

Dominican International School Kaohsiung



Course Syllabus

Subject: Science

Grade: Pre-K

SY: 2023 - 2024

Teacher: Mrs. Christiana Horne

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Course Description:

Kindergarten science is hands-on and standards based program. It provides the children with fun and interesting cross-curricular activities to support other content areas. It is designed to build on their curiosity and help children begin to understand how to ask their own questions and engage in direct, hands-on investigations as they explore the world. Students will learn inquiry skills, how to use science tools, study animals, plants, habitats, Earth's resources, weather, and the seasons. The course promotes children's active participation in both small-group and whole-class activities. The lessons and accompanying materials will enable students to communicate their ideas, make discoveries on their own, and share those discoveries with others.

Course Requirements:

- The course will be conducted through discussions, practice material, and projects. Students are strongly encouraged to raise questions and make comments in class. Participation is the key to success.
- 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

Classroom Rules and Expectations:

- A: Be good listeners and raise their hands before asking a question;
B: During experiments, always be careful under teacher's instructions;
C: Ask questions if there are any doubt in procedures.

Class Materials Required:

A pencil and an eraser

(teacher will have the experiment material ready before class start for the kids)

Assessment:

- 30% Class Participation, Seatwork, & Homework
30% Minor Projects, Portfolio, Unit Tests & Major Projects
30% Quarter Exam/Assessment
10% Department

Quarter One - Pacing Guide -**Inquiry, Tools, 5 Senses**

DATE	CHAPTER/LESSON TARGET/PAGES
Week 1 - 8	Introduction to the class, rules, procedures Doing Science: Inquiry skills Doing Science: Science Tools 5 Senses - see, hear, smell, taste, touch

Quarter Two - Pacing Guide -**Living and Non-living, Animal Coverings, Parts of Plants, Plants and Animal Needs**

DATE	TOPIC/LESSON TARGET
Week 1 - 8	Living and Nonliving - define and discuss what is and isn't Animal Coverings - fur, feathers, scales, skin, shells Plant Parts Plant and Animal Needs Plant and Animal Habitats

Quarter Three - Pacing Guide -
Earth and Weather

DATE	TOPIC/LESSON TARGET
Week 1 - 8	Earth, Land, Oceans, Rivers, Lakes Weather- rainy, sunny, windy, hot, warm, cool, cold etc Solids, liquids, gasses

Quarter Four - Pacing Guide -
Day and Night, Moon Cycle, Simple Machines

DATE	TOPIC/LESSON TARGET
Week 1 - 8	Day and Night Moon cycles: $\frac{1}{4}$ moon, $\frac{1}{2}$ moon, $\frac{3}{4}$ moon, full moon Simple machines- lever, wedge, pulley, inclined plane, wheel and axle

Please note: *The above are a guideline - and therefore subject to change, as the students' needs and abilities develop. Welcome to a projected fun and productive year ahead.*