

# Module 2 ~ A Fish Tale (MS/HS)

## Careers in Freshwater Environments

### DVD Presentation & Vocabulary



#### Sunshine State Standards

**Note:** Standards listed in *italics* are touched on briefly and can be fully developed by the teacher.

#### 4<sup>th</sup> Grade

- LA.4.1.5.1: TSW demonstrate the ability to read grade level text.
- LA.4.1.6.1: TSW use vocabulary that is introduced and taught directly.
- LA.4.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.
- LA.4.2.2.1: TSW locate, explain, and use information from text features (e.g., table of contents, glossary, headings, charts, graphs, diagrams, illustrations).
- LA.4.5.2.1: TSW listen to information presented orally and show an understanding of key points.
- SC.4.E.6.3: *TSW recognize that humans need resources found on Earth and that these are either renewable or nonrenewable.*
- SC.4.N.1.4: TSW recognize ways plants and animals, including humans, can impact the environment.
- SS.4.C.2.1: TSW discuss public issues in Florida that impact the daily lives of its citizens.
- SS.4.E.1.2: TSW explain Florida's role in the national and international economy and conditions that attract businesses to the state.

#### 5<sup>th</sup> Grade

- LA.5.1.5.1: TSW demonstrate the ability to read grade level text.
- LA.5.1.6.1: TSW use vocabulary that is introduced and taught directly.
- LA.5.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.
- LA.5.2.2.1: TSW locate, explain, and use information from text features (e.g., table of contents, glossary, index, transition words/phrases, headings, subheadings, charts, graphs, illustrations).
- LA.5.5.2.1: TSW listen and speak to gain and share information for a variety of purposes, including personal interviews, dramatic and poetic recitations, and formal presentations.

#### 6<sup>th</sup> Grade

- LA.6.1.6.1: TSW use vocabulary that is introduced and taught directly.
- LA.6.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.
- LA.6.5.2.1: TSW listen and gain information for a variety of purposes, (e.g., clarifying, elaborating, summarizing main ideas and supporting details).
- SC.6.E.6.2: *TSW recognize that there are a variety of different landforms on Earth's surface such as coastlines, dunes, rivers, mountains, glaciers, deltas, and lakes and relate these landforms as they apply to Florida.*
- SC.6.L.15.1: *TSW analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains.*
- SS.6.E.1.1: *TSW identify the factors (new resources, increased productivity, education, technology, slave economy, territorial expansion) that increase economic growth.*

#### 7<sup>th</sup> Grade

- LA.7.1.6.1: TSW use new vocabulary that is introduced and taught directly.
- LA.7.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.
- LA.7.5.2.1: TSW use effective listening strategies for informal and formal discussions, connecting to and building on the ideas of a previous speaker and respecting the viewpoints of others when identifying bias or faulty logic.
- SC.7.E.6.6: TSW identify the impact that humans have had on Earth, such as deforestation, urbanization, desertification, erosion, air and water quality, changing the flow of water.



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### 7<sup>th</sup> Grade (continued)

*SC.7.L.15.3: TSW explore the scientific theory of evolution by relating how the inability of a species to adapt within a changing environment may contribute to the extinction of that species.*

*SC.7.L.16.4: TSW recognize and explore the impact of biotechnology (cloning, genetic engineering, artificial selection) on the individual, society and the environment.*

*SC.7.L.17.1: TSW explain and illustrate the roles of and relationships among producers, consumers, and decomposers in the process of energy transfer in a food web.*

*SC.7.L.17.3: TSW describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites.*

*SC.7.N.1.5: TSW describe the methods used in the pursuit of a scientific explanation as seen in different fields of science such as biology, geology, and physics.*

### 8<sup>th</sup> Grade

LA.8.1.6.1: TSW use new vocabulary that is introduced and taught directly.

LA.8.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.

LA.8.5.2.1: TSW demonstrate effective listening skills and behaviors for a variety of purposes, and demonstrate understanding by paraphrasing and/or summarizing.

LA.8.5.2.2: TSW use effective listening and speaking strategies for informal and formal discussions, connecting to and building on the ideas of a previous speaker and respecting the viewpoints of others when identifying bias or faulty logic.

*SC.8.N.1.5: TSW analyze the methods used to develop a scientific explanation as seen in different fields of science.*

*SC.8.N.4.1: TSW explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.*

*SC.8.N.4.2: TSW explain how political, social, and economic concerns can affect science, and vice versa.*

SS.8.G.5.1: TSW describe human dependence on the physical environment and natural resources to satisfy basic needs in local environments in the United States.

SS.8.G.5.2: TSW describe the impact of human modifications on the physical environment and ecosystems of the United States throughout history.

### 9<sup>th</sup> - 12<sup>th</sup> Grades

LA.910.1.6.1: TSW use new vocabulary that is introduced and taught directly.

LA.1112.1.6.1: TSW use new vocabulary that is introduced and taught directly.

LA.910.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.

LA.1112.1.6.2: TSW listen to, read, and discuss familiar and conceptually challenging text.

LA.910.2.2.1: TSW analyze and evaluate information from text features (e.g., transitional devices, table of contents, glossary, index, bold or italicized text, headings, charts and graphs, illustrations, subheadings).

LA.1112.2.2.1: TSW analyze and evaluate information from text features (e.g., transitional devices, table of contents, glossary, index, bold or italicized text, headings, charts and graphs, illustrations, subheadings)

LA.910.5.2.1: TSW select and use appropriate listening strategies according to the intended purpose (e.g., solving problems, interpreting and evaluating the techniques and intent of a presentation).

LA.1112.5.2.1: TSW demonstrate effective listening skills and behaviors for a variety of purposes, and demonstrate understanding by critically evaluating and analyzing oral presentations.

SC.912.L.14.53: TSW discuss basic classification and characteristics of plants. Identify bryophytes, pteridophytes, gymnosperms, and angiosperms.



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**9<sup>th</sup> - 12<sup>th</sup> Grades (continued)**

SC.912.L.17.5: *TSW analyze how population size is determined by births, deaths, immigration, emigration, and limiting factors (biotic and abiotic) that determine carrying capacity.*

SC.912.L.17.7: *TSW characterize the biotic and abiotic components that define freshwater systems, marine systems and terrestrial systems.*

SC.912.L.17.8: *TSW recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, non-native species.*

SC.912.L.17.9: *TSW use a food web to identify and distinguish producers, consumers, and decomposers. Explain the pathway of energy transfer through trophic levels and the reduction of available energy at successive trophic levels.*

SC.912.L.17.14: *TSW assess the need for adequate waste management strategies.*

SC.912.L.17.16: TSW discuss the large-scale environmental impacts resulting from human activity, including waste spills, oil spills, runoff, greenhouse gases, ozone depletion, and surface and groundwater pollution.

SC.912.L.17.20: *TSW predict the impact of individuals on environmental systems and examine how human lifestyles affect sustainability.*

SC.912.N.4.1: *TSW explain how scientific knowledge and reasoning provide an empirically-based perspective to inform society's decision making.*



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