

## ED MEDIA CORE PROJECT

This project will be the basis for all media applications used throughout the course. You will be implementing various media strategies to improve your teaching and enhance your students' learning. You will have specific guidelines to follow; however, you will have an opportunity to be creative as to how you meet the criteria for each application.

Elementary majors-This project is based on four units of your choice in each of the following units: reading/language arts, science, social studies, and math.

Secondary Majors-This project is based on four units of your choice in your major.

### PART 1

For the first part of this project, you should use Inspiration to identify the subject area, unit, and topics you will use.

### Elementary

#### **Social Studies:**

- ❖ Geography: regions of the states, physical topography, map skills, states/capitals/abbreviations, community helpers
- ❖ American History Louis and Clark-Louisiana Purchase, Westward Expansion, Sacajawea
- ❖ Early Explorers-Columbus, Magellan, Gulliver
- ❖ Civil War-Slavery, underground railroad, Lincoln

**Science: Go to the following link for the Kindergarten through grade 12 national science content standards:**

<http://www.nap.edu/readingroom/books/nses/overview.html#content>

- ❖ Physical Science: properties of objects, positions and motions of objects, light, heat, magnetism, electricity
- ❖ Life Science: characteristics of organisms, life cycles, organisms in the environment
- ❖ Earth & Space Science: properties of earth materials, objects in the sky, changes in earth and sky
- ❖ Science and Technology: distinguish between natural and man-made objects, understanding about science and technology
- ❖ Science in Personal and Social Perspectives: personal health, changes in populations, types of resources
- ❖ History and Nature of Science: history of science, significant scientists
- ❖ Science as Inquiry: abilities needed to do inquiry, understanding the inquiry process

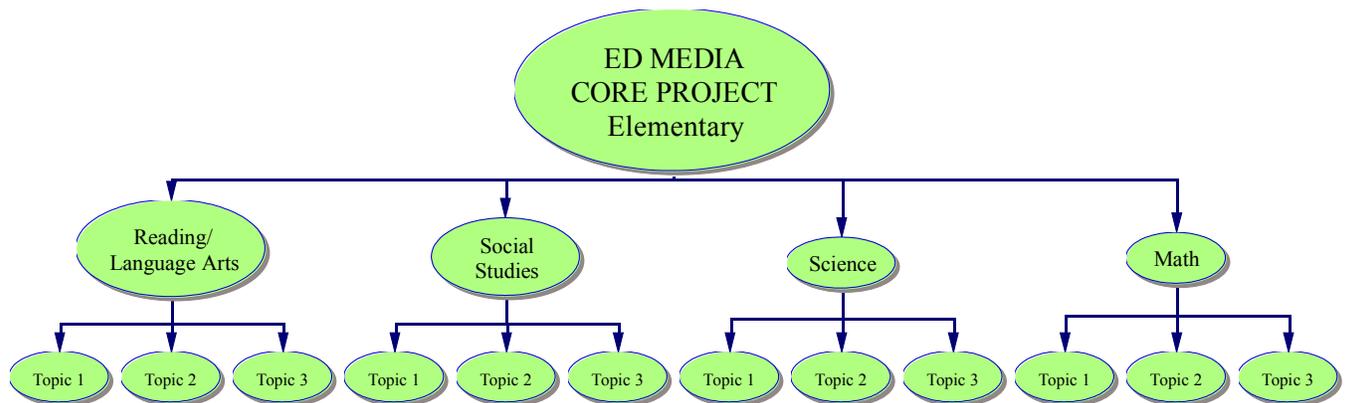
**Math: Pre-kindergarten through grade 12 focus on the following five standards in the units. Go to following link for more detailed information regarding the standards:**

<http://standards.nctm.org/document/chapter3/numb.htm>

- ❖ Numbers & Operations: quilts, sports, recipes, abacus, Mayan math, simple machines
- ❖ Algebra: functions, relationship among variables, graphing, simple machines
- ❖ Geometry: shapes in nature, quilts, sports (spinners)
- ❖ Measurement: human body proportions, recipes, owl pellets, simple machines
- ❖ Data Analysis & Probability: stock market, sports, eye color, weather/temperature, simple machines

**Reading/Language Arts:**

- ❖ Writing-sentences, paragraphs, narrative (journal writing)
- ❖ Language Arts-Communication-Idioms, homophones, antonyms, & synonyms
- ❖ Reading-Genres-fables, fairy tales, tall tales, biographies, nonfiction/fiction
- ❖ Reading-Skills-Meanings of root words, prefixes, suffixes



