Dominican International School Kaohsiung

Course Syllabus

Subject: Life Science Grade: 6 SY: 2023-2024
Teacher: Ms. Diaz Email: adiaz@disk.kh.edu.tw

Course Description:
Life Science is an introductory level course designed to enable students to explore basic biological concepts. Students focus on concepts that are shared by all living things such as cell structure, biochemical make-up, and inheritance. Students will have a solid foundation for exploring and understanding the diversity of life as they move to high school science.

Course Requirements:

- The course will be conducted through lectures, discussions, practice material, projects, research, 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, *ScienceFusion: Life Science, Modules A-D, 2014.*

Homework Policy:
Homework is to be turned in 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. No food at any time in the Science Lab.

Class Materials Required:

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

Assessment:

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

QUARTERLY PACING GUIDE

❖ The syllabus is a live document and may change.

G6 Science QUARTER 1	Unit and Lesson Target Textbook A: *Cells & Heredity*
W1	Introductions, Syllabus, Unit 1: Cells
W2	Cell chemistry,Cell structure and function, levels of cellular organization
W3	Homeostasis and cell processes
W4	Photosynthesis and cellular respiration, Unit 1 Assessment
W5	Unit 2: Reproduction and heredity, mitosis
W6	Meiosis, sexual vs asexual reproduction
W7	Heredity, Punnett squares and pedigrees, DNA structure and function
W8	Biotech, Cell models, Unit 2 Assessment
W9	Quarter 1 Review and Exam

G6 Science QUARTER 2	Unit and Lesson Targets Textbook B: *The Diversity of Living Things*
W1	Unit 3: Life over time, theory of evolution
W2	Evidence of evolution
W3	History of life on Earth
W4	Classification of living things, Unit 3 Assessment
W5	Unit 4: Earth's Organisms
W6	Protists and fungi
W7	Plants and animals
W8	Animal Behavior
W9	Quarter 2 Review and Exam
W10	Exam Corrections / End of Semester Activities

G6 Science QUARTER 3	Unit and Lesson Targets Textbook C: *The Human Body*
W1	Unit 5: Human Body Systems
W2	Skeletal and muscular systems
W3	Circulatory and respiratory systems
W4	Digestive and excretory systems
W5	Nervous system
W6	Endocrine system
W7	Reproductive system
W8	Immune system, Infectious disease nutrition and fitness, Unit 5 Assessment
W9	Quarter 3 Review and Exam

G6 Science QUARTER 4	Unit and Lesson Targets Textbook D: *Ecology & The Environment*
W1	Exam corrections and ITBS Testing
W2	Unit 6: Ecosystems, ecology
W3	Roles in energy transfer, population dynamics
W4	Interactions in communities, Land biomes
W5	Aquatic biomes, Energy and matter in ecosystems, Changes in ecosystems
W6	Human activity and ecosystems, Earth's resources, managing resources
W7	Human impact on the environment, Protecting Earth's resources, Unit 6 Assessment
W8	Quarter 4 Exam Review
W9	Quarter 4 Exam
W10	End School Year Activities / Graduation