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FORT ✦ SMITH
PUBLIC SCHOOLS

Student Academic Achievement Presentation:

Analysis of Student Artifacts
in English Language Arts
(ELA) and Mathematics

September 23, 2024

Snapshot of Student Work :

1 artifact per grade level K-5

3 artifacts per department 6-10

English Language Arts (ELA) collected from grades K, 2, 4, 6, and 8

Math collected from grades 1, 3, 5, and 7

69 artifacts submitted for ELA

73 artifacts submitted for math

Content:

- Is the work *aligned to standards*?
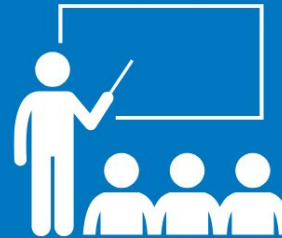- Is the work *on grade level*?

Context:

- How is the student *demonstrating learning*?
  - Test? Real world? Classroom specific? Meaningful writing?

Cognitive Demand:

- What is the *rigor* or Depth of Knowledge (DOK)?

SNAPSHOT OF STUDENT WORK

English Language Arts (ELA) collected from grades K, 2, 4, 6, & 8

1 artifact per grade level K - 5

Math collected from grades 1, 3, 5, & 7
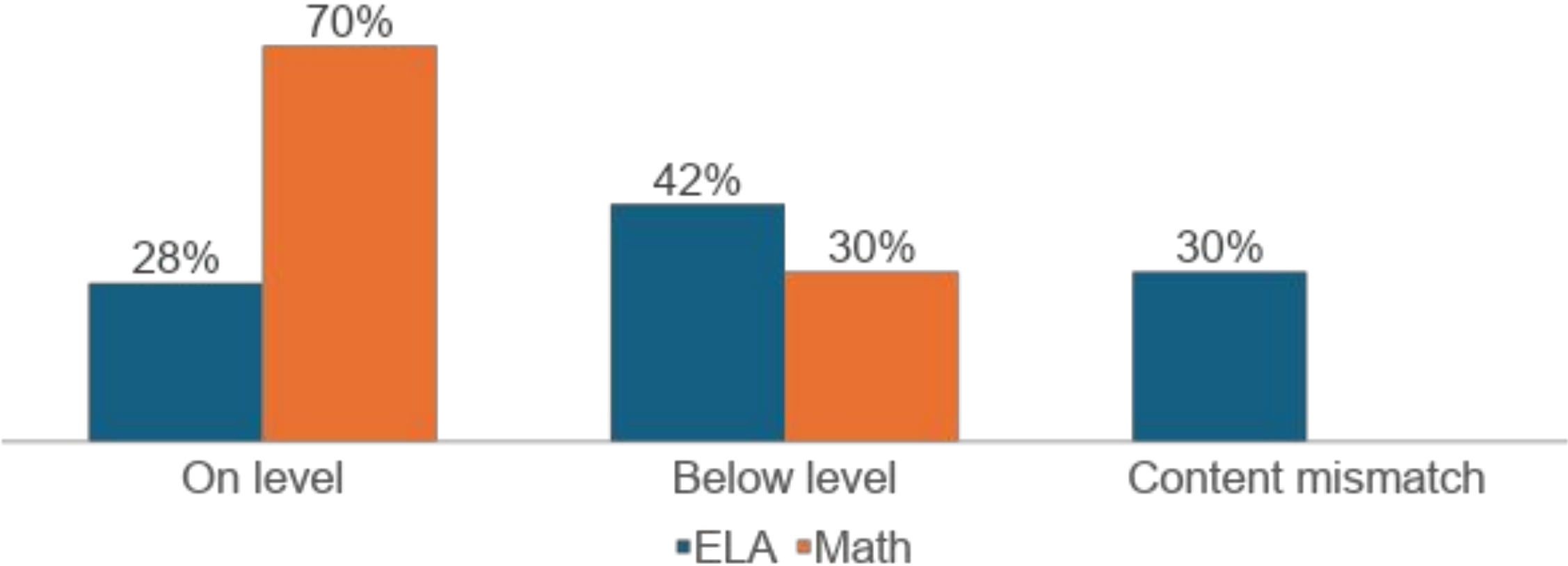
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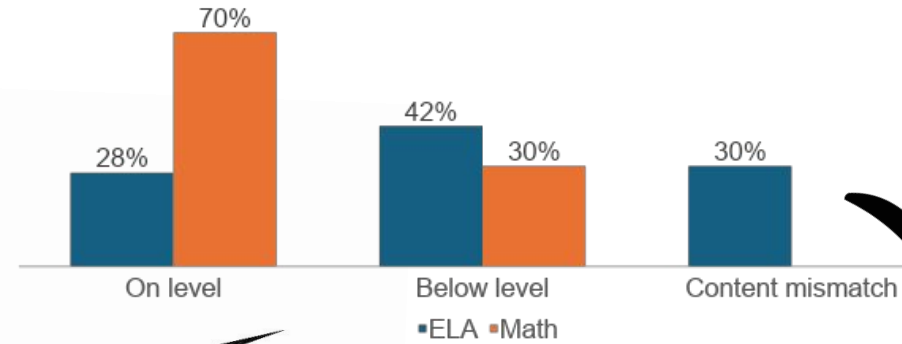
3 artifacts per department 6 - 10

73 artifacts submitted for math

# Percentage of student work on grade level:

Content Collaboration

- The ELA standards are sometimes the same from one grade to the next which makes it challenging for teachers to know the on-level text and activity for their grade, particularly in the middle grades (4-8).

