explain that scientific knowledge is both durable and robust and open to change. Scientific knowledge can change
because it is often examined and re-examined by new investigations and scientific argumentation. Because of these frequent examinations,
scientific knowledge becomes stronger, leading to its durability.
Demarks/Evermles
Remarks/Examples: Recognize that ideas with the most durable explanatory power become established theories, but scientific explanations are continually
subjected to change in the face of new evidence.
outported to sharige in the lace of home viceshee.
Florida Standards Connections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them MAFS.K12.MP.3: Construct viable
arguments and critique the reasoning of others.
● VERY GOOD ALIGNMENT □ GOOD ALIGNMENT □ FAIR ALIGNMENT □ POOR ALIGNMENT □ VERY POOR/NO ALIGNMENT
Justification:
Standard is covered.
16. SC.912.N.2.5: Describe instances in which scientists' varied backgrounds, talents, interests, and goals influence the inferences and thus
the explanations that they make about observations of natural phenomena and describe that competing interpretations (explanations) of
scientists are a strength of science as they are a source of new, testable ideas that have the potential to add new evidence to support one or
another of the explanations.
Remarks/Examples:
Recognize that scientific questions, observations, and conclusions may be influenced by the existing state of scientific knowledge, the social
and cultural context of the researcher, and the observer's experiences and expectations. Identify possible bias in qualitative and quantitative
data analysis.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
Justification:
Standard is covered.
17. SC.912.N.3.1: Explain that a scientific theory is the culmination of many scientific investigations drawing together all the current evidence
concerning a substantial range of phenomena; thus, a scientific theory represents the most powerful explanation scientists have to offer.
Remarks/Examples:
Remarks/Examples: Explain that a scientific theory is a well-tested hypothesis supported by a preponderance of empirical evidence.
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Explain that a scientific theory is a well-tested hypothesis supported by a preponderance of empirical evidence. Florida Standards Connections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them and, MAFS.K12.MP.3: Construct viable arguments and critique the reasoning of others. © VERY GOOD ALIGNMENT
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Explain that a scientific theory is a well-tested hypothesis supported by a preponderance of empirical evidence. Florida Standards Connections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them and, MAFS.K12.MP.3: Construct viable arguments and critique the reasoning of others. © VERY GOOD ALIGNMENT

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Remarks/Examples	
Recognize that theor	es do not become laws, theories explain laws. Recognize that not all scientific laws have accompanying explanatory
theories.	
VFRY GOOF	ALIGNMENT OGOOD ALIGNMENT OF AIR ALIGNMENT OPOOR ALIGNMENT OVERY POOR/NO ALIGNMENT
Justification:	ALIGNMENT O GOOD ALIGNMENT OT AIR ALIGNMENT OT OOK ALIGNMENT O VERT TOOKNO ALIGNMENT
Standard is cover	ed.
21. SC.912.N.3.5 : De	escribe the function of models in science, and identify the wide range of models used in science.
Remarks/Examples	
=	s are used by scientists to explain observations of nature.
Florida Standards Co	nnections: MAFS.K12.MP.4: Model with mathematics.
	ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT
Justification: Standard is cover	ed.
	plain how scientific knowledge and reasoning provide an empirically-based perspective to inform society's decision
making.	
Remarks/Examples	
Recognize that no si	ngle universal step-by-step scientific method captures the complexity of doing science. A number of shared values and
perspectives charact	erize a scientific approach.
MAFS.K12 MP 1· Ms	ke sense of problems and persevere in solving them, and MAFS.K12.MP.2: Reason abstractly and quantitatively.
	ALIGNMENT OGOOD ALIGNMENT OF AIR ALIGNMENT OPOOR ALIGNMENT OVERY POOR/NO ALIGNMENT
Justification: Standard is cover	ed
	eigh the merits of alternative strategies for solving a specific societal problem by comparing a number of different costs
and benefits, such as	human, economic, and environmental.
Remarks/Examples	
•	echnologies, objects, and processes that have been modified to advance society, and explain why and how they were
	ics in scientific research to advance society (e.g. global climate change, historical development of medicine and medical
practices).	
	nnections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them, and MAFS.K12.MP.2: Reason
abstractly and quanti	atively.
VFRY GOOF	ALIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT
Justification:	
Standard is cover	ed.
24. SC.912.P.8.1: Di	ferentiate among the four states of matter.
Damauka/E	
Remarks/Examples	he four states of matter (solid, liquid, gas and plasma) in terms of energy, particle motion, and phase transitions. (Note:
•	ne rour states of matter (solid, liquid, gas and plasma) in terms of energy, particle motion, and phase transitions. (Note: of matter have been identified.)
Currently live states	or maker have been definited.)
VERY GOOD	ALIGNMENT OGOOD ALIGNMENT OF FAIR ALIGNMENT OPOOR ALIGNMENT OVERY POOR/NO ALIGNMENT
Justification:	
Standard is cover	ed.
25. SC.912.P.8.2: Di	ferentiate between physical and chemical properties and physical and chemical changes of matter.
Pomarke/Evamalaa	
Remarks/Examples	
	pressibility, density, conductivity, malleability, reactivity, molecular composition, freezing, melting and boiling points.
Describe simple labo chromatography, eva	ratory techniques that can be used to separate homogeneous and heterogeneous mixtures (e.g. filtration, distillation,
COLOGO AND	poration).
omomatograpny, eve	

