



7th Grade Science Class Syllabus

2025-2026

Instructor: Ayatt Elmahalawy

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Welcome! I am Mrs. Elmahalawy and I will be your 7th grade Science teacher this year. I am looking forward to exploring Science with you. As the New Year begins, and we all return to school full time, it will take some of us some to adjust and return to our normal routine. I ask that we are all patient and respectful and one another.

Core Values

Real world applications incorporates science in many areas, which you will discover through the activities and experiments I have planned for this year. In order for us to complete these projects, we must hold each other and ourselves accountable for our actions.

We show **respect** at all times for each other, our environment, ourselves and opinions that differ from our own. As a member of the Shull and human community we exhibit **integrity** – even when it is difficult. We are **self-disciplined** in our habits and actions, and always have positive intentions. **Excellence** is our priority academically, socially and personally, and we persevere in the face of challenge.

Supplies:

1. Chromebook
2. Chromebook Charger
3. Headphones (If you have them)
4. A composition notebook for notes
5. Pens and pencils
6. Folder

Class Description

The 7th grade Science course covers many concepts that you will encounter for the rest of your life. We will begin by building a strong class culture. Since many of us do not know each other, we will start off getting to know one another. We will start the year discussing classroom routines, lab etiquette, and safety. We will explore topics such as: Chemical Reactions, Matter, Cells, Human Body

Unit Number	Unit Title	Concepts Covered
Unit 1	The Nature of Science and Scientific Inquiry	The Nature of Science, Observation v. Inference, Lab Safety.
Unit 2	Scientific Argumentative	CER: Claim Evidence Reasoning.
Unit 3	Chemical Reactions and Matter	Matter Conservation, chemical Reactions, atoms and molecules
Unit 4	Chemical Reactions and Energy	Types of reaction and heat produced by these reactions

Unit 5	Cells And Systems	Cell Reproductions, Level of Organizations, Cell Functions
Unit 6	Matter Cycling and Photosynthesis	Photosynthesis and Cellular Respiration
Unit 7	Metabolic Reactions	Human Body Systems
Unit 8	Earth's Resources and Human Impact	Climate Change and Solutions for Climate Changes

Measuring Success

In order to make sure students are meeting their goals we will be taking quizzes after the completion of each concept. We will also be taking Unit Exams after the completion of each unit. These quizzes and exams will provide a better understanding of where students have strengths and weaknesses. Assessments will be announced ahead of time using the classdojo. Instructions on how to join will be reviewed with you in class and instructions for your parents to join is posted on your google classroom.

Assessments

Student mastery of learning objectives will be assessed through a variety of methods in order to ensure that student's with particular learning styles are given the opportunity to thrive. Assessments will include a combination of the following:

- In-class Exams/Quizzes
- Projects
- Participation
- Homework
- Lab Activities

To insure that we have a productive classroom, please follow these expectations for the 2019-2020 school year:

1. I choose NOT to be tardy. To be in my seat and ready to learn.
2. I choose to be prepared for class every day.
3. I choose to be present and alert in class at all times.
4. I choose to complete all my assignments on time.
5. I choose to study and prepare for all tests and quizzes.
6. I choose to be informed about all classroom responsibility.
7. I choose to ask for help and help others when needed.
8. I choose to respect others. I choose to treat others the way I want to be treated.
9. I choose not to be disruptive and not to allow others to distract me.
10. I choose not to tend to any personal effects in class.
11. I choose to complete my homework every day.
12. I choose to NEVER GIVE UP!

Student success will be measured each Marking Period.

Grade Profile:

Grade are divided in the following percentages:

Assessments (60%): Tests, quizzes, projects, labs.

Classwork (35%): Activities, participation, Do Now's, Exit

Tickets

Homework (5%)

A+ = 98-100	A = 95-97	A- = 90-94
B+ = 87-89	B = 84-89	B- = 80-83
C+ = 77-79	C = 74- 76	C- = 70-73
D = 65-69	F = 55-64	

Grades reflect that you have demonstrated proficiency in both the New Jersey Student Learning Standards (NJSLS) and the locally established learning goals and objectives which may include:

- A. Active participation in class and attention to daily lessons,**
- B. Assignments are turned in on time, accurately and neatly.**
- C. Thorough preparation and performance on tests and assessments**
- D. Cooperation with the teacher and my efforts to help**
- E. Try your best always and to do more than the minimum expected.**

Homework

Homework is only assigned if a student did not complete their classwork or it is an extension of the classwork

Missed Work:

- a) It is **the student's** responsibility to obtain the homework assignments, notes & any other pertinent information that is missed during an absence.
- b) Most class materials and homework will be posted on google classroom.
- c) Missed work due to an absence: Additional time (up to 1 school day) and full credit will be allowed for each day of a verifiable and excused absence. Exceptions will be made in unique, deserving situations as determined by the teacher and/or administrator.

Do Nows/ Exit Tickets

Short assessments (5 minutes) will be given at the beginning end of each class period as a way of assessing student understanding of the objective covered that day. They are to be completed individually and silently.

Sincerely,

Mrs. Elmahalawy

7th Grade Science