A Webinar for KAB Affiliates of Florida

- FL DOE initiatives: STEM & CPALMS for non-formal educators
- Service learning opportunities on public lands
- Florida Green School Network & Awards

Opportunities and Resources for Environmental Education in Florida

Sept. 3, 2015
10:30 am - 12 pm
GoToMeeting
Agenda
1. Housekeeping Items
2. Welcome/KFB Update
3. STEM and CPALMs
4. Public Land Volunteers
5. Green Schools
6. Moving Forward
WELCOME & UPDATE: MARY JEAN YON
STEM AND CPALMS:
JONATHAN KEENER FDOE
STEM/CPALMS: About

- STEM and DOE
- CPALMS a resource for educators

STEM = Science, Technology, Engineering and Mathematics
CPALMS = Curriculum Planning and Learning Management System
Standards:
Course Descriptions

M/J STEM Environmental Science (#2002200)

More Information

Section: Grades PreK to 12 Education Courses
Grade: Grades 6 to 8 Education Courses
Subject: Science
Sub-Subject: General

Introduction to Environmental Technology (#8913010)

More Information

Section: Career and Technical Education
Program: Water Resources Technology (8916000)
Program Version: Water Resources Technology

Environmental Science (#2001340)

More Information

Section: Grades PreK to 12 Education Courses
Grade: Grades 9 to 12 and Adult Education Courses
Subject: Science
Sub-Subject: Environmental
Program Version: Public

Advanced Placement Environmental Science (#2001380)

More Information

Section: Grades PreK to 12 Education Courses
Grade: Grades 9 to 12 and Adult Education Courses
Subject: Science
Sub-Subject: Environmental Science
Environmental Awareness: How are Humans...

In this lesson, students will examine different...

Primary Resource Type: Lesson Plan

Subject(s): Social Studies, English Language Arts

Grade Level(s): 9, 10, 11, 12

Intended Audience: Educators

Collection: CPALMS Lesson Plan Development Initiative

More Information

Citizen Science

In this National Science Foundation video and...

Primary Resource Type: Video/Audio/Animation

Subject(s): Science

Grade Level(s): 9, 10, 11, 12

Intended Audience: Educators, Students

Collection: BIOSCOPES General

More Information

Negative Impacts of Oil Spills

Learn how the Woods Hole Oceanographic...

Primary Resource Type: Perspectives Video: Expert

Subject(s): Science

Grade Level(s): 9, 10, 11, 12

Intended Audience: Educators, Students, Parents

Collection: CPALMS Perspectives Videos - General

More Information
Organizations aligned to Florida Standards:

- Navy ROV program
- Army eCybermission
- Envirothon
- WeatherSTEM
- Greening STEM
- Earth Rangers
1. Search Standards - “environment”
### 2. View Standards

#### SC.912.E.6.6

**Analyze past, present, and potential future consequences to the...**

**More Information**

**Content Complexity:** Level 3: Strategic Thinking & Complex Reasoning

**Date Adopted/Revised:** 02/08

**Belongs to:** Earth Structures

#### HE.912.C.1.3

**Evaluate how environment and personal health are interrelated.**

**More Information**

**Content Complexity:** N/A

**Date Adopted/Revised:** 12/08

**Belongs to:** Comprehend concepts related to health...

#### PE.912.C.2.9

**Explain the precautions to be taken when exercising in extreme weather and/or environmental conditions.**

**More Information**

**Content Complexity:** N/A

**Date Adopted/Revised:** 02/14

**Belongs to:** Identify, analyze and evaluate movement...
3. Click on the standard for more information.

SC.912.E.6.6

Analyze past, present, and potential future consequences to the environment resulting from various energy production technologies.

**Subject Area:** Science

**Body of Knowledge:** Earth and Space Science

**Standard:** Earth Structures - The scientific theory of plate tectonics provides the framework for much of modern geology. Over geologic time, internal and external sources of energy have continuously altered the features of Earth by means of both constructive and destructive forces. All life, including human civilization, is dependent on Earth’s internal and external energy and material resources.

**Content Complexity Rating:** Level 3: Strategic Thinking & Complex Reasoning - More Information

**Status:** State Board Approved

**Grade:** 912

**Date Adopted or Revised:** 02/08

**Date of Last Rating:** 05/08
4. Align your resources to state standards
Dr. JP Keener
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VOLUNTEER & CITIZEN SCIENCE
SHARON TATEM (FWC)
FWC: About

- Conservation Areas
- Volunteer Programs
- Group Volunteers
• Citizen Science
• Invasive Removal/Native Planting Workdays
• Derelict Trap Removal Program
• Monofilament Recycling
1. Visit the website
2. Contact Reg’l. Coordinator
3. Identify site needs
Sharon Tatem
FWC Volunteer Program Manager
Sharon.Tatem@MyFWC.com
Tallahassee (850) 921-1047

Region Volunteer Coordinators:

- **Jess Rodriguez** – Northeast
  Jess.Rodriguez@MyFWC.com
  Ocala (352) 732-1225

- **Brendan O’Connor** – Southwest
  Brendan.OConnor@MyFWC.com
  Lakeland (863) 648-3829

- **Ashley Taylor** – South
  Ashley.Taylor@MyFWC.com
  West Palm (561) 882-5716
GREEN SCHOOL INITIATIVES: DON WHITEHEAD FL DOE
Green Schools: About

• Partners

• Awards
  – Local: Palm Beach
  – State: FGSA
  – Nat’l: Green Ribbon

• Resources
  – Website
  – Technical Support
Green Schools: Examples

- Service Projects
- Schoolyard Improvements
- Healthy Schools
Green Schools: Get-Started

- Visit the website
- Review the applications
- Contact the coordinator
- Reach out to local schools
Green Schools: Questions

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“How can we build on our unique strengths, local experience, and shared interests to reach our common goal?

Greg Ira
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Thank you for joining.

Keep Florida Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE