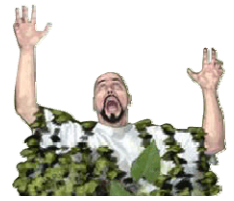


# Module 1 ~ Silent Invaders

## Summary of Sunshine State Standards (Grades 4 - 12)



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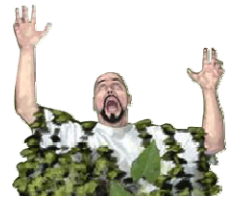
### 4<sup>th</sup> Grade

- 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.4.1.6.3: TSW use context clues to determine meanings of unfamiliar words.
- LA.4.1.7.3: TSW determine explicit ideas and information in grade-level text, including but not limited to main idea, relevant supporting details, implied message, inferences, chronological order of events, summarizing, and paraphrasing.
- 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.4.2.2.3: TSW organize information to show an understanding of main ideas within a text through charting, mapping, or summarizing
- LA.4.3.1.1: TSW prewrite by generating ideas from multiple sources (e.g., text, brainstorming, graphic organizer, drawing, writers notebook, group discussion) based upon teacher-directed topics and personal interests.
- LA.4.3.1.3: TSW prewrite by organizing ideas using strategies and tools (e.g., technology, graphic organizer, KWL chart, log) to make a plan for writing that prioritizes ideas and addresses the main idea and logical sequence.
- LA.4.3.2.1: TSW draft writing by using a prewriting plan to focus on the main idea with ample development of supporting details that shows an understanding of facts and/or opinions
- LA.4.3.3.4: TSW revise by applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).
- LA.4.3.5.1: TSW prepare writing using technology in a format appropriate to audience and purpose (e.g., manuscript, multimedia).
- LA.4.3.5.2: TSW use elements of spacing and design to enhance the appearance of the document and add graphics where appropriate.
- LA.4.4.2.1: TSW write in a variety of informational/expository forms (e.g., summaries, procedures, recipes, instructions, graphs/tables, experiments, rubrics, how-to manuals).
- LA.4.4.2.2: TSW record information (e.g., observations, notes, lists, charts, map labels, legends) related to a topic, including visual aids as appropriate.
- LA.4.5.2.1: TSW listen to information presented orally and show an understanding of key points.
- LA.4.6.2.1: TSW select a topic for inquiry, refine a predetermined search plan.
- LA.4.6.2.2: TSW apply evaluative criteria (e.g., readability, currency, accuracy) for selecting and using a variety of appropriate resources, gather and record information, noting the difference between opinions and fact.
- LA.4.6.4.1: TSW use appropriate available technologies to enhance communication and achieve a purpose (e.g., video, presentations).
- LA.4.6.4.2: TSW determine and use appropriate digital tools (e.g., word processing, multimedia authoring, web tools, graphic organizers) for publishing and presenting a topic.
- SC.4.E.6.6: TSW identify resources available in Florida (water, phosphate, oil, limestone, silicon, wind, and solar energy).
- SC.4.L.16.4: TSW compare and contrast the major stages in the life cycles of Florida plants and animals, such as those that undergo incomplete and complete metamorphosis, and flowering and nonflowering seed-bearing plants.
- 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.



# Module 1 ~ Silent Invaders

## Summary of Sunshine State Standards (Grades 4 - 12)



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### 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.5.1.6.3: TSW use context clues to determine meanings of unfamiliar words.

LA.5.1.7.3: TSW determine the main idea or essential message in grade-level text through inferring, paraphrasing, summarizing, and identifying relevant details.

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.5.2.2.3: TSW organize information to show understanding (e.g., representing main ideas within text through charting, mapping, paraphrasing, or summarizing).

LA.5.3.1.1: TSW generating ideas from multiple sources (e.g., text, brainstorming, graphic organizer, drawing, writer's notebook, group discussion, printed material) based upon teacher-directed topics and personal interests.

LA.5.3.1.3: TSW organizing ideas using strategies and tools (e.g., technology, graphic organizer, KWL chart, log).

LA.5.3.2.1: TSW using a prewriting plan to focus on the main idea with ample development of supporting details, elaborating on organized information using descriptive language, supporting details, and word choices appropriate to the selected tone and mood.

LA.5.3.3.4: TSW applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).

LA.5.3.5.1: TSW prepare writing using technology in a format appropriate to audience and purpose (e.g., manuscript, multimedia).

LA.5.3.5.2: TSW use elements of spacing and design to enhance the appearance of the document and add graphics where appropriate.