- All math artifacts were aligned to appropriate grade level standards, therefore no content mismatches; *however*, about 30% of the artifacts did not align to the standard specified in the lesson.

Contents of Student Work:
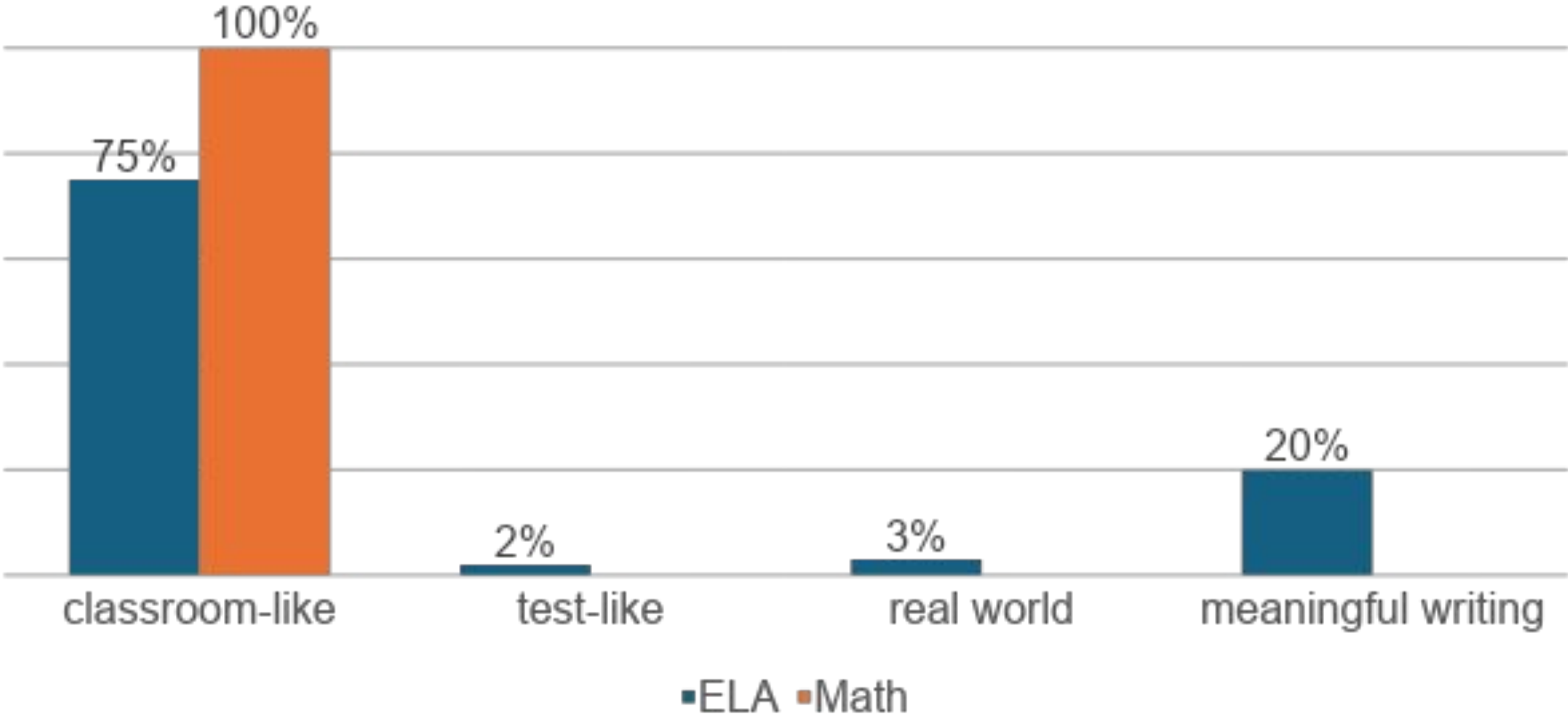
Webb's Depth of Knowledge (DOK) Levels