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Justification: Standard is covered.
26. SC.912.P.8.4: Explore the scientific theory of atoms (also known as atomic theory) by describing the structure of atoms in terms of protons, neutrons and electrons, and differentiate among these particles in terms of their mass, electrical charges and locations within the atom.
Remarks/Examples: Explain that electrons, protons and neutrons are parts of the atom and that the nuclei of atoms are composed of protons and neutrons, which experience forces of attraction and repulsion consistent with their charges and masses.
Florida Standards Connections: MAFS.K12.MP.4: Model with mathematics.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
27. SC.912.P.8.5: Relate properties of atoms and their position in the periodic table to the arrangement of their electrons.
Remarks/Examples: Use the periodic table and electron configuration to determine an element's number of valence electrons and its chemical and physical properties. Explain how chemical properties depend almost entirely on the configuration of the outer electron shell.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
28. SC.912.P.8.7: Interpret formula representations of molecules and compounds in terms of composition and structure.
Remarks/Examples: Write chemical formulas for simple covalent (HCl, SO2, CO2, and CH4), ionic (Na+ + Cl- +NaCl) and molecular (O2, H2O) compounds. Predict the formulas of ionic compounds based on the number of valence electrons and the charges on the ions.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
29. SC.912.P.8.8: Characterize types of chemical reactions, for example: redox, acid-base, synthesis, and single and double replacement reactions.
Remarks/Examples: Classify chemical reactions as synthesis (combination), decomposition, single displacement (replacement), double displacement, and combustion.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
30. SC.912.P.8.11: Relate acidity and basicity to hydronium and hydroxyl ion concentration and pH.
Remarks/Examples: Use experimental data to illustrate and explain the pH scale to characterize acid and base solutions. Compare and contrast the strengths of various common acids and bases.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
31. SC.912.P.10.1: Differentiate among the various forms of energy and recognize that they can be transformed from one form to others.
Remarks/Examples: Differentiate between kinetic and potential energy. Recognize that energy cannot be created or destroyed, only transformed. Identify examples of transformation of energy: Heat to light in incandescent electric light bulbs Light to heat in laser drills Electrical to sound in radios Sound to electrical in microphones Electrical to chemical in battery rechargers Chemical to electrical in dry cells Mechanical to electrical in generators [power plants] Nuclear to heat in nuclear reactors Gravitational potential energy of a falling object is converted to kinetic energy then to heat and sound energy when the object hits the ground.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT

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Justification: Standard is covered.
32. SC.912.P.10.3: Compare and contrast work and power qualitatively and quantitatively.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
33. SC.912.P.10.4: Describe heat as the energy transferred by convection, conduction, and radiation, and explain the connection of heat to change in temperature or states of matter.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
34. SC.912.P.10.5: Relate temperature to the average molecular kinetic energy.
Remarks/Examples: Recognize that the internal energy of an object includes the energy of random motion of the object's atoms and molecules, often referred to as thermal energy.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
35. SC.912.P.10.7: Distinguish between endothermic and exothermic chemical processes.
Remarks/Examples: Classify chemical reactions and phase changes as exothermic (release thermal energy) or endothermic (absorb thermal energy).
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
36. SC.912.P.10.10: Compare the magnitude and range of the four fundamental forces (gravitational, electromagnetic, weak nuclear, strong nuclear).
Remarks/Examples: Recognize and discuss the effect of each force on the structure of matter and the evidence for it.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
37. SC.912.P.10.12: Differentiate between chemical and nuclear reactions.
Remarks/Examples:
Describe how chemical reactions involve the rearranging of atoms to form new substances, while nuclear reactions involve the change of atomic nuclei into entirely new atoms. Identify real-world examples where chemical and nuclear reactions occur every day.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
38. SC.912.P.10.14: Differentiate among conductors, semiconductors, and insulators.
Remarks/Examples:
Describe band structure, valence electrons, and how the charges flow or rearrange themselves between conductors and insulators.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
39. SC.912.P.10.15: Investigate and explain the relationships among current, voltage, resistance, and power.
Remarks/Examples:
Use Ohm's and Kirchhoff's laws to explain the relationships among circuits.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.

