

TEACHER'S GUIDE - SIXTH GRADE RELEVANT ARIZONA STATE STANDARDS

RELEVANT ARIZONA STATE STANDARDS

Visual Arts

Standard 1: Create

Concept 1: Creative Process-

PO201: Contribute to a discussion about ideas for his or her own artwork.

PO202: Make and explain revisions in his or her own artwork.

PO203: Develop plan for his or her own artwork

Concept 2: Materials, Tools, and Techniques

PO201: Identify and experiment with materials, tools, and techniques appropriately and expressively in his or her own artwork.

PO202: Demonstrate purposeful use of materials, tools, and techniques in his or her own artwork.

Reading

Strand 3: Comprehending Informational Text

Concept 1: Expository Text

PO6: Locate appropriate print and electronic reference sources for a specific purpose.

Concept 2: Functional Text

PO3: Interpret details from functional text for a specific purpose.

Writing

Strand 1: Writing Process

Concept 1: Prewriting

PO1: Generate ideas through a variety of activities

PO6: Maintain a record of writing ideas.

Concept 3: Revising

PO4: Rearrange words, sentences, and paragraphs to clarify the meaning or to enhance the writing style.

Concept 5: Publishing

PO3: Use graphics when applicable to enhance the final product.

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Strand 3: Writing Applications

LS-E3: Interpret and respond to questions and evaluate response both as interviewer and interviewee.

Language Arts

Standard 3: Listening and Speaking

LS-E3: Interpret and respond to questions and evaluate response both as interviewer

Standard 4: Viewing and Presenting

VP-E2: Plan, develop and produce a visual presentation, using a variety of media such as videos, films, newspapers, magazines and computer images.

Science

Strand 1: Inquiry Process

Concept 1: Observations, questions, and hypotheses

PO1: Differentiate among a question, hypothesis, and prediction.

PO2: Formulate questions based on observations that lead to the development of a hypothesis.

Concept 2: Scientific Testing

PO1: Demonstrate safe behavior and appropriate procedures in all science inquiry.

PO2: Design an investigation to test individual variables using scientific processes.

PO3: Conduct a controlled investigation using scientific processes.

PO4: Perform measurements using appropriate scientific tools.

PO5: Keep a record of observations, notes, sketches, questions, and ideas using tools such as written and/or computer logs.

Concept 3: Analysis and Conclusions

PO1: Analyze data obtained in a scientific investigation to identify trends.

PO3: Evaluate the observations and data reported by others.

PO5: Analyze the results from previous and/or similar investigations to verify the results of the current investigation.

PO6: Formulate new questions based on the results of a completed investigation.

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Concept 4: Communication

PO2: Display data collected from a controlled investigation.

PO3: Communicate results of an investigation with appropriate use of qualitative and quantitative information.

PO5: Communicate the results and conclusion of the investigation.

Strand 3: Science in Personal and Social Perspectives

Concept 1: Science and Technology in Society

PO1: Propose viable methods of responding to an identified need or problem.

Strand 4: Life Science

Concept 1: Structure and Function in Living Systems

PO1: Explain the importance of water to organisms.

PO6: Relate the following structures of living systems to their functions: transpiration- roots; absorption-roots.

PO7: Describe how the various systems of living organisms work together to perform a vital function.

Concept 3: Populations of Organisms in an Ecosystem

PO1: Explain that sunlight is the major source of energy for most ecosystems.

PO2: Describe how environmental conditions affect the quality of life.

PO7: Describe how the various systems of living organisms work together to perform a vital function.

Strand 6: Earth and Space Science

Concept 2: Earth's Processes and Systems

PO1: Explain how water is cycled in nature.

PO3: Analyze the effects that bodies of water have on the climate of a region.

PO5: Analyze the impact of large-scale weather systems on the local weather.

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Social Studies

Strand 4: Geography

Concept 1: The World in Spatial Terms

PO3: Interpret maps, charts, and geographic databases using geographic information.

PO4: Locate physical and human features in the United States and in regions of the world on a map.

Concept 5: Environment and Society

PO2: Describe the intended and unintended consequences of human modification on the environment.

Educational Technology

Strand 2: Communication and Collaboration

Concept 1: Effective Communications and Digital Interactions

PO1: Communicate digitally with others by selecting and using a variety of appropriate communication tools.

Concept 2: Digital Solutions

PO1: Communicate and collaborate for the purpose of producing original works or solving problems.

Strand 3: Research and Information Literacy

Concept 1: Planning

PO1: Predict and use key words and phrases that narrow or broaden information searches.

PO2: Predict which information sources will provide the desired data.

Concept 2: Processing

PO1: Locate and synthesize information to revise search strategies.

PO2: Use authoritative primary and/or secondary sources.

PO3: Evaluate information and media through determining facts, opinion, bias, and inaccuracies by consulting multiple sources.

PO4: Use appropriate digital tools to synthesize research information to develop new ideas and/or create new understanding.

PO5: Follow copyright laws when using text, images, videos, and/or other sources and obtain permission to use the work of others, and cite resources appropriately.

Strand 4: Critical Thinking, Problem Solving and Decision Making

Concept 1: Investigation

PO1: Write essential questions to investigate a topic or issue using digital tools and resources.

Concept 2: Exploring Solutions

PO1: Plan and manage research using credible digital resources to develop solutions to answer a question.

Strand 6: Technology Operations and Concepts

Concept 2: Application

PO2: Compose a document that applies intermediate formatting.

Workplace Skills

Standard 1: Students use principles of effective oral, written and listening communication skills to make decisions and solve workplace problems.

1WP-E4: Respond to oral and written presentations by formulating relevant feedback, expressing opinions, discerning the main idea and distinguishing fact from opinion.

PO3: Formulate related questions in a presentation

PO 4: Express opinions relating to the main idea in a presentation

1WP-E6: Speak in a content area using vocabulary of the subject accurately; locate and interpret information in documents such as manuals, graphs, and schedules

PO1: Deliver a factual presentation using appropriate terminology

PO2: Use a variety of formats such as data, graphs and technical manuals to support a presentation.