DOK 1: Recall & Reproduction	DOK 2: Basic Application of Skills/Concepts	DOK 3: Strategic Thinking & Reasoning	DOK4: Extended Thinking
Level One Activities	**Level Two Activities**	**Level Three Activities**	**Level Four Activities**
Recall elements and details of story structure, such as sequence of events, character, plot and setting.	Identify and summarize the major events in a narrative.	Support ideas with details and examples.	Conduct a project that requires specifying a problem, designing and conducting an experiment, analyzing its data, and reporting results/
Conduct basic math calculations	Use context cues to identify the meaning of unfamiliar words.	Use voice appropriate to the purpose and audience.	Apply mathematical model to illuminate a problem illuminate a problem or situation.
Label locations on a map.	Solve routine multiple-step problems.	Identify research questions and design investigations for a scientific problem.	
Represent in words or diagrams a scientific concept or relationship.	Describe the cause/effect of a particular event.	Develop a scientific model for a complex situation.	Analyze and synthesize information from multiple sources.
Perform routine procedures like measuring length or using punctuation marks correctly.	Identify patterns in events or behavior.	Determine the author's purpose and describe how it affects the interpretation of a reading selection.	Describe and illustrate how common themes are found across texts from different cultures.
Describe the features of a place or people.	Formulate a routine problem given data and conditions.	Apply a concept in other contexts.	Design a mathematical model to inform and solve a practical or abstract situation.
	Organize, represent and interpret data.		

Cognitive Demand of Student Work:
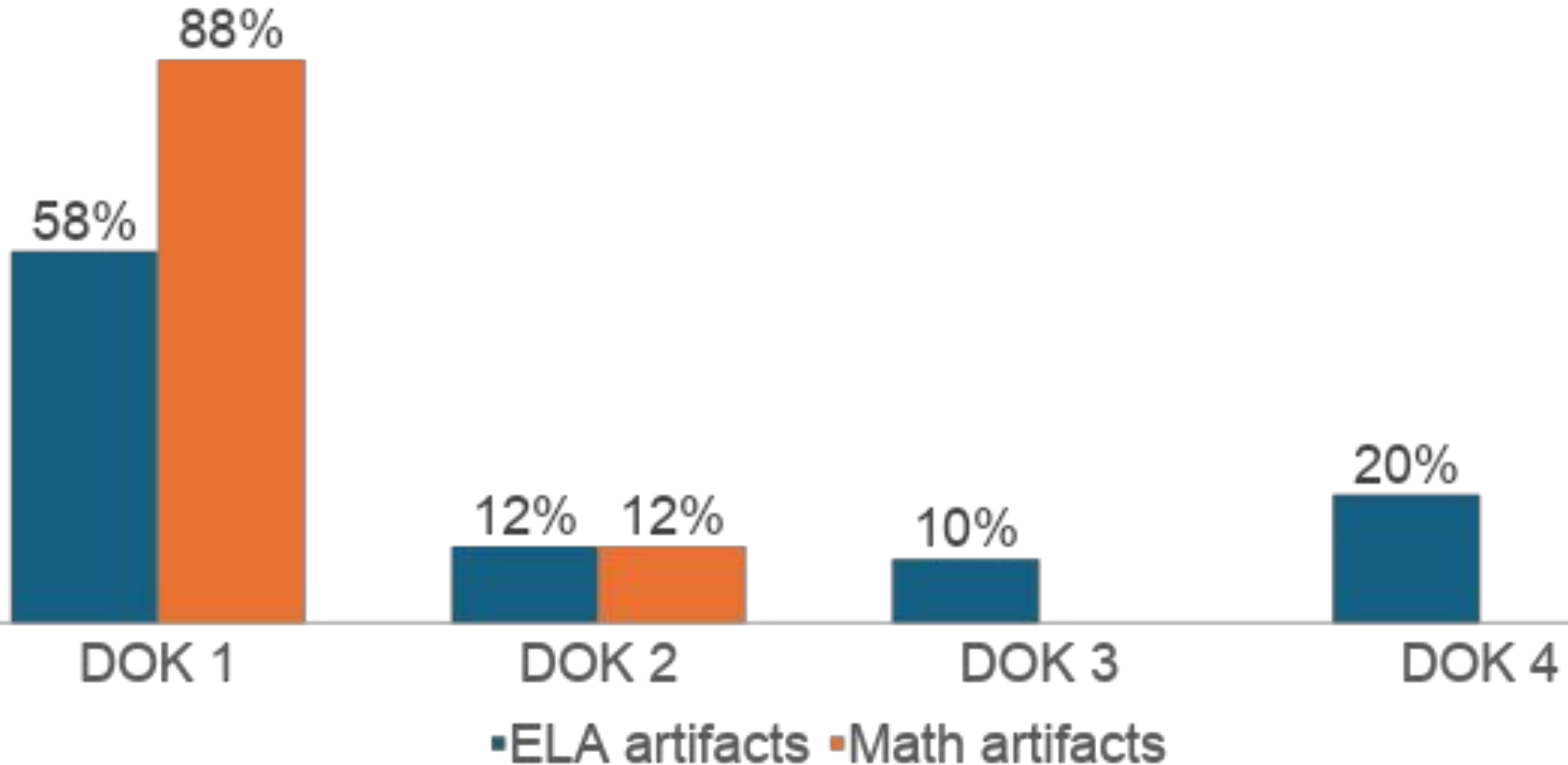
Continuous Improvement

- Exemplar Lessons for Each Essential Standard in the Curriculum

- Principals and Instructional Specialists Trained to Analyze Work Samples and Work with Teacher Teams for Better Alignment

- Continuous Monitoring and Feedback. Results Reported on January 27, 2025.