**Yonkers Montessori Academy**

**Regents Earth Science Course Expectations; Syllabus**

**Mrs. Clement:** **dclement@yonkerspublicschools.org** **| 914.376.8540**

**Course Description:**
You are enrolled in a rigorous and demanding course. It is designed to offer you a challenge. Although challenging and demanding, it is possible to be successful. For most of you this will be the first science course that you have ever taken with strict and demanding requirements.
During the year you will discover a variety of features of the earth and universe, along with the complete physical phenomena governing them. Most important is to understand our role as humans in the physical world that supports life.

**A General Course Outline -and estimated time**

Unit 1: Origin of the Universe and Solar System – 29 days (Nov 1)

Unit 2: Earth Interior and Plate Tectonics – 23 days (Dec 7)

Unit 3: Landscapes and Surface Processes – 23 days (Jan 18)

Unit 4: Geologic History – 20 days (Feb 15)

Unit 5: Earth-Sun-Moon Systems – 20 days (March 22)

Unit 6: Weather – 29 days (May 3)

Unit 7: Climate – 25 days (May 20)

***As you can see – the last unit will be tight. We will need to complete some work over the holiday breaks to make up the above timeline.***

**STATE LAB REQUIREMENTS:**

You are scheduled for five classes per week. New York State requires that all students of Regents Earth Science have completed 1200 minutes, (20 hours), of hands-on laboratory work. Students must be diligent and make up for missed lab work. Students who do not have a record of written lab work that demonstrates they have met this requirement will be barred and will not be able to take the NYS Earth Science Regents in June.

**Course Materials:**

* 1-2” binder with paper and dividers for each unit.
* Pens, pencils, colored pencils, highlighters and glue sticks
* Earth Science Reference Table (provided by school)

**Class Design:**

Earth Science Class will be as PAPERLESS as much as possible - students will need to access class resources via a tablet, computer or smart device. Students who do not have access must make Ms. Clement aware so she can provide printed materials. All materials are accessed via **Microsoft Teams**. Some tests, quizzes and labs will be provided on paper for completion.

The teaching methods used in Regents Earth Science are subject to change to best meet the needs of the students. During 2022 to 2023 we will use a **flipped classroom model** (type of blended learning where students are introduced to content at home and practice working through it at school) combined with students in the classroom showing/presenting their work to their peers and having deeper discussions.

**Grading Policy**

POINT SYSTEM: Regents Earth Science we will be using the whole points grading system. Every marking period a total number of assignments equaling between 700 and 1000 points are assigned, and the student tries to earn as many points as possible. The total earned divided by the total points possible is their ACTUAL grade. It easier for students to monitor and understand. A student’s performance is directly correlated with how hard they worked and not the percentage the grade is worth.

**Homework Assignments**

Homework assignments will be posted on Microsoft Teams and Castle Learning (Regents practice questions).

Microsoft Teams Flipped Class Assignments:

If you do not complete a flipped class assignment, you will receive a zero or no more than a 50 depending on how you present your work that morning. You are required to actively participate in all flipped assignments in class the next day.

Castle Learning is specifically designed to assist you in learning the objectives of this course. In addition to letting, you know immediately if you answered the question incorrectly, it will provide you with a hint and allow you to submit a second response. If you do not submit the correct answer after two attempts, it will frequently fully explain the correct answer. It is almost like having your own personal homework tutor. Most assignments will be around 12 questions and are due by 7:30 am the next school day.

If you are two days late, the maximum score you’ll receive is a zero. Homework assignments completed more than one day late will receive a zero. (Note: Students absent on the date assigned will receive an extension)

**Absences**

If you miss class for any reason, it is your responsibility to get any notes and/or assignments that you missed. If you are absent for an extended time, you will receive a modified due date. Being absent for a ‘review day’ prior to a test will not be an excuse for not taking the test as scheduled.

**Technologies used:**

* Microsoft Teams
* PowerSchool
* Castle Learning
* Ed Puzzle

**Earth Science Regents Exam for 2023**

**Written Exam** - June 16, 2023 in the morning

It consists of 85 questions

* 1-50 multiple choice questions
* 51-85 constructed response questions

**Performance Test:** consists of three (3) timed stations – 1: Minerals and Rock Identification 2: Locating an epicenter 3: constructing and analyzing an asteroid’s elliptical orbit. The test is 1-2 weeks before the written exam - during school hours. Date TBD

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Please sign below indicating you have read and understand the expectations for this course, including the **1200 minute lab requirement**. If you would like to be contacted by email, which is the best way to reach me, please write your email address as well. I look forward to a productive, successful, and fulfilling year!

Student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Student Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_