

## Module 1 ~ Silent Invaders

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Watch Now: [Silent Invaders!](#) ~ [A Fish Tale](#) ~ [Why Manage?](#) ~ [Viva la Difference!](#)

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### Module 1 Introductory Materials

- **READ FIRST: Silent Invaders Module Guide** [UE / MS / HS](#) (PDF 700 KB)
- [Silent Invaders Presentation - Sunshine State Standards](#)
- [Module 1 Sunshine State Standards](#) -- Listed by Activity
- [Keywords Chart and Definitions](#)
- [Guiding Questions \(Note to Teachers\)](#) [UE, MS / HS](#)
- [Guiding Questions \(Answer Key\)](#) [UE, MS / HS](#)
- "Silent Invaders" Presentation Talking Points (PDF 149 KB) [UE / MS / HS](#)
- ATTN: Classroom sets of these activities & resources available: [caip-education@ufl.edu](mailto:caip-education@ufl.edu)

### Lessons and Activities

#### Part 1 - Have You Seen Your Backyard Lately?

- [Activity Book: Understanding Invasive Aquatic Weeds](#) [UE / MS / HS](#) (PDF 1.5 MB)  
[SSS](#) [Online Interactive Booklet](#) [Questions](#) [Answer Key w/SSS](#)
- [Classroom Discussion Activity - with FREE PHOTO MURALS FOR TEACHERS](#) and [TEACHING POINTS about native and non-native invasive plants in Florida](#) (PDF 3.5 MB)
- [Freshwater Plants Jigsaw Puzzle Activities](#) ▼
  - Classroom set of 6 puzzles and hand magnifiers available upon

- request: [caip-education@ufl.edu](mailto:caip-education@ufl.edu)
- o Freshwater Plants Jigsaw Puzzle Activities - Teacher Guide with SSS [pdf](#)
- o Freshwater Plants Jigsaw Puzzle Illustration (8.5" x 11") [jpeg \(500 KB\)](#)
- o Freshwater Plants Jigsaw Puzzle - Plants List & Answer Key (8.5" x 11") [pdf](#)
- o Freshwater Plant Habitats (8.5" x 11") (8.5" x 14")
- o **Steps 1 & 2** - Plant Terminology Match Up ([UE / Answer Key](#)), ([MS / Answer Key](#))
- o **Step 3** - Observation Chart [UE / MS](#)
- o **Step 4** - What am I? [UE / MS](#)
- Optional Resources for Freshwater Plants Jigsaw Puzzle Activities ▼
  - o Freshwater Plant Habitats - Checklist ([PDF 94 KB](#))
  - o Freshwater Plants of the Southeastern United States - Recognition Guide (8.5" x 14")
    - o Emerged Plants ([PDF 3.5 MB](#))
    - o Grass-like Plants ([PDF 3.5 MB](#))
    - o Floating and Floating-Leaved Plants ([PDF 3.5 MB](#))
    - o Submersed Plants ([PDF 3.5 MB](#))
- Reading Activities ▼
  - o Native Plants [MS \(Answer Key\)](#) [HS \(Answer Key\)](#)
  - o Non-Native Plants [MS/HS \(Answer Key\)](#)
  - o Invasive Plants [MS/HS \(Answer Key\)](#)
- Silent Invaders Crossword Puzzle [MS / HS](#)

**Part 2 - A Closer Look: Identify and Classify Native, Non-Native and Invasive Plants**

Freshwater Plants Concept Maps

- Freshwater Plants Concept Map - TEACHER NOTES (PDF 93 KB) [UE / MS / HS](#)
  - o Freshwater Plants Concept Map - BLANK (PDF 85 KB) [UE / MS / HS](#)
  - o Freshwater Plants Concept Map - SAMPLE (PDF 84 KB) [UE / MS / HS](#)

Classification of Aquatic Plants with KWL

- Classify Aquatic Plants -- Teacher [UE / MS](#)
- KWL blank 2009 [UE / MS / HS](#) ▼
  - o KWL sample 2009 [UE / MS / HS](#)
- o Florida Plant Research Activity [MS / HS](#) and Data Chart ([PDF 58 KB](#))