LA.5.4.2.1: TSW write in a variety of informational/expository forms (e.g., summaries, procedures, instructions, experiments, rubrics, how-to manuals, assembly instructions).

LA.5.4.2.2: TSW record information (e.g., observations, notes, lists, charts, map labels, legends) related to a topic, including visual aids to organize and record information on charts, data tables, maps and graphs, as appropriate.

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.

LA.5.5.2.2: TSW make formal oral presentations for a variety of purposes and occasions, demonstrating appropriate language choices, body language, eye contact and the use of gestures, the use of supporting graphics (charts, illustrations, images, props), and available technologies.

LA.5.6.2.1: TSW select a topic for inquiry, formulate a search plan, and apply evaluative criteria (e.g., usefulness, validity, currentness, objectivity) to select and use appropriate resources.

LA.5.6.2.2: TSW read and record information systematically, evaluating the validity and reliability of information in text by examining several sources of information.

LA.5.6.3.2: TSW use a variety of reliable media sources to gather information effectively and to transmit information to specific audiences.

LA.5.6.4.1: TSW select and use appropriate available technologies to enhance communication and achieve a purpose (e.g., video, presentations).

LA.5.6.4.2: TSW determine and use the appropriate digital tools (e.g., word processing, multimedia authoring, web tools, graphic organizers) for publishing and presenting a topic.

SC.5.L.14.2: TSW compare and contrast the function of organs and other physical structures of plants and animals, including humans, for example: some animals have skeletons for support -- some with internal skeletons others with exoskeletons -- while some plants have stems for support.



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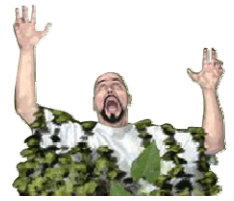


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# Module 1 ~ Silent Invaders

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

- SC..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.
- SC.5.N.1.6: TSW recognize and explain the difference between personal opinion/interpretation and verified observation.
- 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.
- SC.5.N.1.6: TSW recognize and explain the difference between personal opinion/interpretation and verified observation.
- SC.5.N.2.1: TSW recognize and explain that science is grounded in empirical observations that are testable; explanation must always be linked with evidence.
- 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.
- MA.5.S.7.1: TSW construct and analyze line graphs and double bar graphs.

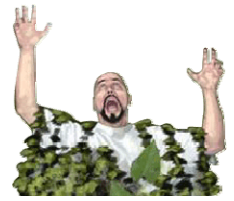
### 6<sup>th</sup> Grade

- 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.6.1.6.3: TSW use context clues to determine meanings of unfamiliar words.
- LA.6.1.7.3: TSW determine the main idea or essential message in grade-level text through inferring, paraphrasing, summarizing, and identifying relevant details.
- 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.6.2.2.3: TSW organize information to show understanding (e.g., representing main ideas within text through charting, mapping, paraphrasing, summarizing, or comparing/contrasting).
- LA.6.3.1.3: TSW prewrite by using organizational strategies and tools (e.g., technology, outline, chart, table, graph, web, story map).
- LA.6.3.2.1: TSW draft writing by developing main ideas from the prewriting plan using primary and secondary sources appropriate to purpose and audience
- LA.6.3.3.4: TSW revise by applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).
- LA.6.3.5.1: TSW prepare writing using technology in a format appropriate to audience and purpose (e.g., manuscript, multimedia).
- LA.6.3.5.2: TSW use elements of spacing and design for graphics (e.g., tables, drawings, charts, graphs) when applicable to enhance the appearance of the document.
- LA.6.3.5.3: TSW share the writing with the intended audience.
- LA.6.4.2.1: TSW write in a variety of informational/expository forms (e.g., summaries, procedures, instructions, experiments, rubrics, how-to manuals, assembly instructions).
- LA.6.4.2.2: TSW record information (e.g., observations, notes, lists, charts, map labels, legends) related to a topic, including visual aids as appropriate.
- 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).



# Module 1 ~ Silent Invaders

## Summary of Sunshine State Standards (Grades 4 - 12)



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

LA.6.6.4.1: TSW use appropriate available technologies to enhance communication and achieve a purpose (e.g., video, online).

LA.6.6.4.2: TSW determine and apply digital tools (e.g., word processing, multimedia authoring, web tools, graphic organizers) to publications and presentations.

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.

SC.6.N.1.4: TSW discuss, compare, and negotiate methods used, results obtained, and explanations among groups of students conducting the same investigation.

