



Aptitud Academy Syllabus

Teacher: Brooks
Grade: 7
Subject: Science Integrated

Samples Links:

Science:

Stemscopes

<https://app.acceleratelearning.com/>

Stemscopes can be accessed through the google “waffle”

Google Classroom 7th Grade Science

<https://classroom.google.com/c/MTIzNDQxNTk0ODY2>

General Information -7th Grade Back to School SlideShow.

<https://docs.google.com/presentation/d/19O53I7IY3Y6TKcykmOa-DMd7IeJRKyt8F8my0OJWF84/edit>

Paragraph of Intro

7th Grade Science is a year-long, inquiry-oriented and integrated science course for 7th graders. This course explores the relationships between natural processes and human activities that cause energy to flow and matter to cycle through Earth’s systems. Students will develop conceptual understanding and skills related to the following topics: matter, thermal energy transfer, chemical reactions, Earth’s natural resources, Earth’s cycling of matter and energy, plate tectonics, ecosystems, biodiversity, and engineering as outlined for 7th grade by the California Next Generation Science Standards.

We will be using the organizational structure and resources of “Stemscopes”, ARUSD’s Science Pilot Adoption.

The Organization Structure in each unit is divided into the following sections:

Engage, Explore, Explain, Elaborate, Evaluate, Intervention and Acceleration..Typically the online resources that make up chapter assignments which are assigned are:

Picture Vocabulary, Stemscopes Pedia, Concept Review Game, Content Connection Videos, Math Connections, Reading A-C, and a Multiple Choice Assessment. Simulations are used in the place of lab work.

Course Unit Themes & Outcomes

Units-

- 1) Non Living Things are Made of Atoms
 - a) Competition in Ecosystems *September*
 - b) Organisms Interactions in Ecosystems *October*
 - c) Human Dependence on Natural Resources *November*
 - d) Structure of Matter *December*
 - e) Changes in Energy on the Molecular Level *January*
 - f) Heat and Matter *January/February*
- 2) Matter Cycles and Energy Flows Through Organisms and Rocks
- 3) Natural Processes and Human Activities Shapes Earth’s Resources and Ecosystems

4) Sustaining Biodiversity and Ecosystem Services in a Changing World.

Biomes of California-December to June

Students will be conducting independent research-notes, picture files, facts, descriptions, statistics on the Following Bioregions/Ecosystems

- 1) Desert (Mohave, Great Basin, Joshua Tree) November
- 2) Intertidal Zone (Kelp Forests-Channel Islands, Farallones Marine Reserves) Dec/January
- 3) Pelagic (Cordell Bank) January
- 4) Coastal Forest (Big Basin, Redwood National Park) February
- 5) Forested Mountains (Yosemite, Marble Mountains) Feb/March
- 6) Mediterranean (Central Valley, Henry Coe) March
- 7) Estuaries (Elkhorn Slough,) April
- 8) Rivers (Russian River, Eel River) May
- 9) Coyote Creek (June)

Students will focus on a plant, mammal, insect, bird, reptile, amphibian, fish-for each, to make and share a google slideshow with the class. By The end of the semester Students should have had an excellent understanding of the ecology of California and developed writing, communication, skills to understand the relationship between the Stemsscopes Units and the natural world around them..

SEL/Morning Meeting

Teacher meets synchronously with all students via video conferencing to kickstart day, allow for a sense of connectedness, and address SEL needs.



Large Group Instruction

Direct live instruction to whole class via video conferencing



Small Group Instruction

Teacher provides scheduled small group instruction to each students via video conferencing. Required for ELL



Asynchronous Learning

Teachers create assignments (with proper scaffolds - ie tutorial videos, etc.) to allow for student practice, check for student understanding and provide feedback



Attendance/Parent Communication

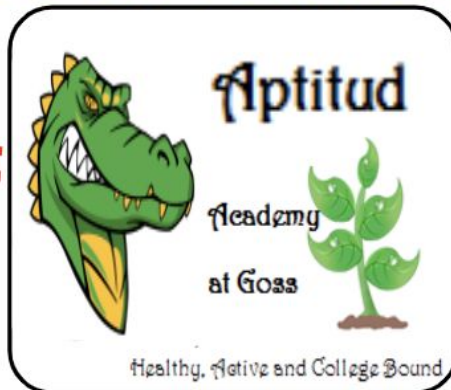
Teachers should maintain contact with parents and respond to questions/concerns and be proactive about providing support to students/families who are not completing assignments/attending class*



Classroom Expectations

APTITUD ACADEMY ONLINE BEHAVIORS FOR SUCCESS!