Reading Activities

- Emerged Plants Reading Activity [UE/MS](#) (Answer Key [UE/MS](#))
- [MS/HS](#) (Answer Key [MS/HS](#))
  - o Floating-leaved Plants Reading Activity [UE/MS](#) (Answer Key [UE/MS](#)) [MS/HS](#) (Answer Key [MS/HS](#))
  - o Free-floating Plants Reading Activity [UE/MS](#) (Answer Key [UE/MS](#)) [MS/HS](#) (Answer Key [MS/HS](#))
  - o Submersed Plants Reading Activity [UE/MS](#) (Answer Key [UE/MS](#)) [MS/HS](#) (Answer Key [MS/HS](#))

Silent Invaders Word Search - (PDF 331 KB) [MS / HS](#)

Freshwater Plant BINGO!

- Download and print these files or request a classroom BINGO packet: [caip-education@ufl.edu](mailto:caip-education@ufl.edu)
- Freshwater Plant BINGO! - TEACHER Notes ([PDF 172 KB](#))
  - o Freshwater Plant BINGO! Cards 8.5" x 11" (#1 -- 50)
  - o 84 Botanical Line Illustrations (8.5" X 11")
  - o
  - o

- Freshwater Plant BINGO! -- Illustration checklist ([PDF 128 KB](#))
- Order 300 green BINGO chips / 300 red chips. *Another option: laminate BINGO cards and have students use dry erase pens to mark their squares.*
- Freshwater Plant Habitat Checklist PDF (94 KB)
- Freshwater Plants of the SE United States / Recognition Guide (8.5" x 14")
  - (Note: Classroom sets of 15 printed copies available: [caip-education@ufl.edu](mailto:caip-education@ufl.edu))
  - EMERSED (PDF 672 KB)
  - GRASS-LIKE (PDF 664 KB)
  - FLOATING (PDF 550 KB)
  - SUBMERSED (PDF 661 KB)
- Freshwater Plant Habitats (classroom set of 15) -- 8.5" X 14" with color illustrations/definitions of emersed, free-floating, floating-leaved, and submersed plants - [PDF \(590 KB\)](#)
- Illustrated Glossary of [Leaf Shapes](#) (PDF 816 KB) and [Flower Parts](#) (PDF 292 KB).

### Module 1 Lab Activities ▼

- Aquatic Plants in the Classroom ([PDF 211 KB](#))
- Classroom magnifier sets available [upon request](#).
- Gross Plant Anatomy Inquiry Lab ▼
  - Gross Plant Anatomy: An Inquiry Lab (Teacher Guide) [MS/HS](#)
  - Artificial Plant Kit Cheat Sheet - [PDF \(513 KB\)](#)
  - Artificial Plant Kit List Answer Key - [PDF \(60 KB\)](#)
  - Freshwater Plant Habitats [PDF \(590 KB\)](#)
  - Freshwater Plant Habitats - Checklist [PDF \(94 KB\)](#)
  - Freshwater Plants of the Southeast United States / Recognition Guide (8.5" x 14")
    - EMERSED ([PDF 672 KB](#))
    - GRASS-LIKE ([PDF 664 KB](#))
    - FLOATING ([PDF 550 KB](#))
    - SUBMERSED ([PDF 661 KB](#))
- MAGNIFY IT! UE MS HS

### Additional Materials & Resources ▼

- [Aquatic Plants in the Classroom](#) ([PDF 211 KB](#))
- [Florida's Native Plants](#) - Includes information about [emersed](#), [floating and floating-leaved](#), and [submersed](#) plants
- [Other ways to classify plants](#): a photo gallery of plants in Florida, displayed as "plant types": floating, ferns, trees, shrubs, grasses, etc.
- [Learn the difference between native, non-native and invasive plants](#)
- [Non-Native Invasive Aquatic, Wetland and Upland Plants in the United States, with map](#)
- [Why Should We Care?](#)
- [What Can We Do?](#)
- [What is it Services?](#)
- [Their Plants Invade Here; Our Plants Invade There](#)
- [Aquatic Macrophytes \(plants\)](#)
- [Featured Native Plants](#): [American lotus](#), [duck potato](#), [pickerel weed](#), [tape grass \(eel grass\)](#)
- [Featured Non-native Invasive Plants](#): [hydrilla](#), [torpedo grass](#), [water hyacinth](#), [water lettuce](#), [wild taro](#)