

GW Harby Jr High

8th Grade Science Syllabus

Welcome to 8th grade science! I am SO glad that you are here. I hope this will be a class that you will enjoy and always remember. I will do everything I can to assist you in your growth toward becoming a responsible and successful student. Please read over this information with your parents so that they too understand what is expected from you. Again, I am extremely excited about this year and I think that we are going to have a lot of fun!



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 REMIND: Text @Bgradesci to number 81010



Course Outline (TEKs in parenthesis)

<u>1st Grading Period</u>	<u>2nd Grading Period</u>
<p>Chemistry</p> <ul style="list-style-type: none"> - Subunit 1-Atoms and the Periodic Table <ul style="list-style-type: none"> - Describe the structure of atoms; masses, electrical charges, locations (8.5A)** - Identify that protons determine element Identity (8.5B)** - Identify valence electrons determine chemical properties - reactivity (8.5B)** - Interpret arrangement of Periodic Table groups and periods (8.5C)** - Explain how elements are classified by properties (8.5C)** - Chemical Formulas (8.5D)** - Subunit 2-Chemical Reactions <ul style="list-style-type: none"> - Investigate and demonstrate how evidence of chemical reactions indicates (8.5E)** 	<p>Effects of Sun, Earth, and Moon Cyclical Movements</p> <ul style="list-style-type: none"> - Model and illustrate tilted Earth's (8.7A)** - Demonstrate and predict sequence of events in lunar cycle (8.7B)** - Relate the positions of the Moon and Sun to their effect on ocean tides (8.7C)* <p>Universe</p> <ul style="list-style-type: none"> - Describe components of the universe (8.8A)** - Recognize that the Sun is (8.8B)** - Identify how different wavelengths of the Electromagnetic Spectrum are used to gain information about components of the universe (8.8C)* <p>Research how scientific data are used as evidence to develop scientific theories to describe origin of universe (8.8D)</p> <p>Review and Midterm</p>
<p style="text-align: center;"><u>3rd Grading Period</u></p> <p>Force, Motion, and Energy</p> <ul style="list-style-type: none"> - Review Energy Transformations (6.9C)* - Demonstrate and calculate how unbalanced forces change - Measure and graph changes in motion (6.8D)* - Differentiate between speed, velocity, and acceleration (8.6B)* - Investigate and describe applications of Newton's three laws of motion (8.6C)** <p>Ocean's Role in Weather</p> <ul style="list-style-type: none"> -Role of oceans in weather; such as hurricanes (8.10C)* -Sun provides energy that drives convection within atmosphere and oceans producing winds (8.10A)* -Identify how global patterns of atmospheric movement influence local weather (8.10B)* <p>Plate Tectonics, Crustal Formations, & Map Interpretation</p> <ul style="list-style-type: none"> - Describe the historical development of evidence that supports plate tectonic theory (8.9A)* - Relate plate tectonics to the formation of crustal features (8.9B)** - Interpret topographic maps/satellite views (8.9C)** 	<p style="text-align: center;"><u>4th Grading Period</u></p> <p>Interdependence in Ecosystems</p> <ul style="list-style-type: none"> -Recognize human dependence on ocean systems (8.11C)* -Explain how human activities have modified oceans (8.11C)* -Explore how short/long term environmental changes affect organisms and traits in subsequent populations (8.11B)** -Investigate dependence and competition for biotic/abiotic factors (8.11A)** <p>STAAR Crunch</p> <p>STAAR (May)</p> <p>Review and Final Exam</p> <div style="text-align: center;"> </div>

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Grading Policy

The following lists the categories for grading:
Major Grades (Test, Projects, etc.)
Daily Grades

How to make an "A"

Keep organized journals
Know make-up work guidelines & follow them
Complete all work assigned either in person or google
Classroom
Always give 110%

Materials needed for class

Students are required to have a pencil or a pen and their science journal in class **EVERY DAY**. This journal will be one of the journals from the district school supply list. A pair of ear buds is encouraged but not required as school headphones will not be used this year.

Assignments/Homework

All assignments and homework must be completed and turned in **on time**; if an assignment is not **quality** work, the student will be asked to continue working on it. Homework is due at the beginning of class and needs to be in the proper place when the bell rings.

Google Classroom

Every week at least one assignment will be completed on Google Classroom. Students will need to complete this assignment on their own time. It may be completed in class if it is part of the assigned tasks.

Absences and Make-up Work

When you are absent from school it is **your responsibility** to log into google classroom and complete the assignment(s) for the day(s) that you missed. It is your responsibility to turn in your make-up work in the proper location in class. You will have one day for every day that you are absent to make up any missed work so please get this done as soon as possible so that you don't receive any zeros!

Google Class Codes by Period:

(Please note that due to the uncertainty of the year and the possibility of changes being made, you may have to rejoin a google classroom to accommodate your new class period and/or teacher)

1st Period Science: acuuf7s

3rd Period Science: ojvbayw

4th Period Science: cic57uj

5th Period Science: ifmwnaf

6th Period Science: inbq27o