**SS.6.E.1.1: TSW identify the factors (new resources, increased productivity, education, technology, slave economy, territorial expansion) that increase economic growth.**

SS.6.G.1.4: TSW utilize tools geographers use to study the world.

MA.6.A.3.6: TSW construct and analyze tables, graphs and equations to describe linear functions and other simple relations using both common language and algebraic notation.

**MA.6.A.5.1: TSW use equivalent forms of fractions, decimals, and percents to solve problems.**

MA.6.S.6.1: TSW determine the measures of central tendency (mean, median, mode) and variability (range) for a given set of data.

### 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.7.1.6.3: TSW determine the main idea or essential message in grade-level or higher texts through inferring, paraphrasing, summarizing, and identifying relevant details.

LA.7.1.7.3: TSW determine the main idea or essential message in grade-level or higher texts through inferring, paraphrasing, summarizing, and identifying relevant details.

LA.7.2.2.2: TSW use information from the text to state the main idea and/or provide relevant details.

**LA.7.2.2.3: TSW organize information to show understanding (e.g., representing main ideas within text through charting, mapping, paraphrasing, summarizing, or comparing/contrasting).**

**LA.7.3.1.3: TSW prewrite by using organizational strategies and tools (e.g., technology, outline, chart, table, graph, Venn Diagram, web, story map, plot pyramid) to develop a personal organizational style.**

**LA.7.3.2.1: TSW draft writing by developing main ideas from the pre-writing plan using primary and secondary sources appropriate to the purpose and audience**

**LA.7.3.3.4: TSW revise by applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).**

LA.7.3.5.1: TSW prepare writing using technology in a format appropriate to audience and purpose (e.g., manuscript, multimedia).

LA.7.3.5.2: TSW use elements of spacing and design for graphics (e.g., tables, drawings, charts, graphs) when applicable to enhance the appearance of the document.

LA.7.3.5.3: TSW share the writing with the intended audience.

LA.7.4.2.1: TSW write in a variety of informational/expository forms (e.g., summaries, procedures, instructions, experiments, rubrics, how-to manuals, assembly instructions).

LA.7.4.2.2: TSW record information (e.g., observations, notes, lists, charts, legends) related to a topic, including visual aids to organize and record information, as appropriate, and attribute sources of information.

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.

LA.7.5.2.3: TSW organize and effectively deliver speeches to entertain, inform and persuade, demonstrating appropriate language choices, body language, eye contact, gestures, and the use of supporting graphics and technology.



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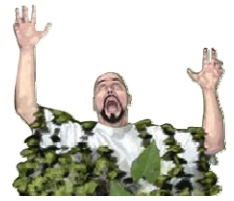


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### 7<sup>th</sup> Grade (continued)

- LA.7.6.2.1: TSW select a topic, develop a prioritized search plan, and apply evaluative criteria (e.g., relevance, objectivity, scope of content in print and online sources) to select appropriate resources for research.
- LA.7.6.2.2: TSW assess organize and check the validity and reliability of information in text, using a variety of techniques by examining several sources of information, including both primary and secondary sources.
- LA.7.6.4.1: TSW select and use appropriate available technologies (e.g., computer, digital camera) to enhance communication and achieve a purpose (e.g., video, presentations).
- LA.7.6.4.2: TSW evaluate and apply digital tools (e.g., word processing, multimedia authoring, web tools, graphic organizers) to publications and presentations.
- 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.
- SC.7.N.1.1: TSW define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
- SC.7.N.1.4: TSW identify test variables (independent variables) and outcome variables (dependent variables) in an experiment.
- SS.7.C.2.13: TSW examine multiple perspectives on public and current issues.
- SS.7.G.3.1: TSW use maps to identify natural resources in North America.