## Secondary

### **Social Studies**

- ❖ Historical Periods
- ❖ Political events
- ❖ Human rights
- ❖ Exploration
- ❖ Inventions
- ❖ Influential people, or literature, music, & art

### **PE:**

- ❖ Health: Nutrition- Eating Disorders, Healthy lifestyle choices, sex education, mental health
- ❖ PE/Health/Sciences-Systems: digestive, circulatory, endocrine

### **Science: Go to the following link for the Kindergarten through grade 12 national science content standards:**

<http://www.nap.edu/readingroom/books/nse/overview.html#content>

- ❖ Physical Science: structures of atoms, chemical reactions, motion and forces, conservation of energy, interactions of energy and matter
- ❖ Life Science: matter, energy, and organization in living systems, the cell, molecular bases of heredity, interdependence of organisms, biological evolution
- ❖ Earth & Space Science: energy in the earth system, geochemical cycles, origin and evolution of the earth, origin and evolution of the universe
- ❖ Science and Technology: develop abilities to identify a problem, develop abilities to state a problem, develop abilities to design a solution, understanding about science, understanding about technology
- ❖ Science in Personal and Social Perspectives: personal and community health, population growth, environmental quality, natural and human induced hazards, science and technology in local, national, and global arenas
- ❖ History and Nature of Science: science as a human endeavor, historical perspectives, science as an ongoing, changing enterprise, role of science in the development of various cultures
- ❖ Science as Inquiry: abilities needed to do inquiry, understanding the inquiry process

### **Math: Pre-kindergarten through grade 12 focus on the following five standards in the units. Go to following link for more detailed information regarding the standards:**

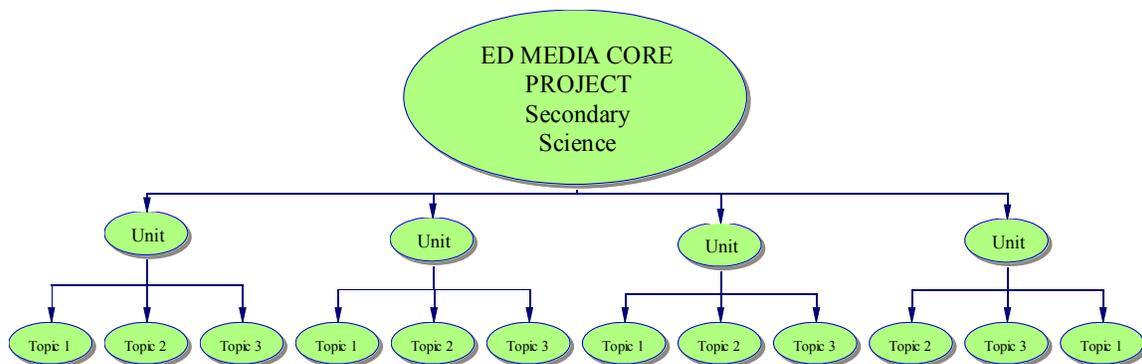
<http://standards.nctm.org/document/chapter3/numb.htm>

- ❖ Number and Operations: computational algorithms and fluency, functions and relations, exponents, estimation

- ❖ Algebra: vectors, matrices, number theory, complex numbers, logarithms, periodic functions, rates of change
- ❖ Geometry: deductive reasoning, trigonometry, polar coordinates, transformations, two and three dimensional geometric objects
- ❖ Measurement: scales, precision, accuracy, surface area, volume
- ❖ Data Analysis and Probability: random variables, distributions, normal curve

### Reading/Language Arts

- ❖ Language Arts/Writing: Expository, Narrative, Persuasive, Biography
- ❖ Language Arts/Literature: Classics- Macbeth, Huckleberry Finn, Great Gatsby
- ❖ Language Arts/Literature: Literary concepts- figurative language, symbolism, theme, imagery, point of view



### PART 2

For the second part of this project, you are required to write an objective for each topic (including the ABCDs) for a total of 3 objectives per unit/curriculum area equally 12 total objectives. These objectives can be broad and will be the building blocks for the creation of your more detailed final units. You should type these using a word processor and have them properly organized.

**\*IMPORTANT, PLEASE READ:** If you submit any work in this course that is returned to you for improper spelling, grammar, and/or punctuation, the highest grade you can earn is a C. In order to any points for the assignments, you must correct your work and resubmit it by the next class session.

Scoring Guidelines  
Parts 1 and 2

ITEM	Points Possible	Points Earned
Title	1	
4 links from title	4	
3 topics for each area	4	
12 objectives (1 point for each – all parts or no points)	12	
Bonus Points given for enhancement (up to 2 points per different enhancement)		
Total Points	21	