

Riverdale Kingsbridge Academy
Lori O'Mara, Principal
Subhas Mohan, Assistant Principal
7th Grade General Science Syllabus

Instructor: Mr. Seuss

Email: jseuss@schools.nyc.gov

Course Description:

This is a seventh grade science class and we will be studying the cycles of matter and energy. In particular, we will take closer look at how matter and energy interact. We will also study earth's geological structure and inhabitants.

A typical lesson will include discussions, demonstrations, hands-on and laboratory activities. We will be using Glencoe textbooks along with Foss Kits to enrich the science experience.

Course Outline:

Essential Questions:

- How do scientists gather and interpret evidence that earth is continually changing?
- How do properties and interactions of matter and energy explain physical and chemical change?
- How do human body systems function to maintain homeostasis?
- How is homeostasis maintained in other organisms?

Units and Essential Questions:

Unit 1: Geology

- How do scientists gather and interpret evidence that earth is continually changing?
 - Earth as a system
 - Rocks and Minerals
 - Fossils and Earth's History
 - Plate Tectonics

Unit 2: Interactions between Matter and Energy

- How do properties and interactions of matter and energy explain physical and chemical change?
 - Properties of Sound and Light
 - Properties of Matter
 - Physical and Chemical Changes
 - Understanding Chemical Reactions: Photosynthesis and Respiration

Unit 3: Dynamic Equilibrium: The Human Animal

- How do human body systems function to maintain homeostasis?
 - Levels of Organization
 - The Human Body

Unit 4: Dynamic Equilibrium: Other Organisms

- How is homeostasis maintained in other organisms?
 - Other Animals
 - Plants
 - One-Celled Organisms

Course Expectations:

Be prepared:

- You must be prepared with something to write on and something to write with. Again, any deviation from this will be followed up by a parent phone call.
- You must have a science section clearly defined in your loose-leaf binder or notebook
- You are responsible for having your binder, two pens, and two pencils in class daily.

Classroom Expectations

- Go directly to your assigned seats. If you are late, you must sign the late log. Late log entries will be followed up by a parent phone call.
- Open your binder to the science section, and copy the Aim, Homework and begin the Do Now.
- All lessons must be numbered, dated, properly ordered and the aim clearly defined.
- Students are encouraged to participate in class discussions to the best of their ability.
- Complete and neat notes taken during classroom lessons.
- You will be assigned homework daily. Assignments will not be accepted if they are submitted more than three days after their due date as per school policy.
- Notebooks will be considered an essential component in determining subject grade.
- All students are expected to make up their assignments in the event of absence.

Use of Bathroom:

- You will be allowed to use the bathroom between 10 minutes after the late bell sounds and 10 minutes before the end of the period.
- Before leaving the room, you must first obtain a bathroom pass then sign the bathroom log.

Before leaving the classroom/Lab:

- Be sure to turn in all assignments
- Clear your tables of trash/mess
- Return the books to their storage place.
- Return all other materials you used during the session.
- Pick up all your trash off the floor and dispose of it in the trash bin.

Assessments:

Subject examinations

Laboratory reports

Research projects

Notebook evaluation

Homework assignments

Class participation

Jupitergrades:

- Jupitergrades is our online grading system that allows students' to monitor their progress throughout the school year. It is highly recommended that parents/students logon to Jupitergrades frequently to monitor progress. Information on how to access Jupitergrades will be given to you during the first week of classes.

Grading Policy for 7th Grade Science:

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| 1. Exams: | 50 % |
| 2. Projects/Lab Reports: | 20 % |
| 3. Quizzes | 10 % |
| 4. Homework: | 10 % |
| 5. Class work/Class Participation: | 5% |
| 6. Notebook: | 5% |

PLEASE RETURN THIS PORTION TO YOUR TEACHER

I have read the attached course outline, goals, expectations, and evaluation criteria for Grade 7 Science and have discussed these requirements and responsibilities with my parents/guardians.

Student Signature _____ Date _____ Class _____

Parent/Guardian Signature _____ Email _____ Phone Number: _____