

# Mapping Animal Movements

## Grade 5-9

### *Benchmarks for the Sunshine State Standards Correlation for Grades 6-8 Only*

#### **SCIENCE**

##### **Strand F: Processes of Life**

**Standard 1: The student describes the patterns of structure and function in living things.**

**Benchmark**

SC.F.1.3.7 The student knows that behavior is a response to the environment and influences growth, development, maintenance, and reproduction.

##### **Strand G: How Living Things Interact with Their Environment**

**Standard 1: The student understands the competitive, interdependent, cyclic nature of living things in the environment.**

**Benchmark**

SC.G.1.3.4 The student knows that the interactions of organisms with each other and with the nonliving parts of their environments result in the flow of energy and the cycling of matter throughout the system.

##### **Strand H: The Nature of Science**

**Standard 1: The student uses the scientific processes and habits of mind to solve problems.**

**Benchmarks**

SC.H.1.3.4 The student knows that accurate record keeping, openness, and replication are essential to maintaining an investigator's credibility with other scientists and society.

SC.H.1.3.5 The student knows that a change in one or more variables may alter the outcome of an investigation.

**Standard 3: The student understands that science, technology, and society are interwoven and independent.**

**Benchmark**

SC.H.3.3.2 The student knows that special care must be taken in using animals in scientific research.

# **MATH**

## **Strand B: Measurement**

**Standard 2: The student compares, contrasts, and converts within systems of measurement.**

### **Benchmark**

MA.B.2.3.1 The student uses direct (measured) and indirect (nonmeasured) measures to compare a given characteristic in either metric or customary units.

## **Strand D: Algebraic Thinking**

**Standard 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.**

### **Benchmarks**

MA.D.1.3.1 The student describes a wide variety of patterns, relationships, and functions through models, such as manipulatives, tables, graphs, expressions, equations, and inequalities.

MA.D.1.3.2 The student creates and interprets tables, graphs, equations, and verbal descriptions to explain cause-and-effect relationships.

## **Strand E: Data Analysis and Probability**

**Standard 1: The student understands and uses the tools of data analysis for managing information.**

### **Benchmark**

MA.E.1.3.1 The student collects, organizes, and displays data in a variety of forms, including tables, line graphs, charts, bar graphs, to determine how different ways of presenting data can lead to different interpretations.

**Standard 3: The student uses statistical methods to make inferences and valid arguments about real-world situations.**

### **Benchmark**

MA.E.3.3.1 The student formulates hypotheses, designs experiments, collects and interprets data, and evaluates hypotheses by making inferences and drawing conclusions based on statistics (range, mean, median, mode) and tables, graphs, and charts.

# **LANGUAGE ARTS**

## **Strand A: Reading**

**Standard 1: The student uses the reading process effectively.**

**Benchmark**

LA.A.1.3.3 The student demonstrates consistent and effective use of interpersonal and academic vocabularies in reading, writing, listening, and speaking.

**Standard 2: The student constructs meaning from a wide range of texts.**

**Benchmark**

LA.A.2.3.5 The student locates, organizes, and interprets written information for a variety of purposes, including classroom research, collaborative decision making, and performing a school or real-world task.

## **Strand B: Writing**

**Standard 2: The student writes to communicate ideas and information effectively.**

**Benchmark**

LA.B.2.3.1 The student writes text, notes, outlines, comments and observations that demonstrate comprehension of content and experiences from a variety of media.

## **Strand C: Listening, Viewing, and Speaking**

**Standard 1: The student uses listening strategies effectively.**

**Benchmarks**

LA.C.1.3.1 The student listens and uses information gained for a variety of purposes, such as gaining information from interviews, following direction, and pursuing personal interest.

LA.C.1.3.4 The student uses responsive listening skills, including paraphrasing, summarizing, and asking questions for elaboration and clarification.

**Standard 3: The student uses speaking strategies effectively.**

**Benchmarks**

LA.C.3.3.2 The student asks questions and makes comments and observations that reflect understanding and application of content, processes, and experiences.

LA.C.3.3.3 The student speaks for various occasions, audiences, and purposes, including conversations, discussions, projects, and informational, persuasive, or technical presentations.