

YOUR SCHOOL GROUND! THROUGH NEW EYES (page 285)

Grades 3-12

MATHEMATICS

Standard 4: Students use geometric methods, properties and relationships as a means to recognize, draw, describe, connect, and analyze shapes and representations in the physical world.

Essentials

- 4M-E1. Visualize and draw two- and three-dimensional geometric figures with special attention to analyzing and reasoning informally about their properties
- 4M-E2. Apply geometric properties and relationships such as congruence, similarity, angle measure, parallelism and perpendicularity to real-world situations
- 4M-E4. Represent and solve problems relating to size, shape, area and volume using geometric models

Proficiency

- 4M-P2. Represent problem situations with geometric models and apply properties of figures

Standard 5: Students make and use direct and indirect measurement, metric and U.S. customary, to describe and compare the real world and to prepare for the study of discrete functions, fractals and chaos which have evolved out of the age of technology.

Essentials

- 5M-E1. Estimate, make and use measurements to describe and make comparisons
- 5M-E2. Select and use appropriate units and tools to measure to the degree of accuracy required in a particular problem-solving situation
- 5M-E3. Estimate, use and describe measures of distance, perimeter, area, volume, capacity, weight, mass and angles

LANGUAGE ARTS

Standard 2: Students effectively use written language for a variety of purposes and with a variety of audiences.

Essentials

- W-E6. Write formal communications, such as personal or business letters, messages, directions and applications, in an appropriate format and for a specific audience and purpose

Proficiency

- W-P2. Write a persuasive essay that contains effective introductory and summary statements; arranges the arguments effectively; and fully develops the ideas with convincing proof, details, facts, examples and descriptions

Standard 3: Students effectively listen and speak in situations that serve different purposes and involve a variety of audiences.

Essentials

- Interpret and respond to questions and evaluate responses both as interviewer and interviewee

Proficiency

- Conduct an interview, taking appropriate notes and summarizing the information learned

Distinction

- Communicate information expressively, informatively and analytically through a variety of media to audiences inside or outside of school

SCIENCE

SC03-S1C1-01, 02
SC04-S1C1-01, 02
SCHS-S1C1-04

SC03-S1C2-01 THRU 05
SC04-S1C2-01 THRU 05
SC05-S1C2-01 THRU 05
SC06-S1C2-01 THRU 03, 05
SC07-S1C2-01 THRU 03, 05
SC08-S1C2-01 THRU 03, 05
SCHS-S1C2-01, 05

SC03-S1C3-02, 04, 05
SC04-S1C3-01 THRU 03, 05
SC05-S1C3-01 THRU 05
SC06-S1C3-01 THRU 03, 06
SC07-S1C3-01, 02, 04, 05, 07
SC08-S1C3-01 THRU 05, 08
SCHS-S1C3-01, 06, 07

SC03-S1C4-01, 03
SC04-S1C4-01 THRU 03
SC05-S1C4-01 THRU 03
SC06-S1C4-01 THRU 03, 05
SC07-S1C4-01 THRU 03, 05
SC08-S1C4-01, 03, 05
SCHS-S1C4-01, 03, 04

SC03-S4C3-01, 02, 05
SC04-S4C3-01, 04
SC07-S4C3-01 THRU 06
SCHS-S4C3-01, 02