Dominican International School Kaohsiung

Course Syllabus

Subject: Earth Science Grade: 7 SY: 2023 - 2024
Teacher: Mr. Wilson Email: awilson@disk.kh.edu.tw

Course Description:
Earth Science is an introductory level course designed to enable students to explore basic geology, chemistry, climatology, and astronomy concepts. Students focus on concepts that are shared by all celestial bodies such as elemental composition, weather systems, planetary processes, and Newtonian physics. Students will have a solid foundation for exploring and understanding the Earth and solar system as they move to high school science.

Course Requirements:

- The course will be conducted through lectures, cooperative learning, discussions, practice material, projects, and student presentations. Students are strongly encouraged to raise questions and make comments in class. Participation is the key to success.
- Assignment books are available to each student. If there is difficulty in completing the assignments, the teacher must be notified before class the next day.
- Students are encouraged to communicate concerns to teachers and ask for help as needed throughout the school year.
- Students are expected to organize their own class materials and to keep their work neat and tidy. Parents are encouraged to help students by labeling personal items with identification stickers with the student's name in English.
- Students will observe all school policies as outlined in the DISK Handbook. This includes arriving at school on time, abiding by the dress code and speaking only English on the school grounds.
- Students will observe all school policies on Academic Honesty, as outlined in the DISK Handbook. All cases of academic misconduct (such as cheating on tests or plagiarism) will automatically result in a "Fail" grade for the assignment, in addition to any sanctions that may be imposed by the School Discipline office.

Textbooks:
Holt McDougal, *Science Fusion: Earth, Modules E-G, 2017.*

Homework Policy:
Homework is to be turned in before class on the day that it's due. Late submissions will be penalized a letter grade for each day that it is late for three days. After the third day, homework will no longer be accepted and the grade will be recorded as a zero.
Students must notify the teacher of any late work being submitted. It is not the responsibility of the teacher to find late submissions.

Test Policy:

All tests must be taken home and signed by a parent or guardian the day it is graded and handed back to the student. The student has until the next morning at 8:00am to resubmit parent signatures. If a student identifies an error in grading, it must be presented by this time.

Attendance Policy:

Students must be in the classroom by the time the bell rings. If a student is absent, please consult the Google classroom for missed assignments. Missed assignments can be turned in one day late for each day absent.

Classroom Expectations:

1. Be prepared to learn.
2. Participate in class discussions, projects, and classwork.
3. Respect yourself, your peers, and the school.
4. Be careful with school property.
5. Follow all Lab safety rules and instructions carefully.

Class Materials Required:

1. Stationery items (pens, pencils, etc)
2. Textbook
3. Notebook

Assessment:

10% Deportment
30% Class Participation, Seatwork, & Homework
30% Unit Tests & Major Projects
30% Quarter Exam/Assessment

QUARTERLY PACING GUIDE

G7 Science QUARTER 1	Unit and Lesson Targets Textbook E: *The Dynamic Earth*
Week 1	Introductions, Syllabus, Unit 1: The Dynamic Earth, The Earth's surface
Week 2	Weathering, erosion
Week 3	Soil formation, deposition
Week 4	Unit 1 Test, Unit 2 Earth's history
Week 5	Geologic change over time
Week 6	Relative dating, absolute dating
Week 7	Geologic time scale, Project
Week 8	Unit 2 Test, Quarter 1 Exam Review
Week 9	Quarter 1 Exams

G7 Science QUARTER 2		Unit and Lesson Targets Textbook E: *The Dynamic Earth* (cont'd)
W1	Week 10	Unit 3: Minerals and Rocks
W2	Week 11	The rock cycle
W3	Week 12	Three classes of rocks, Unit 3 Test
W4	Week 13	Unit 4: Restless Earth, Earth's layers
W5	Week 14	Plate Tectonics, mountain building
W6	Week 15	Volcanoes, Earthquakes
W7	Week 16	Measuring earthquake waves, Unit 4 Test
W8	Week 17	Quarter 2 Exam Review
W9	Week 18	Quarter 2 Exams
W10	Week 19	Exam Corrections / End of Semester Activities

G7 Science QUARTER 3		Unit and Lesson Targets Textbook F: *Earth's Water & Atmosphere*
W1	Week 20	Unit 5: Earth's water, properties of water
W2	Week 21	The water cycle, surface vs groundwater
W3	Week 22	Oceans and the ocean floor
W4	Week 23	Ocean waves, ocean currents
W5	Week 24	Unit 5 Test, Unit 6: Weather and Climate
W6	Week 25	Atmosphere, energy transfer
W7	Week 26	Wind, clouds, and cloud formation, weather prediction, climate
W8	Week 27	Unit 6 Test and Review
W9	Week 28	Quarter 3 Exam

G7 Science QUARTER 4		Unit and Lesson Targets Textbook G: *Space Science*
W1	Week 29	Exam Corrections, ITBS Testing
W2	Week 30	Unit 7 preview
W3	Week 31	The Universe and stars
W4	Week 32	Life cycle of stars, models of the solar system
W5	Week 33	Gravity, the sun, and terrestrial planets
W6	Week 34	Gas giants, small bodies, Unit Test; The Earth-Moon-Sun system
W7	Week 35	Moon phases, Earth's tides
W8	Week 36	Unit Test and Quarter 4 Review
W9	Week 37	Quarter 4 Exam
W10	Week 38	End School Year Activities / Graduation