

**6th GRADE
EARTH SCIENCE SYLLABUS
SCHOOL YEAR 2020-2021**

TEACHER: Toni England
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COURSE OBJECTIVES:

In 6th grade Earth Science, we will cover concepts from renewable/non-renewable resources, earthquakes, plate tectonics, to climate and weather. A Science Inquiry Based approach is used, which focuses on a hands-on and minds-on approach. Students are encouraged to make real life Science connections in preparation for the rigors of 21st century learning. The Scientific Method will be developed throughout the year during lab activities, project based and computer lab assessments.

**7th GRADE
LIFE SCIENCE SYLLABUS
SCHOOL YEAR 2020-2021**

TEACHER: Toni England
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COURSE OBJECTIVES:

In Life Science, we will begin with the Building BLocks of Life - CELLS, and continue with genetics, animal behavior, dissections, and biomes. The Scientific MEthod is developed throughout the year, as is a Science Inquiry Based approach. Students are encouraged to make real life connections while performing lab activities, project based and computer based assessments.

**8th GRADE
PHYSICAL SCIENCE SYLLABUS
SCHOOL YEAR 2020-2021**

TEACHER: Toni England
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COURSE OBJECTIVES:

In Physical Science we will cover everything from Motion/Momentum, simple machines, the Periodic Table, light and waves, to chemical and physical changes. The Scientific Method and Science Inquiry Based approach will be developed throughout the year.

REQUIRED RESOURCES:

- current textbook
- Science World (passcodes will be shared)
- Google Classroom (passcodes will be shared)
- EdPuzzle
- in person labs/demos
- virtual labs

EXPECTATIONS:

-Students are to check Google Classroom each day for assignments and other relevant information

-if you don't understand, please ask questions

-all students are required to have a one inch Science binder with tabs

-there will be homework every night - it may not be written homework, but students are expected to review notes and any material that was covered in class that day. This assists with preparation for class discussions, quizzes, and tests. At this level, it is impossible to cram this much information the night before the test.

-complete homework on time

-students must be prepared for class (pens, pencils, text, Science Binder, planner, etc)

-students are expected to write in complete sentences, using correct punctuation (points will be deducted)

-have a great attitude, be kind to one another, follow class rules, give your BEST effort at all times, and SMILE!

HOMEWORK POLICY:

Please check the Handbook for a more detailed and thorough explanation.

Plagiarism:

Students in grades 6-8 are taught the meaning of plagiarism, and are given concrete examples as they work on research projects and other assignments. Much time is dedicated to making students understand that taking another's work for one's own is dishonest. Please check the Handbook for a more detailed explanation.

GRADING SYSTEM:

Homework, quizzes, and labs count for 100 points each. For example: homework or quiz contains 10 questions - each question is worth 10 points. If you miss one, your grade will be a 90% B

Test grades, as well as project based assessments are doubled.

Students are provided with a rubric for projects - some are developed by me, others have student input.