

Grade 8 Physical Science Mrs. Johnson

Email: ajohnson@mtctampa.org

**Course Objective**

The Course objective is for students to learn and grow together as a collaborative team. Students will also discuss, examine, explore, and continually develop their own personal skills, knowledge, and scientific thinking while meeting 8th grade science standards.

**Johnson Objective**

All my students will perform and learn at rigorous levels.  Students will be challenged and learn to persevere using problem solving strategies. Students will set goals for themselves and I will help them exceed those goals daily.  Students will feel encouraged, supported, and safe in my classroom always.

***Units of study*** *will include the following:*

*1. Metric Measurement and Scientific Method*

*2. Introduction to Matter*

*3. Solids, Liquids, and Gases*

*4. Atoms and the Periodic Table*

*5. Chemical Reactions*

*6. Energy*

*7. Thermal Energy*

*8. Waves and Electromagnetic Radiation*

*9. Electricity and Magnetism*

*10. Forces in Motion*

**Textbook**

Pearson Elevate (Pearson Education Inc 2019) <https://www.savvasrealize.com/index.html#/>

Gizmo Virtual Labs <https://www.explorelearning.com/>

**Required Materials/Supplies**

 School-issued iPad (charged) Ruler

 Pen, pencil, colored pencils, and highlighters

 2 pocket Folder Basic scientific calculator

**Organization**

1. Students will keep all paper assessments, quizzes, and tests in science folder.
2. Online notes and assignments through OneNote, digital textbook, Gizmo Virtual Labs, and other Microsoft Office 365 tools (invited by the teacher – please do not create your own notebook)

**Behavior and Classroom Expectations**

The MTC middle grades conduct expectations and point sheet will be utilized to cultivate good behavioral and learning habits, as detailed in the family handbook. Demerits will be recorded on the point sheet in front of the planner, as well as on RenWeb.

**Additional Assistance**

I will be available, by appointment only, for help sessions either before or after school on select days. These sessions will be to answer specific questions, not to reteach an entire unit. Students should be prepared with their questions in advance using a student inquiry form.