

NASA NICE Workshop – Wrap up Activity

2012 Elizabeth City State University

Produce 1 to 2 page document that describes your initial plan for using the workshop tools and datasets you have experienced over the last week.

Include in your plan ...

- Which course(s) you will include workshop tools and materials
 - o **MA 132 Concepts of Mathematics II**
 - o **MA 451 Senior Project**

- When will this most likely be implemented Fall 2012, Spring 2013, Summer 2013
 - o **MA 132—Spring 2013**
 - o **MA 451—Fall 2012**

- Describe the type of students that typically take the course, and be sure to include the approximate number of students that are pre-service teachers
 - o **MA 132—Spring 2013**
 - **Students enrolled in this course are typically Sophomore and Junior Elementary Education majors. A typical course may approximately twenty (20) pre-service teachers enrolled.**
 - o **MA 451—Fall 2012**
 - **Students enrolled in this course are Senior Math and Math Ed majors. A typical course may have approximately three (3) pre-service teachers enrolled.**

- Describe the overall learning objectives for the lesson plan or unit that will include the workshop tools and datasets
 - o **MA 132—Spring 2013 & MA 451—Fall 2012**
Students will be able to demonstrate an understanding of concepts and practices related to data analysis, statistics, and probability by communicating their mathematical thinking orally and in writing to peers, faculty and others.

- Describe any learning objectives as they specifically relate to climate education (you must have at least one climate education learning objective)
 - o **MA 132—Spring 2013**
Students will be able to interpret data.
Climate education: Students will be able to interpret and understand satellite images of ocean temperature and chlorophyll.
 - o **MA 451—Fall 2012**

- - **The students will be able to measure the greenness index by using picture post and analyzing digital images to measure seasonal changes in vegetation.**

- Identify what specific climate education module(s) from this workshop you intend to use, and whether you plan to use the total module or customize it for your specific needs.
 - **MA 132—Spring 2013**
 - **Seasonal Cycles Module with customizations**
 - **MA 451—Fall 2012**
 - **Terrestrial Module with customizations**

- In no more than one page, share your current thoughts on what you will use and how.
 - **MA 132—Spring 2013----**
 - **Lab assignment/Group presentation**
 - **MA 451—Fall 2012**
 - **Senior Project extension/PowerPoint presentation**

- Identify any big challenges or obstacles that immediately come to mind in your implementation?
 - **None**

- Describe how you plan to determine (assess) if the climate education module(s) you use was effective at reaching the overall learning objectives, and specific climate education objectives
 - **MA 132—Spring 2013**
 - **NCATE APPROVED PRE-DEFINED RUBRIC WITH REVISIONS INCLUDING CLIMATE EDUCATION OBJECTIVES**
 - **MA 451—Fall 2012**
 - **DEPARTMENTMENTAL PRESENTATION RUBRIC WITH REVISIONS INCLUDING CLIMATE EDUCATION OBJECTIVES**