**NGSS Performance Expectation**

 Analysis **KEY**

**CCSS**: Common Core State Standards

**Grade Level:** The grade level(s) of the Performance Expectation

**DCI:** Disciplinary Core Idea

**Title of the Standard:** Heading on the top of the page of the standard

**P.E**.: Performance Expectation

**AB:** Assessment Boundary

**CS**: Clarification Statement

**SEP**: Science and Engineering Practice

**CC**: Crosscutting Concepts

 **RL:** Reading Literature

 **RI:** Reading Informational Text

 **RF:** Reading Foundational Skills

 **W:** Writing

 **SL:** Speaking & Listening

 **L:** Language

 **RST:** Reading Science & Technical Subjects

 **WHST:** Writing in History, Science, &

Technical Subjects

**CC:** Counting and Cardinality

**OA:** Operations & Algebraic Thinking

**NBT:** Number & Operation in Base Ten

**NF:** Number & operations-Fractions

**MD:** Measurement and Data

**G:** Geometry

**RP:** Ratios and Proportional Relationships

**NS:** Number System

**EE:** Expressions and Equations

**F:** Functions

**SP:** Statistics and Probability

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***Crosscutting Concepts***1. Patterns

2. Cause and Effect: Mechanisms and Explanation

3. Scale, Proportion, and Quantity

4. Systems and System Models

5. Energy and Matter: Flows, Cycles, and Conservation

6. Structure and Function

7. Stability and Change

***Disciplinary Core Ideas***PHYSICAL SCIENCES

PS1: Matter and Its Interactions

PS2: Motion and Stability: Forces and Interactions

PS3: Energy

PS4: Waves and Their Applications in Technologies for Information Transfer

LIFE SCIENCES

LS1: From Molecules to Organisms: Structures and Processes

LS2: Ecosystems: Interactions, Energy, and Dynamics

LS3: Heredity: Inheritance and Variation of Traits

LS4: Biological Evolution: Unity and Diversity

EARTH AND SPACE SCIENCES

ESS1: Earth’s Place in the Universe

ESS2: Earth’s Systems

ESS3: Earth and Human Activity

ENGINEERING, TECHNOLOGY, AND APPLICATIONS OF SCIENCE

ETS1: Engineering Design

ETS2: Links Among Engineering, Technology, Science, and Society

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