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Nov 17, 2023

Savvas Learning Company -Statement Regarding Complete Coverage of OAS in K-2 Materials Review

The enVision Mathematics Oklahoma K-12 curriculum was developed specifically to ensure 100% coverage of the Oklahoma Academic Standards (OAS). For grades K-8, full coverage of the OAS can be found in the below core materials that committee members received:

- Student Editions includes Volume 1, Volume 2, and Student Edition Companion
- Teacher Editions includes Volume 1, Volume 2, Oklahoma Teacher Edition Tabs and Teacher Edition Program Overview

After reviewing the completed High Quality Instructional Materials rubric for enVision Mathematics Oklahoma, there are inaccuracies in the review related to standard alignment, as well as a potential misunderstanding of the program components. Both negatively impacted the review.

- 1.) Inaccuracies in Criterion 1.1. Alignment to the Oklahoma Academic Standards

 Three specific content gaps were identified by the reviewers, but all three <u>are</u> fully covered in the curriculum, as detailed below:
 - <u>Criterion 1b -</u> In regard to OAS 1.N.1.4 and 1.N.1.5, the reviewer commented that "The curriculum offers students the chance to explore patterns, number relationships, and various mathematical models. However, it overlooks the requirement for first-grade students to count by 2's or 5's."

enVision Mathematics Oklahoma explicitly meets this standard requirement at Grade 1, as evidenced by Grade 1 lesson OK-4, which is titled "Count by 2's and 5's to 100".

- This lesson was in reviewer materials, and can be found in the Student Edition Companion on pages OK-7 and OK-8.
- Instruction for this lesson can be found in the Teacher Edition Program Overview on page
 129

Note that we have also included lesson images on the attached pages for your ease of review.

- <u>Criterion 1c</u> In regard to OAS 2.GM.3.2, the reviewer commented that "Second-grade students are prompted to tell time to the 5-minute mark, diverging from the quarter-hour requirement set by the Oklahoma standards.."
 - enVision Mathematics Oklahoma explicitly meets this standard at Grade 2, as evidenced by Grade 2 lesson 8-7 which is titled "Tell Time Before and After the Hour". There is an additional lesson, as noted by the reviewer, titled "Tell and Write Time to Five Minutes", but **this lesson is optional and can be used, if desired, as an opportunity for extension.**

- Lesson 8-7 was in reviewer materials, and can be found in the Student Edition, Volume 1 on pages 353-356.
- Instruction for this lesson can be found in the Teacher Edition, Volume 1 on pages 353A-356B.

Note that we have also included lesson images on the attached pages for your ease of review.

<u>Criterion 1d - In regard to OAS 1.D.1.2</u> and 1.D.1.3, the reviewer commented that "...bar graphs, required in first grade, only appear in the curriculum in second grade."

enVision Mathematics Oklahoma fully covers this standard at the required grade, as evidenced by Grade 1 lessons OK-1 and OK-2, which are titled "Create Bar Graphs" and "Interpret Bar Graphs".

- This lesson was in reviewer materials, and can be found in the Student Edition Companion on pages OK-1, OK-2, OK-3, and OK-4.
- Instruction for this lesson can be found in the Teacher Edition Program Overview on pages 126-127.

Note that we have also included lesson images on the attached pages for your ease of review.

The 3 examples above illustrate that although *enVision Mathematics Oklahoma* fully addresses the OAS at each grade as intended, there were inaccuracies in how the reviewers scored the criterion. Should these criteria have been accurately scored, the Criterion 1.1 subtotal should have been sufficient to move forward to Gateway 2 and 3 review.

2.) Misunderstanding of 3-Volume Core Materials

Throughout Gateway 1, reviewers consistently cite that all OAS are comprehensively covered by the curriculum, but in the same criterion will also state that the curriculum needs supplementary materials to align to the OAS. Examples of reviewer comments include:

- Criterion 1a. "Although the curriculum comprehensively addresses all OAS for the Numbers and Operations strand with diverse models and high DOK levels, 18 lessons within this grade level rely solely on a small supplemental Oklahoma workbook.
- Criterion 1b. "Although the curriculum thoroughly covers all OAS within this strand with diverse
 pattern-based tasks, graphics, and higher DOK levels, 7 algebraic reasoning lessons within this
 grade band rely on a small supplemental Oklahoma workbook.
- Criterion 1c. "Within this strand, OAS are comprehensively covered, featuring varied tasks, enriched vocabulary, and higher DOK levels. However, 17 geometry and measurement lessons in this grade level rely on a small supplemental Oklahoma workbook."
- Criterion 1d. " the curriculum covers all OAS within the data strand with diverse investigative tasks and data displays. 7 data and probability lessons for this grade level rely on a small supplemental Oklahoma workbook."

