

Dominican International School Kaohsiung



Course Syllabus

Subject: Science

Grade: 2

SY: 2023-2024

Teacher: Ms. Kerri Aikman

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Course Description:

In Grade 2, students continue to develop science concepts skills in the areas of observation, classification, measurement, communication, inference and prediction, problem-solving and developing hypotheses. Students will use evidence to explain how or why something happens. Students are actively engaged in exploring how the world works around them. The 5E model is used: Engage, Explore, Explain, Extend and Evaluate for effective learning from situations in which one builds on understanding based upon personal experiences. The student centered learning syllabus incorporates learners' understanding of scientific concepts, subject specific vocabulary and through the use of inquiry based learning opportunities, such as experiments, projects and 'hands on' group activities.

Course Textbook:

Primary Textbook:

DiSpezio, M., et. al. (2012). Science Fusion. Houghton Mifflin Harcourt.

Expectations:

In order to promote a safe and positive classroom community and an environment conducive to learning, all students will:

Respect Self

- Listen and follow directions the first time they are given
- Come to class prepared and on time
- Complete all assignments
- Choose to use words that are appropriate for school
- Speak only in English
- Do their best!

Respect Others

- Listen actively to what others have to say and take turns in conversations
- Raise their hand before speaking
- Follow all of the DISK Handbook rules and procedures

Respect Property

- Handle all school and classroom equipment appropriately and with care
- Ask before touching other people's belongings

Assessment:

Formative, summative, and pre-assessments in the form of projects, quizzes, homework assignments, unit tests, and quarter exams contribute to the final quarter grade. In addition, students will be assessed for deportment following the DOP STARS Deportment Rubric. See the table below for a breakdown of quarterly/yearly grading percentages.

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

Quarter One - Pacing Guide

DATE	CHAPTER/LESSON TARGET/PAGES
Week 1	Introduction to the class, rules, procedures
Week 2	Unit 1: Work Like a Scientist
Week 3	Unit 1: Work Like a Scientist
Week 4	Unit 1: Work Like a Scientist
Week 5	Unit 2: Technology and Our World
Week 6	Unit 2: Technology and Our World
Week 7	Unit 2: Technology and Our World
Week 8	Review Week
Week 9	Exam Week

Quarter Two - Pacing Guide

DATE	TOPIC/LESSON TARGET
Week 1	Unit 3: All About Animals
Week 2	Unit 3: All About Animals
Week 3	Unit 3: All About Animals
Week 4	Unit 4: All About Animals
Week 5	Unit 4: All About Plants
Week 6	Unit 4: All About Plants
Week 7	Unit 4: All About Plants
Week 8	Exam Week

Quarter Three - Pacing Guide

DATE	TOPIC/LESSON TARGET
Week 1	ITBS
Week 2	Unit 5: Environments for Living Things
Week 3	Unit 5: Environments for Living Things
Week 4	Unit 7: All About Weather
Week 5	Unit 7: All About Weather
Week 6	Unit 7: All About Weather
Week 7	Unit 8: The Solar System
Week 8	Unit 8: The Solar System
Week 9	Exam Week

Quarter Four - Pacing Guide

DATE	TOPIC/LESSON TARGET
Week 1	Unit 9: Changes in Matter
Week 2	Unit 9: Changes in Matter
Week 3	Unit 9: Changes in Matter
Week 4	Unit 9: Changes in Matter
Week 5	Unit 10: Energy and Magnets
Week 6	Unit 10: Energy and Magnets
Week 7	Unit 10: Energy and Magnets
Week 8	Review Week - Major and Minor Exams
Week 9	Exam Week