Science - 7th Grade

O’Neil

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Expectations

● Be in the classroom with necessary materials on time.
● Be prepared for success.
● Actively listen and follow all adult directions.
● Create a classroom culture where everyone can learn and be successful.
● Take responsibility for your own learning.
● Do the right thing.
● Be attentive and productive.
● Use your time wisely.
● Participate in class activities and assignments.
● Be committed to staying in class the entire period.
● Turn electronics off and placed in the designated area during class.
● Ask for help.

Grading Policies

● Classwork 40%
● Projects 20%
● Quizzes 20%
● Tests 20%

Grading Scale

● A: 90-100
● B: 80-89
● C: 70-79
● D: 60-69
● F: Below 60

Late Work: Due to the unusual nature and circumstances we are faced with as we return to school this year, it is more important than ever that students try to complete all work on time so it can be accurately assessed and returned with feedback in a timely manner. Our face to face classroom time will be limited - at least for awhile - and we need to make every moment count.
Students are expected to turn in all assignments by the due date. Any assignments not completed and turned in on time will result in the loss of one point per day, up to ten days. No assignment will be graded until it is complete. After ten days, assignments will be closed on Canvas and students will no longer be able to access them. Please encourage your child to complete his/her assignments on time so late work will not hinder his/her learning.

We will follow the North Carolina Standard Course of Study for 7th Grade Science this year.

Here is a brief overview of the topics we will cover this year.

- **Earth’s Atmosphere and Weather** - Students should be able to discuss the importance of our atmosphere and the water cycle, as well as how changes in our atmosphere can lead to changes in weather patterns or severe weather conditions. Students should also be able to identify how we can monitor the atmosphere and maintain good air quality.

- **Motion** - By the end of the year our students should be able to describe motion of an object based on its position, direction of motion, and speed with respect to other objects. Students should also be able to illustrate the motion of an object using a graph, and interpret distance versus time graphs.

- **Forces** - Students should be able to explain the effects of balanced and unbalanced forces acting on an object, including the forces of friction, gravity and magnets.

- **Energy Conservation and Transfer** - Students will spend time exploring energy and how energy is transformed from one form to another, or transferred from one system to another. Students will also study simple machines and be able to explain how they are used to increase efficiency and create mechanical advantage.

- **Living Organisms** - Students should be able to describe and explain the processes, structures and functions that allow living organisms to survive, reproduce and carry out the basic functions of life. This unit will begin with a study of single celled organisms and lead to the study of the general functions of the major systems of the body and the ways these interact with one another to sustain life.