

## Integrated Science – Course Syllabus Monarch High School

**Instructor: Ms. Mohammed**

Email: [fakiha.mohammed@browardschools.com](mailto:fakiha.mohammed@browardschools.com)

Phone: (754) 322-1400

Room#: 366

### **Course Description:**

Welcome to an exciting semester of learning Integrated Science! As the name implies, this course is an integrated approach to earth-space science, biology, chemistry, ecology, genetics, math and physics. This science course is a hands on class. We do many labs, which involve precision and accuracy. It is extremely important you pay attention to all details. You will conduct research-using methods not limited to graphing, charting, and calculating weight and mass differences. The course will include a review of the scientific method with examples.

### **Educational objectives:**

In this course you will:

1. Design experiments, test hypotheses, and formulate written results and observations
2. Become familiar with the major conceptual fields of Science: including Ecology, Physical Science, Earth Science, and Zoology.
3. Utilize diverse note taking techniques to organize information: including concept maps, flow charts, comparative data tables, outlines, and diagrams
4. Be held responsible for knowledge gained from independent reading assignments through written and oral responses

**Textbook and Course Content:** Physical Science with Earth Science - Glencoe Science.

The Nature of Science - Chapter 1

Motion, Acceleration, and Forces - Chapter 3

The Laws of Motion - Chapter 4

Energy - Chapter 5

Heat and States of Matter - Chapter 9

Waves - Chapter 10

Earth's Internal Process- Chapter 12

Weather and Climate - Chapter 17

The Earth-Moon-Sun System– Chapter 7

The Solar System – Chapter 8

Electromagnetic Radiations – Chapter 15

Stars and Galaxies – Chapter 26

Classification of Matter - Chapter 18

Properties of Atoms and Periodic Table - Chapter 19

Chemical Reactions - Chapter 23

Energy Sources - Chapter 16

Weather and Climate - Chapter 17

### **Suggested Supplies:**

1. Three ring binder (1 ½ inch) with a separate section for handouts, tests, and quizzes
2. Black or blue pen, colored pencils and/or markers

**Grading Criteria:**

Your final grade is based upon total number of points achieved divided total points possible. Scale:

A = 90-100    B+ = 87-89    B = 80-86  
 C+ = 77-79    C = 70-76    D+ = 67-69  
 D = 60-66    F = 0-59

**Classroom Rules:** Students should adhere to the Knight’s code of conduct. All school rules will be enforced in my classroom.

1. Be in your seat and ready to work when the bell rings.
2. Everyone is expected to have books, paper, and writing utensils everyday.
3. You cannot disrupt others from learning. You cannot disrupt the teacher from teaching.
4. Have respect for yourself, others, and the teacher at all times.
5. Any cell phones used in classroom will be confiscated.

**Consequences:** If a student chooses to break a rule the following consequences will be given.

First Consequence	Verbal warning
Second Consequence	Parental/Guardian contact
Third Consequence	After/Before School Detention
Fourth Consequence	Written Referral

\*The student may be moved to another seat in the classroom with the first consequence

**Absences/Late Work**

It is the responsibility of the student to pick up and finish work missed. Missed assignments will be in the drop in drawers and on the website. All the students must complete assignments in two days and credit is given only to excused absence.

I acknowledge that I reviewed Ms Mohammed’s Integrated course syllabus, rules, and consequences with my son/daughter.

**Parent or Guardian name (printed):** \_\_\_\_\_

**Parent or Guardian Signature:** \_\_\_\_\_

**Student Name, Class and Block (printed):** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_