

OCPS K-5 Science Adoption Rubric 2023-2024

Publisher:	Name of Reviewer:
Instructional Materials Name:	School:
Grade Level(s) Reviewed:	Role:

The Sunshine State Standards were first approved by the State Board of Education in 1996 as a means of identifying academic expectations for student achievement in Florida. The Next Generation Sunshine State Standards (NGSSS) for Science were approved by the State Board of Education in December 2008. These standards included content aligned with the following strands: The Nature of Science, Earth & Space Science, Physical Science, and Life Science. The following priorities constitute the rubric for the evaluation of instructional materials:

- Priority 1: Content - Building knowledge through high-quality instructional materials
- Priority 2: Instruction - Evidence-based questions, tasks, and assignments
- Priority 3: Usability for teachers
- Priority 4: Usability for students
- Priority 5: Assessment

Reviewers will evaluate the extent to which a set of materials best aligns to the the priorities by assigning one of the following ratings:

0	1	2	3
Product Does not Meet OCPS Criteria	Product Minimally Meets OCPS Criteria	Produce Adequately Meets OCPS Criteria	Product Meets/Exceeds OCPS Criteria
	(Present 1-33%)	(Present 34-66%)	(Present (67-100%))

***Note:** In accordance with the addendum released on 6.9.2021, this rubric does not incorporate unsolicited strategies, such as social emotional learning and culturally responsive teaching. These strategies are not called for in the specifications because they are not aligned to the NGSSS Standards and, therefore, should not be evaluation criteria in reviewing instructional materials.*

Resources to reference during review:

- [FLDOE 2023-24 Science Materials Specifications](#)
- [Teaching Science in Florida: Understanding NGSSS](#)
- OCPS Elementary Science Textbook Adoption Guidelines Presentation

Review Criteria	Comments/Specific Examples (pg #)	Score
<u>1. Content - Building knowledge through high-quality instructional materials</u> <i>*This category will hold a weight multiplier of 2 as it is an essential priority.</i>		
1.1. The content aligns with the state's standards and benchmarks for subject, grade level and learning outcomes.	Note to Reviewer: If this score is 0, then the total score for this essential priority will automatically be zero because this is a minimum requirement for OCPS adoption.	

1.2. The level of complexity or difficulty of content must be appropriate for the standards and benchmarks, student abilities and grade level, and time periods allowed for teaching.		
1.3. The product includes both digital and printed versions as part of the adoption, where the digital core content is available offline.	Note to Reviewer: If this score is 0, then the total score for this essential priority will automatically be zero because this is a minimum requirement for OCPS adoption.	
1.4. The content is presented accurately. (Material should be devoid of typographical or visual errors.)		
1.5. The content of the material is presented objectively. (Material should be free of bias and contradictions and is noninflammatory in nature.)		
1.6. The content includes connections to life in a context that is meaningful to students.		
1.7. The materials include interdisciplinary connections which are intended to make the content meaningful to students.		
1.8. The materials provide specific ELL and ESE strategies for instruction.		
	Total Score	<u> </u> /24
<u>2. Instruction - Evidence-based questions, tasks, and assignments</u> <i>*This category will hold a weight multiplier of 2 as it is an essential priority.</i>		
2.1. Elements of the 5E model are appropriately integrated within every lesson.		
2.2. Digital content including virtual labs, simulations, and videos are embedded in the instructional materials in order to assist understanding of scientific concepts.		
2.3. The materials contain support for students and teachers such as sample test items, study guides, outlines, strategies for teaching, media supplements, learning activities and projects.		
2.4. The materials allow for student-centered instruction as appropriate to the content.		
2.5. The digital component allows for interactive student responses that can be monitored by the teacher.		
2.6. The product contains presentation, navigation, study tools and assistive supports that aid students, including those with disabilities, to access and interact with the material.		

2.7. The product provides tasks and resources that connect with a variety of diverse backgrounds and experiences.		
	Total Score	___/21
3. Usability for Teachers		
3.1 The structure and format of materials lends itself to an ease of navigation to allow teachers to access content and explicitly identify ideas and sequences.		
3.2 The learning goal and benchmark is clearly labeled within each lesson including connections to other benchmarks within and beyond course level.		
3.3 The product provides educative notes for the teacher on the depth of the benchmark (including sample student responses or common misconceptions for reference).		
3.4 The product provides the teacher questions within lessons to promote science discourse and reasoning.		
3.5 The product includes standards aligned ancillary materials (additional practice with scaffolds, re-teach materials, etc.).		
3.6 The teacher edition provides the teacher with multiple strategies to teach a benchmark within the lesson (specifically for use of re-teach in small group on the current lesson).		
3.7 The materials are easy to adapt to meet the needs of all learners.		
3.8 The materials are easy to adapt to align the scope and sequence created by OCPS.		
3.9 Ongoing professional development is available for the length of the adoption cycle (5 years).		
3.10 There are consumable and non-consumable supplies to be used for teacher modeling in the 5E model.		
3.11 There are replenishable consumable supplies to be used for teacher modeling in the 5E model.		
	Total Score	___/33
4. Usability for Students		
4.1. The text has appropriate readability and an appearance generally considered attractive to the intended students.		

4.2. The materials include features to maintain learner motivation, including opportunities for informative and positive feedback on progress.		
4.3. The materials provide guidance and support to help students safely and successfully become more independent learners and thinkers.		
4.4. 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.		
4.5. The assignments include questions and application activities during learning that give students opportunities to respond.		
4.6. The materials include review/practice questions at multiple levels.		
4.7. There are consumable and non-consumable supplies to be used for teacher modeling in the 5E model.		
4.8. There are replenishable consumable supplies to be used for teacher modeling in the 5E model.		
4.9. There is access to virtual labs, simulations, and videos to assist understanding of scientific concepts.		
	Total Score	<u> </u> /27
5. Assessment		
5.1. The materials include both formative and summative assessment strategies that are known to be successful in determining how well students have achieved the targeted learning outcomes.		
5.2. The program includes a test bank with a variety of item types arranged by benchmark.		
5.3. The assessments and assessment items align to the full extent of the NGSSS Standards and Benchmarks.		
5.4. The assessments include a variety of question types (multi-select, multiple choice, open-ended, etc.).		
5.5. The assessments include an appropriate quality and quantity of items.		
5.6. The assessment strategies incorporated in the materials are effective in assessing the learners' performance with regard to the targeted outcomes both formatively and summatively.		
	Total Score	<u> </u> /18

TOTAL - Calculated percentage for each category:

Content (%) <i>*weighted x2</i>	Instruction (%) <i>*weighted x2</i>	Usability for Teachers (%)	Usability for Students (%)	Assessment (%)