**ATTENDANCE
COUNTS**



**GRADES
COUNT**

SHOW FACE BEGINNING TO END. RESPOND TO MIC. BE RESPECTFUL.
USE APPROPRIATE DEVICE. USE REAL NAME. ENGAGE THE LEARNING.
**HAVE A CLEAR BACKGROUND. USE ACADEMIC LANGUAGE. PRIVATE
MESSAGE TEACHER WITH ANY ISSUES. BE RESPONSIBLE.**

SPEAK UP IF YOU SEE SOMETHING HURTFUL OCCURING.

Required and Recommended Materials

Required

1. Notebook, pencils, pens
2. Clay, Toothpicks
3. Graph Paper
4. Stemsopes Text, and Workbook
- 5.

Recommended

1. Calculator
2. Art Supplies, scissors, glue, markers,
3. Craft Sticks (Popsicle stick bridges)
- 4.
- 5.

Grading Policy and Key Assignments/Projects

Grading will be based on

- 1) **Participation** (present, camera/mic on, responding to teacher direction),
- 2) **Engagement** (the quality and quantity of participation).
- 3) **Completion:** amount of time spent on learning platforms (240 minutes of learning a day), how many assignments have been completed.
- 4) **Assessment** a) % correct on assignments. b) % increase in grade level scores, c) % correct on benchmark, quiz, test or project.

Points are earned for regular participation, engagement, completion are awarded in increments of 1 point per assignment. All work is due on the day indicated, no later than Friday of that week. Assessment points are earned in increments of 5 or 10 points. Students unable to complete assignments will attend ELT at 2:15-3:30 with City Year M-Th, and Friday Advisory with Brooks until all work is completed.

Absences-for every day absent a student will be given two days to make up work. They are required to attend Friday advisory to make up synchronous work.

Grading Scale:

| | | | | |
|------------|------------|----------|------------|-------|
| A+ 97-100% | B+ 86-88% | C+ 74-77 | D+ 62-65 % | F <53 |
| A 93-96% | B 82-85 % | C 70-73 | D 58-62 % | |
| A- 89-92 % | B- 78-81 % | C- 66-69 | D- 53-57 % | |

Extra Credit

1 Point Extra Credit will be earned for every tutoring session attended. Extra Credit will also be earned at the rate of 1 point for every extra assignment or hour spent on self paced lessons.

Late Work, Partial Credit.

Better Late than Never...As long as the assignment is

within the grading period it will be accepted and credit will be earned. Students must be in continuous contact with teachers in order to receive help and credit..

GRADES-HOW DO I CHECK MY CHILD'S GRADES? CALIFICACIONES: ¿CÓMO VERIFICAR LAS CALIFICACIONES DE MI HIJO/HIJA?

https://docs.google.com/document/d/1yKI9irdM-DP_4mb5eDc0B0wx5vLeg8999YcGKkv6P7Q/edit

Important Dates

Friday is the most important Day of the Week! - Individualized teaching, enrichment, review, and tutoring 9:20-12:30. All assignments otherwise as noted are due Friday 11:30. Minimum Days- Winter 01/15 to 01/19 Spring 03/29 to 03/30 June 06/04,07,08.

Check Parent Square regularly and make sure your student attends all testing dates...

Office Hours/ Contact Info & Communication

Google Classroom Codes: **Math** 2yejn4K **Science** lwlqr5w **Debate** 4rww23j -In addition to Parent Lesson Plans, all assignments are posted on Google Classroom.. Check individual platforms for details (Moby Max, Khan, Stemscopes)

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