**CROCKETT COUNTY HIGH SCHOOL**

**SYLLABUS**

# Physical Science  **Ms.** Hailey Watts

###  **Mr. Martin Renfro**e

### **Room** 201hailey.watts**@crockettschools.net**

###  martin.renfroe@crockettschools.net

# **COURSE DESCRIPTION**: An introductory chemistry course, in which, we will study the composition, structure, properties, and reactions of matter.

**SUPPLIES:** 3- Ring Binder

 Loose Leaf Paper

 Dividers

 College Ruled Composition Notebook/Journal Notebook

 Pencils/Pens

 Calculator

**CLASSROOM POLICIES:**

1. All work should be turned in on the assigned due date with a name and title.
2. Work turned in within a week of the due date will be penalized by 50%.
3. Tests and quizzes missed due to an excused absence must be made up within 1 week of the students return.
4. Consequences for breaking the conduct rules will result in a level 1 or level 2 demerit.

# **CCHS OFFICIAL GRADING SCALE**

# 93-100 = A

# 85-92 = B

# 75-84 = C

# 70-74 = D

# 69-0 = F

**GRADING CATEGORIES:**

25% - *DAILY CLASS WORK*

50% - *TEST GRADES*

 25% - *EXAM GRADE*

## **MAJOR UNITS AND PROJECTS**

 **1ST QUARTER**

 **What is Science?**

Students will focus on:

* Scientific Method
* Measurement
* Tools and Procedures to present scientific data

**Properties of Matter:**

 Students will:

* Classify matter
* Compare and contrast physical and chemical properties of matter

 **States of Matter:**

 Students will examine:

* Solids, liquids, and gases
* Gas Laws
* Phase Changes

 **Periodic Table:**

 Students will analyze:

* The organization of the elements on the periodic table
* The structure of atoms and elements

 **Bonding:**

Students will examine:

* Differences between ionic and covalent bonding.

 **Acids/Bases:**

Students will:

* Identify different compounds as acids or bases.
* Comprehend the pH scale

 **2nd QUARTER**

**Motion:**

Students will:

* Differentiate between speed, velocity, motion, distance, acceleration.
* Solve for Newton’s Laws

 **Energy:**

Students will examine:

* Energy and its forms
* Thermal Energy and Matter
* Heat and Thermodynamics

 **Light, Sound, Waves:**

Students will:

* Examine the electromagnetic spectrum
* Understand the behavior of waves

 **Electricity and Magnetism:**

Students will:

* study the electric current and Ohm’s Law
* study magnets and magnetic fields.

**TESTING DATES:**

* **August 4th: State Pre-test**
* **August 12th: Unit 1 Test**
* **August 23th: Unit 2 Test**
* **September 1st: Unit 3 Test**
* **September 9th: Unit 4 Test**
* **September 20th: Unit 5 Test**
* **September 27th: Unit 6 Test**
* **October 6th-7th: Midterm Exams**
* **October 18th: Unit 7 Test**
* **November 1st: Unit 8 Test**
* **November 9th: Unit 9 Test**
* **November 15th: Unit 10 Test**
* **December 6th: Unit 11 Test**

**PARENT RESOURES:**

[**http://crocketthigh.ccschools.net/**](http://crocketthigh.ccschools.net/)

I have read over the syllabus and I have noted that classroom behavior and student responsibility are significant factors in determining the final grade. I also have read and understand the class policies. I also understand that I can contact the teacher at ------@crockettschools.net or call CCHS at 731-696-4525 to set-up a meeting with the teacher.

Student name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_