

LESS ELBOW ROOM (page 687)

Grades 4-12

SCIENCE

SCHS-S3C3-01 THRU 03

SC07-S4C3-03 THRU 05
SCHS-S4C3-03

MATHEMATICS

Standard 1: Students develop number sense and use numbers and number relationships to acquire basic facts, to solve a wide variety of real-world problems, and to determine the reasonableness of results.

Essentials

- 1M-E3. Demonstrate proficiency with the operations of multiplication and division of whole numbers.
- 1M-E5. Represent and use numbers in equivalent forms

Proficiency

- 1M-P2. Construct, interpret and demonstrate meaning for real numbers and absolute value in problem-solving situations

Standard 2: Students use data collection and analysis, statistics, and probability to make valid inferences, decisions and arguments and to solve a variety of real-world problems.

Essentials

- 2M-E1. Construct, read, analyze and interpret tables, charts, graphs and data plots
- 2M-E2. Make valid inferences, predictions and arguments based on statistical analysis

Proficiency

- 2M-P1. Construct and draw inferences including measures of central tendency, from charts, tables, graphs and data plots that summarize data from real-world situations
- 2M-P7. Use simulations to estimate probabilities

Distinction

- 2M-D1. Transform data to aid in data interpretation and prediction

SOCIAL STUDIES

Standard 1: History. Students analyze the human experience through time, recognize the relationships of events and people, and interpret significant patterns, themes, ideas, beliefs, and turning points in Arizona, American, and world history.

Essentials

- 1SS-E1. Understand and apply the basic tools of historical research, including chronology and how to collect, interpret, and employ information from historical materials.
- 1SS-E8. Demonstrate and apply the basic tools of historical research, including how to construct timelines, frame questions that can be answered by historical study and research, and analyze and evaluate historical materials offering varied perspectives.

Proficiency

- 1SS-P1. Apply chronological and spatial thinking to understand the meaning, implications, and import of historical and current events.
- 1SS-P2. Demonstrate knowledge of research sources and apply appropriate research methods, including framing open-ended questions, gathering pertinent information, and evaluating the evidence and point of view contained within primary and secondary sources.
- 1SS-P3. Develop historical interpretations in terms of the complexity of cause and effect and in the context in which ideas and past events unfolded.

Distinction

- 1SS-D1. Analyze historical and current events as a historian using primary and secondary sources to evaluate the legitimacy of the commentaries of an event and draw conclusions.
- 1SS-D2. Use historical knowledge to draw conclusions in an attempt to explain where specific current events will lead.

Standard 3: Geography. Students analyze locations, regions, and spatial connections, recognizing the natural and cultural processes that impact the way in which people and societies live and interact with each other and their environment.

Essentials

- 3SS-E4. Demonstrate understanding of the characteristics, purposes, and use of geographic tools to locate and analyze information about people, places, and environments.
- 3SS-E5. Describe natural and human characteristics of places and use this knowledge to define regions, their relationships with other regions, and their patterns of change.
- 3SS-E6. Describe the economic, political, cultural, and social processes that interact to shape patterns of human populations, interdependence, and cooperation and conflict.
- 3SS-E7. Explain the effects of interactions between human and natural systems, including the changes in the meaning, use, and distribution of natural resources.

Proficiency

- 3SS-P3. Analyze how economic, political, cultural, and social processes interact to shape patterns and characteristics of human populations, interdependence, and cooperation and conflict.
- 3SS-P4. Analyze the interactions between human activities and the natural world in different regions, including changes in the meaning, use, distribution, and importance of natural resources.
- 3SS-P5. Apply geographic knowledge of people, places, and environments to understand the past and present and plan for the future.

Standard 4: Economics. Students develop economic reasoning skills to apply basic economic concepts, assess problems, make choices, and evaluate the choices of others as consumers, workers, and citizens participating in local, national, and global economies.

Essentials

- 4SS-E1. Use basic economic concepts such as trade, opportunity costs, specialization, voluntary exchange, and price incentives to examine historical events.

Proficiency

- 4SS-P2. Use economic concepts, theories, principles, and quantitative methods to analyze current events.
- 4SS-P3. Describe how households and firms are interdependent and how their relationship is affected by trade, exchange, money, and banking.
- 4SS-P4. Analyze the similarities and differences among economic systems.