

READING PERFORMANCE STANDARDS FOR THE HSGQE

R4.1 Apply knowledge of syntax, roots, and word origins, and use context clues and reference materials, to determine the meaning of new words and to comprehend text.

R4.2 Summarize information or ideas from a text and make connections between summarized information or sets of ideas and related topics or information.

R4.3 a. Identify and assess the validity, accuracy, and adequacy of evidence that supports an author's main ideas. b. Critique the power, logic, reasonableness, and audience appeal of arguments advanced in public documents.

R4.4 Read and follow multi-step directions to complete complex tasks.

R4.7 Express and support assertions, with evidence from the text or experience, about the effectiveness of a text.

R4.8 Analyze and evaluate themes across a variety of texts, using textual and experiential evidence.

WRITING PERFORMANCE STANDARDS FOR THE HSGQE

W4.1 Write a coherent composition with a thesis statement that is supported with evidence, well-developed paragraphs, transitions, and a conclusion.

W4.2 Demonstrate understanding of elements of discourse (purpose, speaker, audience, form) when completing expressive (creative, narrative, descriptive), persuasive, research-based, informational, or analytic writing assignments.

W4.3 Use the conventions of Standard English independently and consistently including grammar, sentence structure, paragraph structure, punctuation, spelling, and usage.

W4.4 Revise writing to improve style, word choice, sentence variety, and subtlety of meaning in relation to the purpose and audience.

MATHEMATICS PERFORMANCE STANDARDS FOR THE HSGQE

NOTE: Clarifying comments for the HSGQE are in italics. Some performance standards are not in the full versions found in the Alaska Standards booklet; if certain aspects of a performance standard are not assessed on the HSGQE, they are not included in this document.

Numeration

M1.3.1 Read, write, model, and order real numbers, explaining scientific notation (*read only*), exponents (*square and cube only*) and percents.

M1.2.2 Use, model, and identify place value positions from 0.001 to 1,000,000.

M1.4.3 Compare and contrast the relationship between various applications of the same operation.

M1.3.3 Translate between equivalent representations of the same number, *including simple exponents*. Select a representation that is appropriate for the situation.

M1.3.4 Describe and model the relationship of fractions to decimals, percents, ratios and proportions.

M1.3.5 Use, explain, and define the rules of divisibility, prime and composite numbers, multiples, and order of operations.

M1.4.5 Recognize, describe, and use properties of the real number system.

Measurement

M2.3.1 Estimate and measure various dimensions to a specified degree of accuracy.

M2.4.2 Estimate and convert measurements between different systems.

M2.2.3 Use a variety of measuring tools; describe the attribute(s) they measure.

M2.3.4 Describe and apply the relationships between dimensions of geometric figures to solve problems using indirect measurement; describe and apply the concepts of rate and scale.

M2.3.5 Apply information about time zones and elapsed time to solve problems.

M2.2.6 Read, write, and use money notation, determining possible combinations of coins and bills to equal given amounts; count back change for any given situation.