

PERFORMANCE DESCRIPTORS FOR MASTERY

6TH GRADE SCIENCE

Nature of Science:

SC.PD.6.1

Mastery

Sixth grade students at the mastery level describe the research of historical and diverse scientists in society and culture; use careful methodology, logical reasoning and creativity to conduct an investigation; and identify variables, organize and interpret experimental data using safe techniques.

Students will:

- Demonstrate an understanding of the history of science and the evolution of scientific knowledge.
- Demonstrate an understanding of science as a human endeavor encompassing the contributions of diverse cultures and scientists.
- Demonstrate an understanding of the characteristics of a scientist.
- Demonstrate skills of scientific inquiry.

Application of Science:

SC.PD.6.3

Mastery

Sixth grade students at the mastery level compare the functioning of parts to the functioning of the system or model; match innovations with the science that makes them possible; use the appropriate technology to collect scientific data; use media sources to evaluate different points of view regarding health, population, resources or environmental practices.

Students will:

- Explore the relationship between the parts and the whole system; construct a variety of useful models; examine changes that occur in an object or system.
- Demonstrate an understanding of the interdependence between science and technology.
- Demonstrate the ability to utilize technology to gather data and communicate designs, results and conclusions.
- Demonstrate the ability to evaluate the impact of different points of view on health, population, resource and environmental practices.

Content of Science:

SC.PD.6.2

Mastery

Sixth grade students at the mastery level illustrate cycles of ecosystems; classify organisms using traits; compare plant and animal cell models; classify properties of substances and mixtures; characterize electromagnetic and sound waves; describe the flow of heat between objects; diagram simple electric circuits; relate gravity and mass; examine how forces effect motion; examine simple machines; describe events associated with positions of the earth, moon, and sun; associate life forms with geologic eras; use technology to investigate weather; trace the history of plate tectonics theory.

Students will:

- Demonstrate knowledge, understanding and applications of scientific facts, concepts, principles, theories and models as delineated in the objectives.
- Demonstrate an understanding of the interrelationships among physics, chemistry, biology and the earth and space sciences.
- Apply knowledge, understanding and skills of science subject matter/concepts to daily life experiences.



6TH GRADE SOCIAL STUDIES

Geography:

Performance Descriptors

Mastery

Sixth grade students at mastery level in geography:

explain how geographic features have influenced safety of the U.S. in conflicts;

explain how various conflicts caused the boundary changes on historical maps;

locate specific places on a world time zone map and identify their current time; and

locate major world waterways and examine their impact on transportation and trade

Civics:

Performance Descriptors

Mastery

Sixth grade students at mastery level in civics:

describe the process of how a bill becomes a law by following a state bill;

examine differences in forms of government and their influence on historic events;

compare and contrast the key figures of the U.S. government, the structure of the U.S. Congress, and the Constitutional requirements of its members;

describe acts of patriotism and civil discourse in U.S. history; and

explain how global organizations provide aid and support.

Economics:

Performance Descriptors

Mastery

Sixth grade students at mastery level in economics:

compare and contrast the basic characteristics of communism, socialism, and capitalism in various countries;

explain how renewable and nonrenewable resources and the effect on the economy;

list the members of NAFTA and its purpose; and

analyze the impact of technology, production, marketing and consumption of goods and services in selected nations.

Literacy:

Performance Descriptors

Mastery

Sixth through eighth grade students at mastery level in literacy:

determine central ideas and cite textual evidence; provide an accurate summary; identify key steps in a process related to history/social studies;

determine the meaning of domain-specific vocabulary; identify an author's point of view or purpose;

integrate visual information; distinguish among fact, opinion and reasoned judgment; analyze the relationship between primary and secondary sources;

read and comprehend history/social studies texts in the grades 6-8 text complexity band independently and proficiently;

compose arguments and informative/explanatory texts; use precise language and domain-specific vocabulary;

with some guidance and support, use technology to develop, strengthen, publish and present clear and coherent writing;

conduct short research projects drawing on several relevant, credible, and accurate sources; avoid plagiarism; and

write over extended time frames for research-based projects and shorter time frames for a range of discipline-specific tasks, purposes and audiences.

History:

Performance Descriptors

Mastery

Sixth grade students at mastery level in history:

compare and contrast causes, key events and outcomes of World War I with those of World War II;

explain the social, economic and political responses to the Great Depression;

examine the leaders of the Cold War and summarize events;

identify key figures in the struggle for minority rights and cite their actions; and

analyze the role of natural resources in the Middle eastern conflicts and identify key figures involved.

Nick Zervos

Executive Director
Phone: 304-231-3804
Email: nzervos@k12.wv.us

Marian Kajfez

Director of Programs
Phone: 304-231-3806
Email: mkajfez@k12.wv.us

Joe Paolo

Director of Special Education
Phone: 304-231-3823
Email: jpaolo@k12.wv.us

Jonathan Pollock

Coordinator of Curriculum & Instruction
Phone: 304-231-3830
Email: jpollock@k12.wv.us

Rick Redd

School Improvement Specialist
Phone: 304-231-3818
Email: rredd@k12.wv.us

Mary Kay Reisinger

Coordinator of School Improvement & Technical Assistance
Phone: 304-231-3817
Email: mreising@k12.wv.us

Cheryl Tuba

Technical Assistance Support Specialist
Phone: 304-231-3818
Email: ctuba@k12.wv.us

Regional Education
Service Agencies

RESA

• six •
A powerful engine for education

