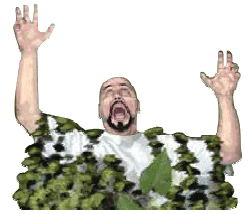


Module 1 ~ Silent Invaders

“Silent Invaders” Presentation (4th - 12th)



Sunshine State Standards

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

4th 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.4.2.2.2: TSW use information from the text to answer questions related to explicitly stated main ideas or relevant details.
- LA.4.5.2.1: TSW listen to information presented orally and show an understanding of key points.
- SC.4.E.6.6: TSW identify resources available in Florida (water, phosphate, oil, limestone, silicon, wind, and solar energy).
- 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.C.2.3: *TSW explain the importance of public service, voting, and volunteerism.*
- SS.4.E.1.2: *TSW explain Florida's role in the national and international economy and conditions that attract businesses to the state.*
- SS.4.G.1.1: TSW identify physical features of Florida.

5th 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.5.2.2.2: TSW use information from the text to answer questions related to explicitly stated main ideas or relevant details.
- 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.
- SC.5.L.15.1: TSW describe how, when the environment changes, differences between individuals allow some plants and animals to survive and reproduce while others die or move to new locations.
- SC.5.L.17.1: TSW compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles variations, animal behaviors and physical characteristics.
- SS.5.C.2.5: *TSW identify ways good citizens go beyond basic civic and political responsibilities to improve government and society.*
- SS.5.G.4.1: *TSW use geographic knowledge and skills when discussing current events.*

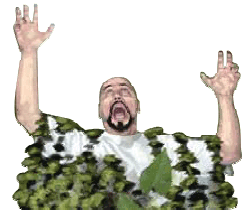
6th Grade

- 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.6.2.2.2: TSW use information from the text to answer questions related to the main idea or relevant details, maintaining chronological or logical order.
- 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).
- SS.6.G.1.4: TSW utilize tools geographers use to study the world.



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7th 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.7.2.2.2: TSW use information from the text to state the main idea and/or provide relevant details.
- 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.
- 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.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.17.2: TSW compare and contrast the relationships among organisms such as mutualism, predation, parasitism, competition, and commensalism.
- 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.
- SS.7.C.2.13: TSW examine multiple perspectives on public and current issues.

8th 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.8.2.2.2: TSW synthesize and use information from the text to state the main idea or provide relevant details.
- 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.
- 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.

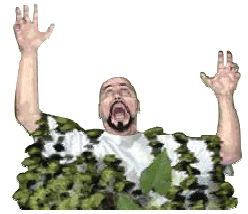
9th - 12th Grades

- 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.910.2.2.2: TSW use information from text to answer questions or state the main idea or provide relevant details.
- LA.1112.2.2.2: TSW use information from text to answer questions or state the main idea or provide relevant details.
- 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).



Module 1 ~ Silent Invaders

“Silent Invaders” Presentation (4th - 12th)



9th – 12th Grade, continued

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.

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.17.6: TSW compare and contrast the relationships among organisms, including predation, parasitism, competition, commensalism, and mutualism.

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.

SS.912.C.2.4: TSW evaluate, take, and defend positions on issues that cause the government to balance the interests of individuals with the public good.

SS.912.C.2.10: TSW monitor current public issues in Florida.

SS.912.C.2.11: TSW analyze public policy solutions or courses of action to resolve a local, state, or federal issue.

SS.912.G.5.3: TSW analyze case studies of the effects of human use of technology on the environment of places.

SS.912.G.5.4: TSW analyze case studies of how humans impact the diversity and productivity of ecosystems.

SS.912.G.5.5: TSW use geographic terms and tools to analyze case studies of policies and programs for resource use and management.

SS.912.G.5.6: TSW analyze case studies to predict how a change to an environmental factor can affect an ecosystem.



Florida Invasive Plant Education Initiative • <http://plants.ifas.ufl.edu/education>

A Collaboration of the UF/IFAS Center for Aquatic and Invasive Plants
and the Florida Fish and Wildlife Conservation Commission / Invasive Plant Management Section