

**Florida Project Learning Tree Sunshine State Standards linkages for grades 3-5, 6-8, and 9-12: CAN IT BE REAL? (#11; pp. 30-34 in old edition *PreK-8 Activity Guide*; pp. 54-58 new edition)**

**Subject Area: Language Arts**

**Strand: Reading**

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

- **Grades 3-5** – Benchmark: selects and uses a variety of appropriate reference materials, including multiple representations of information, such as maps, charts and photos, to gather information for research projects. [LA.A.2.2.8]
- **Grades 6-8** – Benchmark: uses a variety of reference materials, including indexes, magazines, newspapers, and journals; and tools, including card catalogs and computer catalogs, to gather information for research topics. [LA.A.2.3.6]
- **Grades 9-12** – Benchmark: locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement. [LA.A.2.4.4]

**Strand: Writing**

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

- **Grades 3-5** – Benchmark: writes for a variety of occasions, audiences, and purposes. [LA.B.2.2.3]
- **Grades 6-8** – Benchmark: selects and uses appropriate formats for writing, including narrative, persuasive, and expository formats, according to the intended audience, purpose, and occasion. [LA.B.2.3.3]
- **Grades 9-12** – Benchmark: writes fluently for a variety of occasions, audiences, and purposes, making appropriate choices regarding style, tone, level of detail, and organization. [LA.B.2.4.3]

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

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

- **Grades 3-5** – Benchmark: speaks for specific occasions, audiences, and purposes, including conversations, discussions, projects, and informational or imaginative presentations. [LA.C.3.2.3]
- **Grades 6-8** – Benchmark: speaks for various occasions, audiences, and purposes, including conversations, discussions, projects, and informational, persuasive, or technical presentations. [LA.C.3.3.3]
- **Grades 9-12** – Benchmark: uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain. [LA.C.3.4.3]

## Subject Area: Science

### Strand: Processes of Life

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

- **Grades 3-5:** No applicable benchmark
- **Grades 6-8 – Benchmark:** knows that behavior is a response to the environment and influences growth, development, maintenance, and reproduction. [SC.F.1.3.7]
- **Grades 9-12 – Benchmark:** knows that body structures are uniquely designed and adapted for their function. [SC.F.1.4.2]

**Standard 2:** The student understands the process and importance of genetic diversity.

- **Grades 3-5 – Benchmark:** knows that many characteristics of an organism are inherited from the parents of the organism, but that other characteristics are learned from an individual's interactions with the environment. [SC.F.2.2.1]
- **Grades 6-8:** No applicable benchmark
- **Grades 9-12 – Benchmark:** understands the mechanisms of change (e.g., mutation and natural selection) that lead to adaptations in a species and their ability to survive naturally in changing conditions and to increase species diversity. [SC.F.2.4.3]

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

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

- **Grades 3-5 – Benchmark:** knows ways that plants, animals, and protists interact. [SC.G.1.2.1]
- **Grades 3-5 – Benchmark:** knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment. [SC.G.1.2.2]
- **Grades 3-5 – Benchmark:** knows that variations in light, water, temperature, and soil content are largely responsible for the existence of different kinds of organisms and population densities in an ecosystem. [SC.G.1.2.7]
- **Grades 6-8 – Benchmark:** knows that biological adaptations include changes in structures, behaviors, or physiology that enhance reproductive success in a particular environment. [SC.G.1.3.2]
- **Grades 9-12:** No applicable benchmark

**Standard 2:** The student understands the consequences of using limited natural resources.

- **Grades 3-5** – Benchmark: knows that all living things must compete for Earth’s limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring. [SC.G.2.2.1]
- **Grades 6-8:** No applicable benchmark
- **Grades 9-12** – Benchmark: understands how genetic variation of offspring contributes to population control in an environment and that natural selection ensures that those who are best adapted to their surroundings survive to reproduce. [SC.G.2.4.3]

## **Subject Area: The Arts – Visual Arts**

### **Strand: Skills and Techniques**

**Standard 1:** The student understands and applies media, techniques, and processes.

- **Grades 3-5** and **Grades 6-8:** No applicable benchmarks
- **Grades 9-12** – Benchmark: uses two-dimensional and three-dimensional media, techniques, tools, and processes to communicate an idea or concept based on research, environment, personal experience, observation, or imagination. [VA.A.1.4.1]

### **Strand: Creation and Communication**

**Standard 1:** The student creates and communicates a range of subject matter, symbols, and ideas using knowledge of structures and functions of visual arts.

- **Grades 3-5** – Benchmark: uses the elements of art and the principles of design with sufficient manipulative skills, confidence, and sensitivity when communication ideas. [VA.B.1.2.4]
- **Grades 6-8** – Benchmark: knows how the qualities and characteristics of art media, techniques, and processes can be used to enhance communication of experiences and ideas. [VA.B.1.3.2]
- **Grades 9-12:** No applicable benchmark