- Criterion 1e. "The standards are found in a separate companion book rather than being embedded in the material itself....The curriculum supports Oklahoma Academic Standards, providing Scope and Sequences along with Mathematical Actions and Process details, as seen in the Program Overview on pages 86-101."
- Criterion 1f. "The curriculum demonstrates strong progress and content connections. Alignment to specific Oklahoma Academic Standards (OAS) requires supplementation. Envision materials maintain consistency with the OAS progression and offer an Oklahoma addendum book for each grade, accompanied by a program overview that guides integration of added lessons. The curriculum encompasses all OAS, as detailed in the Scope and Sequences, which also incorporate Mathematical Actions and Processes."

As evidenced above, almost every criterion references that *enVision Mathematics Oklahoma* fully aligns to the Oklahoma Academic Standards and Coherence, and yet, then also references "supplemental materials" or "a need to supplement". It appears that reviewers may not have fully understood that this is a 3-volume student edition model, as well as a 3-volume teacher edition model. All 3 volumes are core to the instruction, and were provided to the reviewers—both in print and online—as they will be to students and teachers who adopt the curriculum. These materials are core to the program, as was presented to the committee, and should not be considered supplementary.

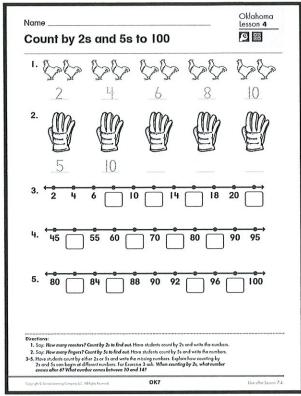
This 3-volume model, as well as the format and length of the student lessons and teacher support, is identical to *enVision Mathematics Oklahoma* Grades 3-5 and 6-8, both of which received a rating of "Exemplifies Quality".

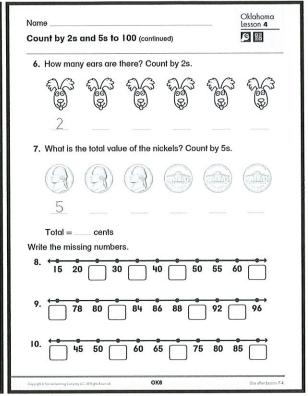
This inconsistent review across grade bands points to a potential misunderstanding of the materials at K-2. Should the criteria have been accurately scored to reflect the comprehensive standards coverage provided by these core lessons—despite their placement in a 3rd volume—the Criterion 1 subtotal would have been sufficient to move forward to Gateway 2 and 3.

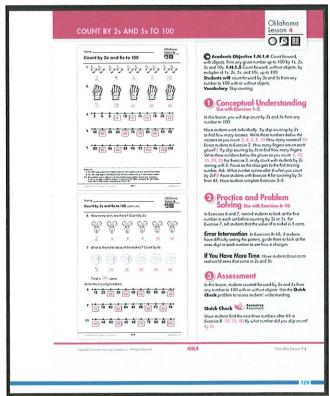
Sincerely,

Heidi Bruhn Vice President, K-12 Math Savvas Learning Company LLC

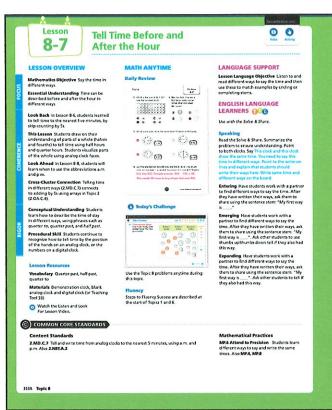
Grade 1, Lesson OK-4 "Counting by 2's and 5's to 100"

