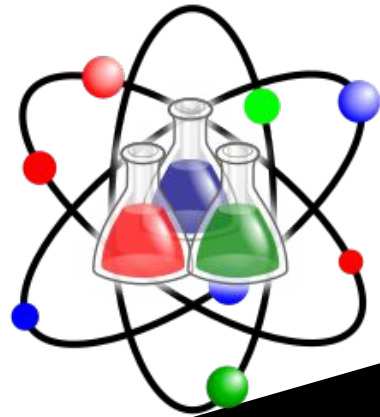
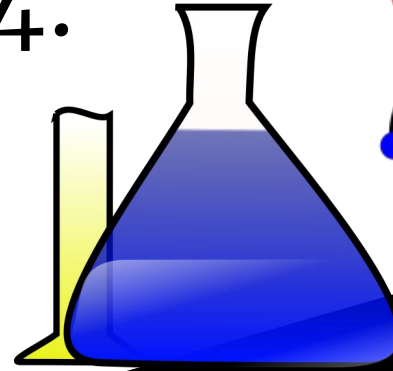


School Year 2023-2024:

Back to School Night @ LJMS

Science 8: Investigating
Matter and Energy



SCIENCE

LUTHER JACKSON



MIDDLE SCHOOL

Welcome and Introductions



Science 8 Teachers are Experienced and Enthusiastic. We Look Forward to a Fantastic School Year.



Mrs. Acharya



Mr. Oquendo



Mrs. McCarthy



Mrs. Risbud



Mr. Ertekin

8th Curriculum

- **Unit 1** - Matter and Its Properties
- **Unit 2**- Changes in Matter
- **Unit 3**- Interactions of Energy and Matter
- **Unit 4**- Forces and Their Effects



- ❑ All students will be using a “scientist notebook” or binder to record their learning.
- ❑ Simulations using Gizmos will be used to apply their learning along with in person lab experiments and activities.
- ❑ Check-ins with students will be done through google forms, and in class assignments etc.
- ❑ Honors and AAP students will cover the same topics, however some student products and processes used for learning will be different and incorporate a higher level of rigor.

We will learn chemistry and physics.

Topics include:

-**Atoms and the Periodic Table**

-**Properties of Matter**

-**Chemical Bonding**

-**Chemical Equations**

-**Changes in Matter**

-**Solubility**

-**Electromagnetism**

-**Circuits**

-**Heat and Temperature**

-**Phase Changes**

-**Light and Sound Waves**

-**Electromagnetic Spectrum**

-**Optics**

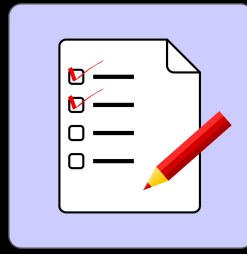
-**Motion, Speed, Acceleration**

-**Newton's Laws of Motion**

-**Gravity**

-**Work and Power**

Attendance Policy



- ❑ Teachers will report attendance for each class in SIS. Students are expected to be present, on time, and participate for the entire class period.
- ❑ If a class is missed, teachers will have information posted on Schoology. Students are expected to check Schoology, complete any missed assignments, and email their teacher.
- ❑ Students who miss class and need assistance completing assignments **MUST** attend their science teacher's after school office hours session.

Class and Assignment Information

- ❑ A typical class will consist of a combination of teacher direct instruction, independent work, and cooperative group work. Students will complete lab activities from the Science 8 curriculum, notebook work, discourse, and reflection.
- ❑ Students will use digital tools such as Pear Deck, Padlet, EdPuzzle, Google Apps, and Gizmos. Most applications will require students to log in with their FCPS Google account.
- ❑ Graphic organizers, notes, videos, direct teaching, community builders, social emotional check-ins, and in class lab work.
- ❑ Students will showcase their learning in their Science Portfolios this year.

Homework Information

While work at home will vary from teacher to teacher, most work will be located in Schoology. Students will find either directions, links, or documents there in Schoology Course.

Work at home could include the following:

- Google Doc/Slides
- Activities on different platforms (examples: EdPuzzles, Wizer, or Flipgrid)
- Paper/Pencil tasks (example: One Pager)
- Collecting data for labs
- Reviewing content learned in class

Communication Protocols

- ❑ Parents will be contacted by email as needed.
- ❑ Teachers will respond to parent or student email messages within 24 business hours.
 - ❑ Email is the best way to contact teachers
- ❑ Contact information for each teacher can be found on Schoology

Luther Jackson science Olympiad

VA SO website : [Home | Virginia Science Olympiad \(virginiaso.org\)](http://virginiaso.org)

<https://virginiaso.org/>

Founded in 1984, Science Olympiad is the premier team STEM competition in the nation, providing **standards-based challenges** to 5,500 teams at 400 tournaments in all 50 states.

If you need more information contact;

Ms. Acharya or Mr. Ertekin

