**U.S. INTERNATIONAL CHRISTIAN ACADEMY**

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**http://www.usicahs.org/Curriculum.html**

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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** | | | |
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|  | | | |
| **Order No.:** 1 |  | **Code:**EAS2001 | **Class Type:**Online |
| **Resources:**  Text book  Teacher works CD Teacher interactive online  Links |  |  | **Instructional Supports:**  Textbook, Magazines, Journals, Websites Links, Conference, Comprehensive Reading Plan |
| Sky Conference |  | **Length:** 1 year |  |
| **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. |
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| |  | | --- | | **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. | |

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| |  | | --- | | **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**

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| **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 throughGeologic 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**

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

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| **F) Book Reference:** | |
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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://newyorkscienceteacher.com/sci/pages/links/es.php)

[**http://highered.mcgraw-hill.com/sites/0072482621/student\_view0/interactives.html#**](http://highered.mcgraw-hill.com/sites/0072482621/student_view0/interactives.html)

[**http://earthsci.org/links/links.html**](http://earthsci.org/links/links.html)

[**www.worldvolcanoes.info**](http://www.worldvolcanoes.info)

[**www.internet4classrooms.com/earthspace.htm**](http://www.internet4classrooms.com/earthspace.htm)

[**www.ncsu.edu/imse/1/earth.htm**](http://www.ncsu.edu/imse/1/earth.htm)

[**www.bownet.org/lneal/earth\_science\_links.htm**](http://www.bownet.org/lneal/earth_science_links.htm)

[**www.uky.edu/KGS/education/edustandalpha.htm**](http://www.uky.edu/KGS/education/edustandalpha.htm)

[**http://en.wikipedia.org/wiki/Earth\_science**](http://en.wikipedia.org/wiki/Earth_science)

[**http://epod.usra.edu/blog/links.html**](http://epod.usra.edu/blog/links.html)

[**http://www.marlimillerphoto.com/geopix.html**](http://www.marlimillerphoto.com/geopix.html)

[**www.mp.k12.wi.us/faculty/dvangalen/Earth\_Science\_Links.cfm**](http://www.mp.k12.wi.us/faculty/dvangalen/Earth_Science_Links.cfm)

[**www.geology.com**](http://www.geology.com)

[**www.flinnsci.com/.../physical-science-links**](http://www.flinnsci.com/.../physical-science-links)

[**www.homelink.cps-k12.org/teachers/wrighka/hyperlinks2.html**](http://www.homelink.cps-k12.org/teachers/wrighka/hyperlinks2.html)

[**www.myteacherpages.com/webpages/SMorrell/physical.cfm**](http://www.myteacherpages.com/webpages/SMorrell/physical.cfm)

[**www.linktoscience.schoolspecialty.com**](http://www.linktoscience.schoolspecialty.com)

[**www.sciencenetlinks.com**](http://www.sciencenetlinks.com)

[**http://www.physicsclassroom.com**](http://www.physicsclassroom.com)

[**http://www.everydaylearning.com/bscsblue**](http://www.everydaylearning.com/bscsblue)

**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

**M. Comprehensive Reading Plan**

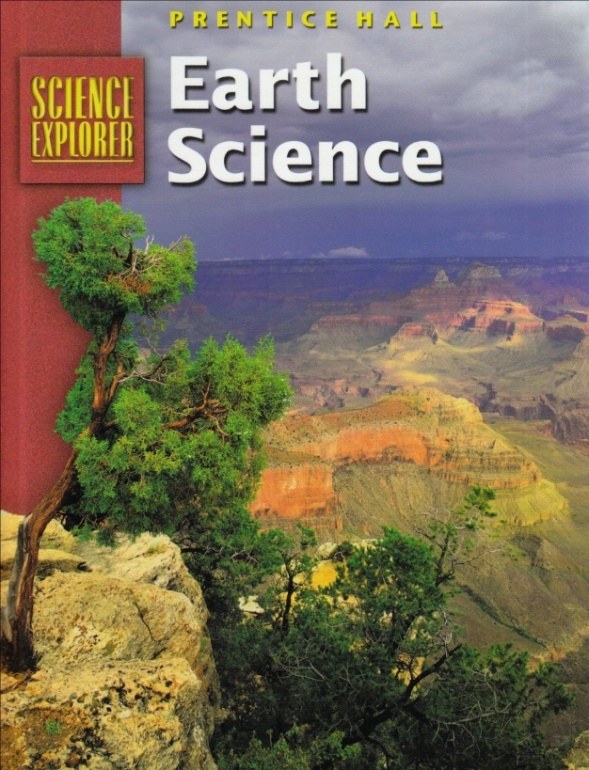
Students are required to read at least 1 book or their equivalent during each class

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](http://www.USICAhs.org/CURRICULUM) and check free ebooks at [www.openlibrary.org](http://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 inquiry that's sure to reach everystudent.



**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.

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