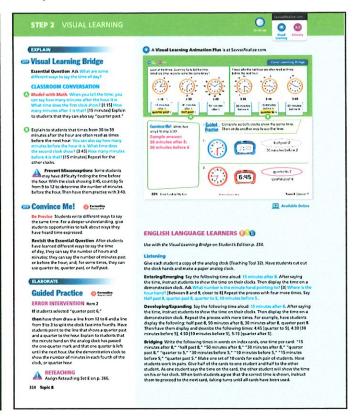


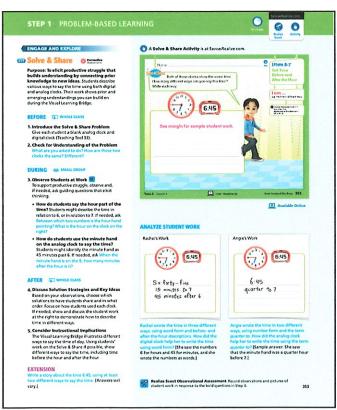


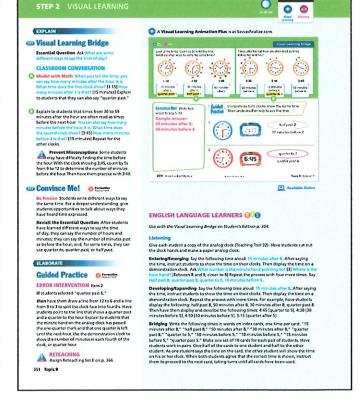


Grade 2, Lesson 8-7 Addresses time to the quarter hour

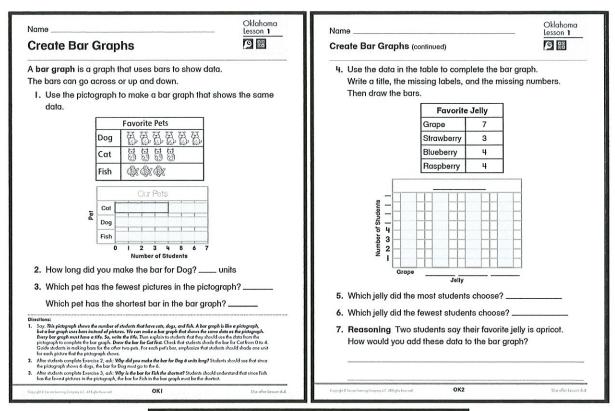


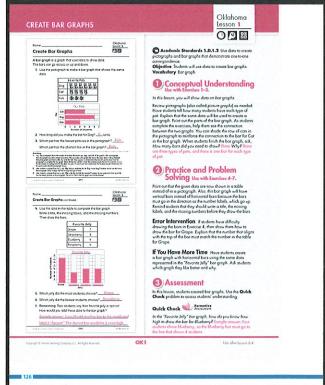






Grade 1, Lesson OK-1 "Create Bar Graphs"





Grade 1, Lesson OK-2 "Interpret Bar Graphs"

Name		Oklahoma Lesson 2	Name _
Interpret Bar Graphs		88	Interpr
You can use a bar graph to get information about data and to			For Exe
compare data.			Denzel
Melissa asked	her classmates which of three sno	ack foods they like	their an
best. She colle	ected their answers and showed th	ne data in the bar	
graph below.			8 7
	Favorile Snack Food		6
8	Popcorn		5
Snack	Fruit		4
	Granola bar		3
- 1	0 1 2 3 4 5 6	7	2
	Number of Votes		1
I. How man	y students chose fruit as their favo	orite snack?	
<u>a</u> stud	lente		
5100	icilis		5. Ho
2. How many students did Melissa ask? students			6. W
3. Which sn	ack did the most students choose	?	7. Ho
4. How man	y fewer students chose granola bo	ar than popcorn?	8. Re
fewe	er students		sc
Directions: 1. Read Exercise 1 with s	students. Help students find the Fruit bar on the graph and read the	number at the end of	to
the bar. Then have the 2. Read Exercise 2 with s	students. Then ask: How can you find the total number of students	Melissa asked? Students should	
3. Read Exercise 3 with s	eed to add the data from all categories to find the total. Audents, Ask: How can you answer the question without reading the	he number at the end of	
the bar? Students shou 4. Read Exercise 4 with s	ld understand that the longest bar represents the most votes. Audents, Ask guiding questions to help them find the answer. How		-
bar? (2) How many ch	nose popcorn? (5)		
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