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U.S.I.C.A. Course Outline/Syllabus

Grade/Course: EARTH SPACE SCIENCE 200310

Grade Level: 10THHigh School

A)TEXT BOOK: Earth Science (Prentice Hall Science Explorer) [Hardcover]

PRENTICE HALL (Author)

ISBN-10: 0130626449 | ISBN-13: 978-0130626448

Order No.: 1	Code: EAS2001	Class Type: Online
Resources: Text book Teacher works CD Teacher interactive online Links Sky Conference	Length: 1 year	Instructional Supports: Textbook, Magazines, Journals, Websites Links, Conference, Comprehensive Reading Plan, National Science Foundation, Discovery Channel, PBS Public Television
Area: Science	Credits: 1	Total Numbers of class hours: 300 hrs
Type: Mandatory	Standards: Florida Sunshine State Standards	Prerequisite: Students must have successfully passed a Science class in middle/high school.

B) Description:

This one-year course of emphasizes the study of Earth Science. Earth's profile and structure; water and the planet, groundwater, the atmosphere, weather and climate, clouds, precipitation, winds, forecasting, photosynthesis and respiration, seed plants and seedless plants, mammals, birds, insects, amphibians and reptiles.

C) Objectives:

1. To develop in all students an understanding the exploring Earth's Planet
2. to develop in all students to investigate the nature of the universe and the plant
3. to promote the study of astronomy, earth's water, weather, climate, and earth's changing surface.

D) Contents

Introduction to Earth Science

UNIT 1 Exploring Planet Earth

Chapter 1 Mapping Earth's Surface

Chapter 2 Minerals

Chapter 3 Rocks

Interdisciplinary Explorations Gold –Noble

UNIT 2 Inside Earth

Chapter 4 Plate Tectonics

Chapter 5 Earthquakes

Chapter 6 Volcanoes

Nature of Science: Focus on Faults

UNIT 3 Earth's Changing Surface

Chapter 7 Weathering and Soil Formation

Chapter 8 Erosion and Deposition

Chapter 9 A trip through Geologic Time

Chapter 10 Energy Resources

Nature of Science: Mammals of Jurassic Period

UNIT 4 Earth's Waters

Chapter 11 Fresh Water

Chapter 12 Freshwater Resources

Chapter 13 Ocean Motions

Chapter 14 Ocean Zones

Interdisciplinary Exploration: The Mississippi

UNIT 5 Weather and Climate

- Chapter 15 The Atmosphere
- Chapter 16 Weather Factors
- Chapter 17 Weather Patterns
- Chapter 18 Climate and Climate Change

Nature of Science: Eyes on Earth

UNIT 6 Astronomy

- Chapter 19 Earth , Moon and Sun
- Chapter 20 The Solar System
- Chapter 21 Stars, Galaxies and the Universe

E. Methodology

E)Academic Methodology:	
Tests	30%
Writing Reports	20%
Homework	5%
Class Work	20%
Reading Assignment	25%

F) Book Reference:

1. Earth Science for High School [Kindle Edition] CK-12 Foundation (Author)
2. High School Earth Science Review (Review Smart) [Paperback] Michael Bentley (Author)
3. HIGH SCHOOL PHYSICAL SCIENCE: CONCEPTS IN ACTION W/EARTH & SPACE SCIENCE STUDENT EDITION [Hardcover] PRENTICE HALL (Author)
4. Earth Science (13th Edition) [Hardcover] by Edward J. Tarbuck, Frederick K. Lutgens and Dennis G Tasa (Authors)
5. Applications and Investigations in Earth Science (7th Edition) [Spiral-Bound] by Edward J. Tarbuck, Frederick K. Lutgens, Dennis G Tasa and Kenneth G. Pinzke (Authors)

H) Web Reference:

<http://newyorkscienceteacher.com/sci/pages/links/es.php>
http://highered.mcgraw-hill.com/sites/0072482621/student_view0/interactives.html#
<http://earthsci.org/links/links.html>
www.worldvolcanoes.info
www.internet4classrooms.com/earthspace.htm
www.ncsu.edu/imse/1/earth.htm
www.bownet.org/lneal/earth_science_links.htm
www.uky.edu/KGS/education/edustandalpha.htm
http://en.wikipedia.org/wiki/Earth_science
<http://epod.usra.edu/blog/links.html>
<http://www.marlimillerphoto.com/geopix.html>
www.mp.k12.wi.us/faculty/dvangalen/Earth_Science_Links.cfm
www.geology.com
www.flinnsci.com/.../physical-science-links
www.homelink.cps-k12.org/teachers/wrighka/hyperlinks2.html
www.myteacherpages.com/webpages/SMorrell/physical.cfm
www.linktoscience.schoolspecialty.com
www.sciencenetlinks.com
<http://www.physicsclassroom.com>
<http://www.everydaylearning.com/bcsblue>

I. Journals

Journal in Earth Science
Science Daily

J. Magazines:

Smithsonian magazine, published by the Smithsonian Museum
American Scientist magazine
Discover magazine

K. Organizations

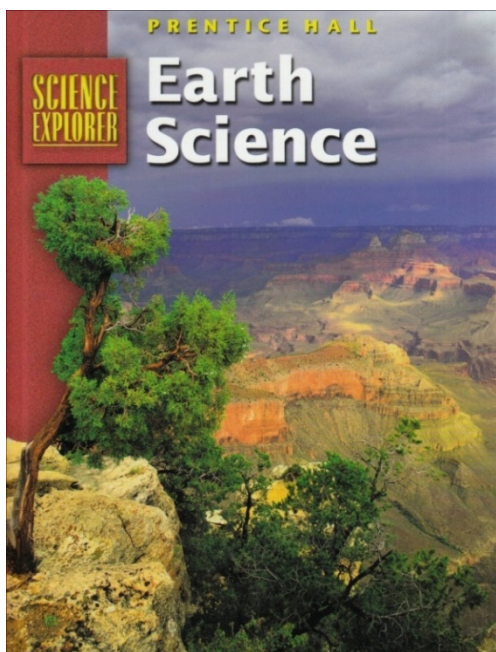
National Science Foundation
National Science Teachers Association
Discovery Channel, PBS Public Television

M. Comprehensive Reading Plan

Students are required to read at least 1 book or their equivalent during each class as independent reading at-home. Students must also read for 30 minutes at home as part of their daily homework assignment in all subjects. Check your Class Reading Assignment at www.USICAhs.org/CURRICULUM and check free ebooks at www.openlibrary.org

Text Book Description:

Publication Date: April 20, 2001 | ISBN-10: 0130626449 | ISBN-13: 978-0130626448
Lead author Michael Padilla weaves together content with hands-on science,



ACADEMIC MISCONDUCT:

Academic misconduct includes cheating (using unauthorized materials, information, or study aids in any academic exercise), plagiarism, falsification of records, unauthorized possession of examinations, intimidation, and any and all other actions that may improperly affect the evaluation of a student's academic performance or achievement, or assisting others in any such act or attempts to engage in such acts. Academic misconduct in any form is inimical to the purposes and functions of the school and therefore is unacceptable and prohibited.

Any faculty member, administrator or staff member may identify an act of academic misconduct and should report that act to the department head or administrative supervisor.

Students violating the standards of academic honesty are subject to disciplinary action including reduction of a grade(s) in a specific course, assignment, paper, or project; a formal or informal reprimand at the professorial, dean, or academic vice president level; expulsion from the class in which the violation occurred; expulsion from a program; or expulsion from the school.