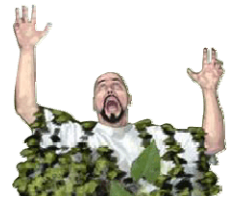
### 8<sup>th</sup> Grade

- 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.8.1.6.3: TSW use context clues to determine meanings of unfamiliar words.
- LA.8.1.7.3: TSW determine the main idea or essential message in grade-level or higher texts through inferring, paraphrasing, summarizing, and identifying relevant details.
- LA.8.2.2.2: TSW synthesize and use information from the text to state the main idea or provide relevant details.
- LA.8.2.2.3: TSW organize information to show understanding or relationships among facts, ideas, and events (e.g., representing key points within text through charting, mapping, paraphrasing, summarizing, or comparing/contrasting).
- LA.8.3.1.3: TSW prewrite by using organizational strategies and tools (e.g., technology, spreadsheet, outline, chart, table, graph, Venn Diagram, web, story map, plot pyramid) to develop a personal organizational style.
- LA.8.3.2.1: TSW draft writing by establishing a logical organizational pattern with supporting details that are substantial, specific, and relevant.
- LA.8.3.3.4: TSW revise by applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).
- LA.8.3.5.1: TSW prepare writing using technology in a format appropriate to audience and purpose (e.g., manuscript, multimedia).
- LA.8.3.5.2: TSW use elements of spacing and design for graphics (e.g., tables, drawings, charts, graphs) when applicable to enhance the appearance of the document.
- LA.8.3.5.3: TSW share the writing with the intended audience.
- LA.8.4.2.1: TSW write in a variety of informational/expository forms (e.g., summaries, procedures, instructions, experiments, rubrics, how-to manuals, assembly instructions).



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

LA.8.4.2.2: TSW record information (e.g., observations, notes, lists, charts, legends) related to a topic, including visual aids to organize and record information, as appropriate, and attribute sources of information.

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.

LA.8.5.2.4: TSW research, organize, and effectively deliver speeches to entertain, inform, and persuade.

LA.8.6.2.1: TSW select a topic and develop a search plan with multiple research strategies, and apply evaluative criteria (e.g., scope and depth of content, authority, reputation of author/publisher, objectivity, freedom from bias) to assess appropriateness of resources.

LA.8.6.2.2: TSW assess, organize, synthesize, and evaluate the validity and reliability of information in text, using a variety of techniques by examining several sources of information, including both primary and secondary sources.

LA.8.6.4.1: TSW use appropriate available technologies to enhance communication and achieve a purpose (e.g., video, digital technology).

LA.8.6.4.2: TSW evaluate and apply digital tools (e.g., word, processing, multimedia authoring, web tools, graphic organizers) to publications and presentations.

SC.8.N.1.6: TSW understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence. SS.8.A.1.2: TSW analyze charts, graphs, maps, photographs and timelines; analyze political cartoons; determine cause and effect.

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.

MA.8.A.1.3: TSW use tables, graphs, and models to represent, analyze, and solve real-world problems related to systems of linear equations.

### 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.910.1.7.3: TSW determine the main idea or essential message in grade-level or higher texts through inferring, paraphrasing, summarizing, and identifying relevant details.

LA.1112.1.7.3: TSW determine the main idea or essential message in grade-level or higher texts through inferring, paraphrasing, summarizing, and identifying relevant details and facts.

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 the text to answer questions or to state the main idea or provide relevant details.

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

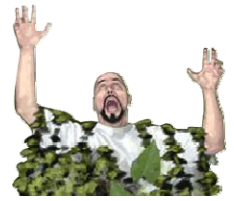
LA.910.2.2.3: TSW organize information to show understanding or relationships among facts, ideas, and events (e.g., representing key points within text through charting, mapping, paraphrasing, summarizing, comparing, contrasting, or outlining).



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

LA.1112.2.3: TSW organize information to show understanding or relationships among facts, ideas, and events (e.g., representing key points within text through charting, mapping, paraphrasing, summarizing, comparing, contrasting, outlining).

LA.910.3.1.1: TSW prewrite by generating ideas from multiple sources (e.g., brainstorming, notes, journals, discussion, research materials or other reliable sources) based upon teacher-directed topics and personal interests.

LA.1112.3.1.1: TSW prewrite by generating ideas from multiple sources (e.g., brainstorming, notes, journals, discussion, research materials or other reliable sources) based upon teacher-directed topics and personal interests.

LA.910.3.1.3: TSW prewrite by using organizational strategies and tools (e.g., technology, spreadsheet, outline, chart, table, graph, Venn Diagram, web, story map, plot pyramid) to develop a personal organizational style.

LA.1112.3.1.3: TSW prewrite by using organizational strategies and tools (e.g., technology, spreadsheet, outline, chart, table, graph, Venn Diagram, web, story map, plot pyramid) to develop a personal organizational style.

LA.910.3.2.1: TSW draft writing by developing ideas from the prewriting plan using primary and secondary sources appropriate to the purpose and audience.

LA.1112.3.2.1: TSW draft writing by developing ideas from the prewriting plan using primary and secondary sources appropriate to the purpose and audience.

