

# PERFORMANCE DESCRIPTORS FOR MASTERY

## 2ND GRADE SCIENCE

### Nature of Science:

SC.PD.2.1

#### Mastery

Second grade students at the mastery level identify and discuss science careers in their community; design and conduct simple investigations using safe techniques; describe trends of data and make predictions; use scientific tools.

### Students will:

- Demonstrate an understanding of the history and nature of science as a human endeavor encompassing the contributions of diverse cultures, scientists, and careers.
- Demonstrate the abilities and understanding necessary to do scientific inquiry.
- Demonstrate the ability to think and act as scientists by engaging in active inquiries and investigations, while incorporating hands-on activities.

### Application of Science:

SC.PD.2.3

#### Mastery

Second grade students at the mastery level identify how parts of a system interact; recognize and use models as representations of real things; observe and identify patterns of change, consistency or regularity within the environment; recognize that science is incorporated into solving problems and enhancing daily life; demonstrate tolerance of different points of view; engage in conservation practices.

### Students will:

- Identify how the parts of a system interact.
- Recognize and use models as representations of real things.
- Observe that changes occur gradually, repetitively, or randomly within the environment.
- Recognize that common objects and events incorporate science to solve human problems and enhance the quality of life.
- Demonstrate the ability to listen to, be tolerant of, and evaluate the impact of different points of view on health, population, resources and environmental practices while working in collaborative groups.

### Content of Science:

SC.PD.2.2

#### Mastery

Second grade students at the mastery level identify and explain various structures and functions in plants and animals; sequence illustrations of plant and animal life cycles and relate them to the human life cycle; compare and contrast habitats; identify physical properties and changes of matter; identify and demonstrate properties of light, heat, and magnetism; explore sound and compare the force and motion of objects; observe, identify and explain the changes in earth and the sky; describe and correlate fossils to original organisms.

### 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.



## 2ND GRADE SOCIAL STUDIES

### Geography:

Performance Descriptors

#### Mastery

Second grade students at mastery level in geography:  
 identify continents, oceans, major geographic features and specific locations utilizing appropriate global information systems;  
 summarize how climate, location and physical surroundings have caused changes in the community and state over time;  
 utilize a compass rose, a map legend and cardinal directions to find specific locations; and  
 classify examples of natural resources and how people use them.

### Civics:

Performance Descriptors

#### Mastery

Second grade students at mastery level in civics:  
 compare and contrast rules and laws and assess their fairness;  
 illustrate the three levels of government (local, state and national);  
 discuss the characteristics of effective leadership;  
 model good citizenship, patriotism and participate in a volunteer project;  
 create a product that reflects diversity in American culture; and  
 give examples of symbols, icons, and traditions of the United States, recite correctly the Pledge of Allegiance, and participate in national celebrations.

### Economics:

Performance Descriptors

#### Mastery

Second grade students at mastery level in economics:  
 research various occupations and career opportunities and how they have changed within the state and nation;  
 categorize needs, wants and the consequences of these choices by utilizing a system of exchange of goods and services; and  
 examine the role of banks in saving for the future and create a savings chart.

### West Virginia History:

Performance Descriptors

#### Mastery

Second grade students at mastery level in West Virginia Studies:  
 identify important state symbols, celebrations, holidays, famous West Virginians and the governor of our state;  
 locate West Virginia's natural resources and geographic features on a map;  
 locate county seat, the state capital city and bordering states on a map;  
 compare and contrast past and present lifestyles of West Virginians and examine the cultural life through storytelling and various art forms.

### History:

Performance Descriptors

#### Mastery

Second grade students at mastery level in history:  
 create timelines that document family and community change; and  
 describe the influence of people, events and cultures on the development of communities in the United States.

**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

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

*Regional Education  
 Service Agencies*

**RESA**

• six •

A powerful engine for education



**Nick Zervos**  
 Executive Director  
 Phone: 304-231-3804  
 Email: nzervos@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

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