ACTION PLAN TEMPLATE

Teacher(s): Lisa Baig & Meghan Hess Shamdasani

Grade(s): 9-12 (but adaptable to K-8 as well)

Subject(s): Environmental science, Biological science

Title of Lesson: "On the High Manatee!"

Learning Objectives:
Students will independently recognize situations of unsustainable natural resource use. Further, they will communicate the base knowledge of this content area to other students.

Standards Addressed:

LAFS.1112. RST.3.9 - Synthesize information from a range of sources into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.

LAFS.1112. RH.1.1 - Cite specific textual evidence to support analysis of primary and secondary sources, connecting insights gained from specific details to an understanding of the text as a whole.

Lesson Outline:
1. Introduce concept of sustainable and unsustainable resource use.
2. Give all students a paper cut-out Manatee.
3. Over a given period of time (day, week, unit, etc) students must find a real life example of unsustainable resource use in their neighborhood and community. - Take photo!
4. Students must bring color photograph and paper describing type of use, and large impact by set due date.
5. Collection of work and/or share with class.

(K-8 mod - shorter writing, less complex)
Systems thinking connection (learning habits and/or tools used):
- Critical thinking
- Cause & Effect
- Application of content
- Digital literacy
- Written communication skills
- Research Skills
- Citations
- Verbal communication skills

Learning Strategies:
- Extension of class content
- Multiple learning modality opportunities
- Use of research to deepen and enhance student knowledge

Science Concept(s):
- Water resources
- Soil resources
- Air resources
- Human Impacts
- Agriculture
- Climate Change
- Pollution

Humanities Concept(s):
- Urban land use
- Rural land use
- Environmental Policy
- Local regulations
- Ethics
- Local History

Student Assessment Strategies:
- Photograph: Manatee must be present. Example shown in a real case, applying concepts from course.
- Paper: 750-1000 words detailing background information about how this has further implications on the larger system. Paper must have proper citations and annotations.

Benefit to my students:
- Real world extension
- Potential future awareness

Resources and Materials (supplies needed for activities):
- Provided by instructor
- Paper
- Manatee
- Rubric or outline
- Student or teacher provided
- Camera
- Computers
- Research sources
- Paper

- over -