

6th Grade NGSS Integrated Science Syllabus

Instructor: Janis Honda Room 120

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Welcome to 6th Grade Integrated Science Class! I am very excited to be working with all of you 6th graders. Let's look forward to making it an amazing and fun-filled scientific year! There are so many incredible things you will learn about Physical, Life and Earth/Space Science. This school year let's make it our goal to develop an enthusiasm and appreciation for the wonderful world of science.



I. 6th Grade Next Generation Science Standards(NGSS) Middle School

1. MS-PS3-Energy: Matter and its Interactions
2. MS-LS1-From Molecules to Organisms: Structure and Processes
3. MS-LS3-Heredity: Inheritance and Variation of Traits
4. MS-ESS2-Earth's Systems
5. MS-ESS3-Earth and Human Activity
6. MS-ES1-Engineering Design

II. NGSS Scientific and Engineering Practices

Throughout the year we will focus on a variety of practices that are not only important in science, but have life skills applications as well.

- *Asking questions and defining problems*
- *Developing and using models*
- *Planning and carrying out investigations*
- *Analyzing and interpreting data*
- *Using mathematics and computational thinking*
- *Constructing explanations and designing solutions*
- *Engaging in argument from evidence*
- *Obtaining, evaluating, and communicating information*

III. Online Learning Platform

We will be utilizing BlackBoard, Google classroom, and WebEx/Google Meets. BlackBoard has a comprehensive online learning curriculum with six modules

TOPICS

Quarter 1: Forces & Energy

Quarter 2: The Earth & The Atmosphere

Quarter 3: Cells and Life and Classifying Life

Quarter 4: Body Systems

*******Contingency Plan: If Blackboard Collaborate Ultra goes down, a Google Classroom Announcement will be posted with further instructions.**

IV. Class Supplies:

Chromebook, pencil or pen

V. Grading:

- Participation 15%
- Discussion-Assessments 25%
- Assignments 25%
- Tests (Quizzes) 40%

Grading Scale: Grades will be posted and updated on *Infinite Campus*. Please discuss and advise your child to complete any assignments that are missing or incomplete

Four Point grading Scale

- A = 4.0- 3.5
- B = 3.4 - 2.5
- C = 2.4 - 2.0
- D = 1.9 - 1.0
- F = 0.9 - 0

VI. Absences:

If you are absent from the online class, it becomes your responsibility to:

- a. Follow up on Blackboard and/or a classmate and/or Mrs. Honda to find out what was missed. Blackboard is a sequential program and will pick up right where the student left off.
- b. Obtain any missed notes from a fellow student as soon as you return and copy them.

VII. Late/ Incomplete Work:

- a. Work will be submitted by 2:15 pm on due dates.
- b. Late work will be accepted, but it's important for students to have a discussion with me about the circumstances.
- c. Students are expected to make up any missing work due to absences up until one week prior to the end of the quarter.
- d. **INFINITE CAMPUS will be updated every second and fourth Wednesday of each month.**

VIII. Student Expectations:

- Students will come to class on time, prepared and ready to learn at home and in school.
- Students will respect people's space, things and right to learn.
- Students when remote learning, need to limit distractions at home, find a quiet place. Avoid eating or drinking at this time.
- Students will be responsible for their own learning and will NOT prevent others from learning.
- Students will follow ALL school rules in class and at home during school hours.
- Students are expected to try their best and NEVER GIVE UP!

IX. Discipline Policy:

The goal of this class is to provide an environment in which everyone can learn and enjoy the class. When you choose to conduct yourself in a manner that distracts or **PREVENT** others from the learning, the following sequence will follow. (Depending on the severity of the offense some steps may be skipped.)

- 1st Offense:** Verbal Warning/Counsel
- 2nd Offense:** Behavior Reflection
- 3rd Offense:** Parents/Counselor notified
- 4th Offense:** Parents notified/Referral to counselor or Parent meeting

X. Communicating with Mrs. Honda:

I am easiest to reach via my email: janis.honda@k12.hi.us. You can also leave a phone message with the office or with the 6th grade counselor at 587-4520.

Acknowledgements:

Please click on the following link to answer the questions below.

<https://docs.google.com/forms/d/1Rm0WbBTj-mFcHIRYALGU4JY2IFX3ckOjB3Pm5O1JpTg/edit>

****** This is your first assignment. Go over the Syllabus with your parent/guardian and sign the forms. This will count as a grade.**

Please check the following:

_____ My child may watch videos that are PG-13 and below for curricular purposes (e.g. Bill Nye) for science purposes.

_____ My child has permission to use their RLSMS email to create accounts needed for Science class.

My child and I have read and reviewed the information in Mrs. Honda's 6th grade Integrated Science class syllabus and understand the expectations and responsibilities required.

_____ Student Signature

_____ Date

_____ Parent/Guardian Signature

_____ Date

Science Safety Contract

Science is an active, hands-on class. Safety is the #1 priority in our classroom. A copy of this contract will be kept in your science notebook as a reminder of safe classroom practices.

1. I will act responsibly at all times in the classroom. I understand that horseplay, jokes, and pranks are not appropriate in a science classroom.
2. I will follow all instructions, written and verbal, about the laboratory procedures given by the teacher.
3. I will not touch any equipment or supplies until instructed to do so by the teacher.
4. I will perform only those activities that have been authorized by the teacher.
understand that unauthorized experiments are forbidden.
5. I will keep my table and the area around it clean and neat.
6. I will wear my safety goggles whenever we are conducting experiments.
7. I will immediately notify the teacher of any emergency.
8. I will tie back long hair, baggy clothes, and dangling jewelry while doing laboratory activity.
9. I will not take anything out of the classroom without permission from the teacher.

I _____ understand and agree to follow all of the safety rules in this contract. I am aware that any violation of this safety contract that results in unsafe conduct in the laboratory or misbehavior on my part will result in being removed from the classroom, or other appropriate measures to maintain safety.

Student Signature _____ Date _____

Dear Parent or Guardian:

Please read the list of safety rules above. Your signature indicates that you have read this Student Safety Contract, are aware of and agree to the measures taken to insure the safety of your child in the science laboratory.

Parent/Guardian Signature: _____ Date _____

6th Grade Integrated Pacing Guide

Mrs. Honda

Semester	Next Generation Science Standards
1 (18 Weeks)	ETS1-1 Engineering & Sci Method ETS1-2 Developing Possible Solutions (Science Fair) ETS1-3 Optimizing the Design Solution (Redesign) ETS1-4 Optimizing the Design (Testing, Modifying, Refining, Optimal Solution) PS3-3 Energy / Phase Change / Energy Transfer PS3-4 Conservation of Energy / Energy Transfers PS3-5 Energy LS1-1 Cells & Cell Types LS1-2 Cells & Function (Specialization) LS1-3 Body & Cell organization LS1-4 Growth, Development, and Reproduction of Organisms LS1-5 Growth, Development, and Reproduction of Organisms (Genetics/Environment) LS1-8 Brain & Memories LS3-2 Heredity: Inheritance and Variation of Traits
2 (18 Weeks)	ETS1-1 Engineering & Sci Method ETS1-2 Developing Possible Solutions (Science Fair) ETS1-3 Optimizing the Design Solution (Redesign) ETS1-4 Optimizing the Design (Testing, Modifying, Refining, Optimal Solution) ESS2-4 The Roles of Water Cycle in Earth's Surface

	ESS2-5 Weather and Climate (sunlight, land, ocean, atmosphere)
	ESS2-6 Weather and Climate (Ocean and its influence on weather/climate)
	ESS3-3 Human Impacts on Earth Systems
	ESS3-5 Global Climate Change