LA.910.3.3.4: TSW revise by applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).

LA.1112.3.3.4: TSW revise by applying appropriate tools or strategies to evaluate and refine the draft (e.g., peer review, checklists, rubrics).

LA.910.3.5.1: TSW prepare writing using technology in a format appropriate to the purpose (e.g., for display, multimedia).

LA.1112.3.5.1: TSW prepare writing using technology in a format appropriate to the purpose (e.g., for display, multimedia).

LA.910.3.5.2: TSW include such techniques as principle of design (e.g., margins, tabs, spacing, columns) and graphics (e.g., drawings, charts, graphs).

LA.1112.3.5.2: TSW include such techniques as principle of design (e.g., margins, tabs, spacing, and columns) and graphics (e.g., drawings, charts, graphs).

LA.910.3.5.3: TSW share writing with others, or submitting for publication.

LA.1112.3.5.3: TSW share writing with others, or submitting for publication.

LA.910.4.2.1: TSW write in a variety of informational/expository forms, including a variety of technical documents (e.g., how-to-manuals, procedures, assembly directions).

LA.1112.4.2.1: TSW write in a variety of informational/expository forms, including documents using precise technical and scientific vocabulary (e.g., manuals, procedures, directions).

LA.910.4.2.2: TSW record information and ideas from primary and/or secondary sources accurately and coherently, noting the validity and reliability of these sources and attributing sources of information.

LA.1112.4.2.2: TSW record information and ideas from primary and/or secondary sources accurately and coherently, noting the validity and reliability of these sources and attributing sources of information.

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.

LA.910.5.2.2: TSW research and organize information for oral communication appropriate for the occasion, audience, and purpose (e.g., class discussions, entertaining, informative, persuasive, or technical presentations).

LA.1112.5.2.3: TSW use research and visual aids to deliver oral presentations that inform, persuade, or entertain, and evaluates ones own and others oral presentations according to designed rubric criteria.

LA.910.6.4.1: TSW use appropriate available technologies to enhance communication and achieve a purpose (e.g., video, digital technology).

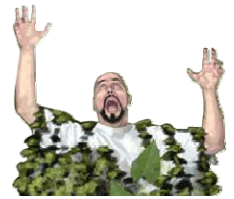


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A Collaboration of the UF/IFAS Center for Aquatic and Invasive Plants  
and the Florida Fish and Wildlife Conservation Commission / Invasive Plant Management Section

## Module 1 ~ Silent Invaders

### Summary of Sunshine State Standards (Grades 4 - 12)



This is a summary of all the linked standards for Module 1. See the individual activities for the specific linked standards. Note: Standards in **black** font are explicitly addressed by the various activities. Those in **blue** are touched on briefly and can be more fully developed by the teacher.

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

LA.1112.6.4.1: TSW select and use appropriate available technologies (e.g., computer, digital camera) to enhance communication and achieve a purpose (e.g., video, presentations).

LA.910.6.4.2: TSW routinely use digital tools for publication, communication and productivity.

LA.1112.6.4.2: TSW routinely use digital tools for publication, communication and productivity.

SC.912.L.14.7: TSW relate the structure of each of the major plant organs and tissues to physiological processes.

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

SC.912.L.17.2: TSW explain the general distribution of life in aquatic systems as a function of chemistry, geography, light, depth, salinity, and temperature.

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

SC.912.N.1.1: TSW define a problem based on a specific body of knowledge, for example: biology, chemistry, physics, and earth/space science, and do the following: 1. pose questions about the natural world, 2. conduct systematic observations, 3. examine books and other sources of information to see what is already known, 4. review what is known in light of empirical evidence, 5. plan investigations, use tools to gather, analyze, and interpret data (this includes the use of measurement in metric and other systems, and also the generation and interpretation of graphical representations of data, including data tables and graphs), 7. pose answers, explanations, or descriptions of events, 8. generate explanations that explicate or describe natural phenomena (inferences), 9. use appropriate evidence and reasoning to justify these explanations to others, 10. communicate results of scientific investigations, and 11. evaluate the merits of the explanations produced by others.

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.

MA.912.A.2.1: TSW create a graph to represent a real-world situation.

MA.912.S.3.2: TSW collect, organize, and analyze data sets, determine the best format for the data and present visual summaries.

MA.912.S.3.3: TSW calculate and interpret measures of the center of a set of data, including mean, median, and weighted mean, and use these measures to make comparisons among sets of data.