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Remarks/Examples:	motic appetrum (i.e. radio wayon migrowayon infrared visible light ultravial at V annu and annual and a second
	gnetic spectrum (i.e., radio waves, microwaves, infrared, visible light, ultraviolet, X-rays and gamma rays) in terms of and energy. Solve problems involving wavelength, frequency, and energy.
VERY GOOD A Justification: Standard is covered	LIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
41. SC.912.P.10.21: Qu a receiver.	nalitatively describe the shift in frequency in sound or electromagnetic waves due to the relative motion of a source or
Remarks/Examples: Describe the apparent of	change in frequency of waves due to the motion of a source or a receiver (the Doppler effect).
VERY GOOD A Justification: Standard is covered	LIGNMENT O GOOD ALIGNMENT O FAIR ALIGNMENT O POOR ALIGNMENT O VERY POOR/NO ALIGNMENT
42. SC.912.P.12.2: Ana functions of time.	lyze the motion of an object in terms of its position, velocity, and acceleration (with respect to a frame of reference) as
Remarks/Examples:	
Solve problems involvin	g distance, velocity, speed, and acceleration. Create and interpret graphs of 1-dimensional motion, such as position ersus time, speed versus time, velocity versus time, and acceleration versus time where acceleration is constant.
Florida Standards Conn vectors.	ections: MAFS.912.N-VM.1.3 (+) Solve problems involving velocity and other quantities that can be represented by
VERY GOOD A Justification: Standard is covered	LIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
43. SC.912.P.12.3: Inte	rpret and apply Newton's three laws of motion.
Remarks/Examples:	
Explain that when the nather same direction, or, in change, or accelerate (a	et force on an object is zero, no acceleration occurs thus, a moving object continues to move at a constant speed in f at rest, it remains at rest (Newton's first law). Explain that when a net force is applied to an object its motion will according to Newton's second law, F = ma). Predict and explain how when one object exerts a force on a second at always exerts a force of equal magnitude but of opposite direction and force back on the first: F1 on 2 = -F1 on 1
VERY GOOD A Justification: Standard is covered	LIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
44. SC.912.P.12.4: Des	cribe how the gravitational force between two objects depends on their masses and the distance between them.
	of universal gravitation in terms of the attraction between two objects, their masses, and the inverse square of the
distance between them.	
VERY GOOD A Justification: Standard is covered	LIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
45. SC.912.P.12.7: Red they or the light source	ognize that nothing travels faster than the speed of light in vacuum which is the same for all observers no matter how are moving.
Remarks/Examples:	ess of the speed of an observer or source, in a vacuum the speed of light is always c.
	LIGNMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT

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46. SC.912.P.12.10: Interpret the behavior of ideal gases in terms of kinetic molecular theory. Using the kinetic molecular theory, explain the behavior of gases and the relationship between pressure and volume (Boyle's law), volume and temperature (Charles's law), pressure and temperature (Gay-Lussac's law), and number of particles in a gas sample (Avogadro's ● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 47. SC.912.P.12.11: Describe phase transitions in terms of kinetic molecular theory. Remarks/Examples: Explain, at the molecular level, the behavior of matter as it undergoes phase transitions. ● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Standard is covered. 48. SC.912.P.12.12: Explain how various factors, such as concentration, temperature, and presence of a catalyst affect the rate of a chemical reaction. Remarks/Examples: Various factors could include: temperature, pressure, solvent and/or solute concentration, sterics, surface area, and catalysts. The rate of reaction is determined by the activation energy, and the pathway of the reaction can be shorter in the presence of enzymes or catalysts. Examples may include: decomposition of hydrogen peroxide using manganese (IV) oxide nitration of benzene using concentrated sulfuric acid hydrogenation of a C=C double bond using nickel. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 49. LAFS.910.RST.1.1: Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 50. LAFS.910.RST.1.2: Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 51. LAFS.910.RST.1.3: Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 52. LAFS.910.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 9-10 texts and topics. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 53. LAFS.910.RST.2.5: Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., force, friction, reaction force, energy). ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 54. LAFS.910.RST.2.6: Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, defining the question the author seeks to address. ● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT

