

S.T.E.M.

(Science, Technology, Engineering, & Math)

Trafalgar Middle School 2020-2021

Teacher: Miss Lisa Bemboom, J.D.

E-Mail: lisabem@leeschools.net

Phone: (239) 283-2001 x 277 (school)

Phone: (850) 525-1285 (cell)

Welcome to our S.T.E.M. class! I look forward to working with each and every one of you this year, and I look forward to exploring the world of STEM with you.

Classroom Assignments/Activities:

- We will begin the year by discussing what STEM is and exploring the many different fields that are incorporated into the study of STEM. We will also discuss different careers that involve STEM.
- Since STEM is an elective course that covers a wide variety of topics, we will be afforded the opportunity to not only learn some of the basics, but will take a deeper look at some specific projects based on student interest. Different topics that may be discussed include, but are not limited to:
 - Evolutionary Engineering
 - Robotics
 - Gaming and code writing
 - Building cities of the future
- Teacher prepared Google Slide presentations, Google Classroom, and a variety of online programs are used to create an interactive classroom. It is likely that the class will be made up of both students in the classroom and students learning from home (Lee Home Connect).
- Students will be expected to keep an open mind, work with friends (or make new ones), gain new skills, possibly network with professionals, gain new skills, and make a difference in the world around you.
- **All activities require:**
 - *Active* student participation.
 - Student completion of classwork and homework activities.
 - Student completion of projects (individual and group) occurring throughout the year.
 - Students are required to bring their **charged Chromebook, earbuds**, , class notebook, paper, and pencil to class **each day**. Some activities will require a pencil.
 - Most importantly, AN OPEN MIND!!
- Accommodations and differentiated instruction are provided to meet the individual and diverse needs of all students.
- All activities are directly linked to the Florida Standards.

Supply List:

Please note, materials may not be shared or loaned out this year. It is imperative that students bring their materials to class with them every day. We will be moving towards a totally digital learning environment, but we may use paper and pencil from time to time.

The supplies required for this class are:

- Earbuds (Reading teachers sell earbuds for \$1 per pair for any student who needs them.)
- If your child prefers a handheld mouse, please provide one, as we will not be able to loan the out any longer. These can be wired or wireless.
- Notebook Paper
- Pencil (#2 lead)
- Mask(s)

Classroom Wish List

These are supplies that we use regularly as a classroom community. Any donations you can make are very much appreciated!

- ✓ Tissues, tissues, tissues!
- ✓ Roll of paper towels
- ✓ Hand Sanitizer
- ✓ Expo markers, any color
- ✓ Pencils

Grading:

All assignments are weighted equally.

Assessments:

- Projects assigned throughout the year
- Group Project Participation
- Content Mastery Assessments
- Possible extra-curricular participation in STEM-fairs or Science Fairs

Classwork:

- Any classwork not completed in class may be completed overnight to be turned in the following class day for the grade.

Homework:

- Homework activities will be assigned periodically throughout the school year as needed. These may include group or collaborative projects.

All classwork, homework, and project assignments will be listed our Google Classroom.

Extra Credit:

- Extra credit may be offered upon discretion.

Expectations:

- Be kind.

- Be prepared.
- Stay engaged.
- Work hard.

*“Keep your thoughts positive, because your thoughts become your words.
Keep your words positive, because your words become your behavior.
Keep your behavior positive, because your behavior becomes your habits.
Keep your habits positive, because your habits become your values.
Keep your values positive, because your values become your destiny.”*
- Mahatma Gandhi