



Physical Science Honors
Course Syllabus 2020 – 2021
Mr. Eric Perez

Contact Information:

- Teacher email: ericperez@dadeschools.net
- Available: Scheduled appointments (morning or after school)
- Room #: 5336
- Teacher Website: Visit www.gomakos.org → Contact → Staff Directory → Eric Perez

Course Description:

- A. The purpose of this course is to provide exploratory experiences and laboratory and real-life applications in the physical sciences.

The content should include, but not be limited to, the following:

- The nature of science
- Matter, energy, and chemical processes of life
- Develop the concept of forces & equilibrium
- Understanding concepts of motion
- Different forms of energy
- Structure and function of machines & understand the concept of work
- Properties of all types of waves
- Mastering the concepts of electricity & magnetism
- Understanding the nature of gas & other physical properties of matter

- B. Laboratory investigations which include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

Textbook:

Physical Science-Florida
Discovery Education Online Techbook
Accessible through student portal

Foundations of Physical Science
Florida Edition by CPO Science
ISBN #: 978-1-60431-122-8

Required Materials:

- Section in binder for notes
- Lined loose leaf paper
- Pencils, pens, highlighters, etc.
- Notecards
- Scissors and glue sticks
- Composition notebook
- **Scientific calculator**

Grading:

Grades are weighted as follows in Mr. Perez's class:

Tests: 3x

Quizzes/Labs: 2x

Projects: 1.5x

Independent Study: 0.5x

All work is expected to be turned in on time before instruction begins, work turned in late will be accepted with points deducted. All work must be done with honesty and pride. All work must be **original and handwritten** (unless granted permission otherwise). The honor code (attached at the end of the syllabus) ensures that all students have an equal chance to learn the material. **Copying will result in zeros for all parties involved and parent contact.**

It is your responsibility to get all missing work. Talk to the teacher before or after class and/or other students to get missing worksheets and class notes. Checking the school website is also a great resource to obtain make-up work.

Absences and Makeup Work

Teachers are to provide within **three** days requested student/parent make-up assignments for all excused absences/tardiness. It should be noted that all course work, due to the nature of instruction, is not readily subject to make-up work.

Excused absence:

If the absences are excused, all educational requirements for the course shall be met before a passing grade and/or credit is assigned. The student shall have a reasonable amount of time, up to three school days, to complete make-up work for excused absences. Principals may grant extensions to the make-up time limit for extenuating circumstances.

Unexcused absence:

Unexcused absences do not require that the teacher provide make-up work for the student. However, the Attendance Review Committee may assign educationally-related activities to mitigate the loss of instructional time.

Discipline Policy

Students are expected to follow the Miami- Dade County Code of Student Conduct at all times on campus and at school related events. The Student Code of Conduct can be found at <http://ehandbooks.dadeschools.net/policies/90/index.htm>

The following steps will be taken upon infraction:

1. Verbal Warning in class
2. Student/Teacher conference
3. Parent/Guardian email or phone call
4. Parent meeting and office referral

Tentative Course Topic Schedule**August**

Nature of Science

September

Measurement & Matter

October

Temperature, Gases,
Atomic Structure

November

Energy & Chemical Rxns.

December

Solutions

January

Motion & Forces

February

Work & Simple
Machines

March

Energy & Waves

April

8th Grade Science Review

May

Electricity & Magnetism

June

Biology Intro.

Brick and Mortar Classroom Expectations

1. Respect each other and yourself. Always use appropriate language and keep your hands to yourself.
2. Take responsibility in your learning. Be prepared, seated, and ready to work when the bell rings.
3. Honesty and pride in all your daily activities. All work must be **original and handwritten**.
4. Throughout the year during lectures, activities, and labs always raise your hand and wait to be called on.
5. Wait to be dismissed by the teacher so that you receive all directions for the day.
6. Food and drink are not allowed to be consumed in class. Cell phones should not be visible and/or in use, unless used in learning activities.

Online Classroom Expectations:

1. Choose an area free from distractions before beginning class to promote student focus.
2. Be prepared with necessary class materials for the day
3. Dress code is enforced. (Wear your uniform polo)
4. Keep your camera on and microphone muted, unless otherwise instructed to do so.
5. Always maintain a positive and appropriate learning environment.

Although K12 has its own grading system, the Miami-Dade County Gradebook is the official platform for student grades.

Excerpt from K12:**Guidelines for Integrity in Assessments and Assignments:**

Unless otherwise instructed by your teacher or by a specific assessment, you are expected to honor the following principles while taking assessments:

- You and you alone will take the assessment.
- You will not copy or redistribute any part of the assessment in any way—electronically, verbally, or on paper.

- You will treat the assessment as "closed book"—meaning that you may not use any textbooks, references, or other materials (printed or electronic) during the assessment—unless your teacher or the specific assessment otherwise instructs (for example, you are specifically told to refer to certain pages in a book as part of the assessment).
- You will treat the assessment as "single browser"—meaning that during the assessment you may not log in a second time to your course or open your course or related materials on another browser on another computer.
- Your answers will represent your work and *only* your work, free of any outside assistance. You will not plagiarize in any way.
- You will not confer with other students, family members, or acquaintances, either in person or through electronic communication, during the assessment.

You will be asked to submit written assignments for teachers to grade. Your written work must be completely free of plagiarism. Plagiarism is copying another person's work without providing direct reference to the author, original print material, or website.

You may also be asked to submit oral assignments for teachers to grade. Your oral work must be completely free of plagiarism. Plagiarism in such assignments includes copying another person's work without providing direct reference to the author, having another person provide your recording, and so on.

Unless your teacher or specific directions inform you of exceptions, you are expected to follow these principles while taking assessments and completing written or oral assignments. Only by honoring these principles can you assure both academic and personal integrity.

Academic Integrity (Cheating and Plagiarism):

1. Students who submit work as their own, when it is not wholly and completely their own, are guilty of cheating and/or plagiarism and will receive a grade of zero on the entire assignment and referred to administration.
2. Assisting other students in cheating or plagiarism is also considered academic dishonesty, and students who do this will receive a grade of zero on their assignment and referred to administration as well.

ACKNOWLEDGMENT OF RESPONSIBILITY AND HONOR CODE

The core values underlying and reflected in the Honor Code are:

- **Academic honesty** demonstrated by students when the ideas and the writing of others are properly cited, students submit their own work for tests and assignments without unauthorized assistance, students do not provide unauthorized assistance to others, and students report their research or accomplishments accurately;
- **Respect** for others and the learning process to demonstrate academic honesty;
- **Responsibility** recognized by all to demonstrate their best effort to prepare and complete academic tasks; and
- **Integrity** of all members of the school community as demonstrated by a commitment to academic honesty and support of our quest for authentic learning.

Important Dates

MAST Academy follows Miami Dade County Schools Calendar.

These are some important dates to keep in mind.

Please check the school website for details and periodical updates for this class.

- **Quarter 1:** August 31st, 2020- October 22nd, 2020
 - *Interim Reports: September 25th, 2020*
- **Quarter 2:** October 26th, 2020- January 22nd, 2021
 - *Interim Reports: December 4th, 2020*
- **Quarter 3:** January 25th, 2021- March 25th 2021
 - *Interim Reports: February 19th, 2021*
- **Quarter 4:** April 5th, 2021- June 9th, 2021
 - *Interim Reports: May 7th, 2021*

<p>Click Here to Accept and Sign this syllabus due Friday, September 4</p>