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Justification: Standard is covered.
55. LAFS.910.RST.3.7: Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
56. LAFS.910.RST.3.8: Assess the extent to which the reasoning and evidence in a text support the author's claim or a recommendation for solving a scientific or technical problem.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
57. LAFS.910.RST.3.9: Compare and contrast findings presented in a text to those from other sources (including their own experiments), noting when the findings support or contradict previous explanations or accounts.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
58. LAFS.910.RST.4.10: By the end of grade 10, read and comprehend science/technical texts in the grades 9–10 text complexity band independently and proficiently.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
59. LAFS.910.SL.1.1: Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with
diverse partners on grades 9–10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.
 a. Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas. b. Work with peers to set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed. c. Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions. d. Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
60. LAFS.910.SL.1.2: Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
61. LAFS.910.SL.1.3: Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
62. LAFS.910.SL.2.4: Present information, findings, and supporting evidence clearly, concisely, and logically such that listeners can follow the line of reasoning and the organization, development, substance, and style are appropriate to purpose, audience, and task.
● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered.
63. LAFS.910.SL.2.5 : Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.
● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT

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Justification: Standard is covered. 64. LAFS.910.WHST.1.1: Write arguments focused on discipline-specific content. a. Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among the claim(s), counterclaims, reasons, and evidence. b. Develop claim(s) and counterclaims fairly, supplying data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form and in a manner that anticipates the audience's knowledge level and concerns. c. Use words, phrases, and clauses to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims. d. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are e. Provide a concluding statement or section that follows from or supports the argument presented. ● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 65. LAFS.910.WHST.1.2: Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes a. Introduce a topic and organize ideas, concepts, and information to make important connections and distinctions; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension. b. Develop the topic with well-chosen, relevant, and sufficient facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic. c. Use varied transitions and sentence structures to link the major sections of the text, create cohesion, and clarify the relationships among d. Use precise language and domain-specific vocabulary to manage the complexity of the topic and convey a style appropriate to the discipline and context as well as to the expertise of likely readers. e. Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are f. Provide a concluding statement or section that follows from and supports the information or explanation presented (e.g., articulating implications or the significance of the topic). ● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 66. LAFS.910.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 is covered. 67. LAFS.910.WHST.2.5: Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered 68. LAFS.910.WHST.2.6: Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically. ● VERY GOOD ALIGNMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT Justification: Standard is covered. 69. LAFS.910.WHST.3.7: Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation. ● VERY GOOD ALIGNMENT ☐ GOOD ALIGNMENT ☐ FAIR ALIGNMENT ☐ POOR ALIGNMENT ☐ VERY POOR/NO ALIGNMENT Justification: Standard is covered.

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70. LAFS.910.WHS1.3.6: G	ather relevant information from multiple authoritative print and digital sources, using advanced searches
effectively; assess the usefu	lness of each source in answering the research question; integrate information into the text selectively to maintain
the flow of ideas, avoiding pl	lagiarism and following a standard format for citation.
VERY GOOD ALIGI Justification: Standard is covered.	NMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
71. LAFS.910.WHST.3.9: D	raw evidence from informational texts to support analysis, reflection, and research.
VERY GOOD ALIGI Justification: Standard is covered.	NMENT ○ GOOD ALIGNMENT ○ FAIR ALIGNMENT ○ POOR ALIGNMENT ○ VERY POOR/NO ALIGNMENT
	Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single range of discipline-specific tasks, purposes, and audiences.
VERY GOOD ALIGI Justification: Standard is covered.	NMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT
	e units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret s; choose and interpret the scale and the origin in graphs and data displays.
VERY GOOD ALIGI Justification: Standard is covered.	NMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT
74. MAFS.912.N-Q.1.3: Cho	oose a level of accuracy appropriate to limitations on measurement when reporting quantities.
VERY GOOD ALIGI Justification: Standard is covered.	NMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT
75. ELD.K12.ELL.SC.1: Eng content area of Science.	glish language learners communicate information, ideas and concepts necessary for academic success in the
Justification:	NMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT b-based, the resource can be translated into any language that the student may be better versed in.
76. ELD.K12.ELL.SI.1: Engl	lish language learners communicate for social and instructional purposes within the school setting.
Justification:	NMENT GOOD ALIGNMENT FAIR ALIGNMENT POOR ALIGNMENT VERY POOR/NO ALIGNMENT can be used to have students report out to their peers.