

Grade 8 Physical Science

Mrs. Johnson



MOTHER TERESA

of Calcutta Catholic School • Lutz, FL

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 high 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. *Energy*
5. *Thermal Energy*
6. *Waves and Electromagnetic Radiation*
7. *Electricity and Magnetism*
8. *Atoms and the Periodic Table*
9. *Chemical Reactions*
10. *Forces in Motion*

Textbook

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

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

Required Materials/Supplies

- | | |
|--|---|
| School-issued iPad (charged) | Ruler |
| 3-ring binder with loose leaf paper and 6 divider tabs | Pen, pencil, colored pencils and highlighters |
| Dry erase markers | Basic scientific calculator |

Organization

1. Online notes and assignments through TEAMS, OneNote, digital textbook, Gizmo Virtual Labs and other Microsoft Office 365 tools (invited by the teacher – please do not create your own notebook)
2. Supporting work for assignments, some formative assessments & all summative assessments/rubrics in binder behind class tab arranged by date and unit/topic

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 ZOOM 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.