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| **AAC Chemistry Course Syllabus**  ***School Year 2025-2026***  Teacher: Dr. Michael Farner  Room #: S106  E-mail address: michael.farner@fortbendisd.gov  Phone #: 281-329-2439  Conference Period: 2nd Period  Tutorials: TUE @ 2:45 – 3:45 pm | Image result for thurgood marshall high school logo |

**Course Overview**

**This course covers the description, classification, properties, and composition of matter. We will examine the building blocks of matter, atoms, and put them in context of compounds, chemical reactions, and various physical properties of matter. The period table will feature extensively throughout this course, and we will spend much of our time focusing on it as a tool for recognizing patterns and classifying compounds. Since this is listed as an AAC (advanced academics course) expectations for student performance are higher compared to standard chemistry and students will be exposed to slightly more advanced concepts.**

**Course Objectives**

* Identify and classify matter based upon various chemical and physical properties
* Recognize patterns in the periodic table and make inferences about reactions and compounds based upon these patterns
* Describe chemical changes through qualitative and quantitative means
* Place & analyze observations within a scientific framework
* Develop collaboration and communication skills through labs and CERR writing
* Utilize mathematics in describing a chemical process or outlining natural phenomena

**Textbook:** Texas Experience Chemistry / Savvas (accessed through Clever on OneLink)

**Learning Management System:** Schoology

**Websites:** Fortbendisd.com; https://fortbendisd.schoology.com

**Course Outline**

Course content outline relates to the curriculum established by FBISD and State of Texas.

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| **First Semester**  Unit 1 – Atomic Structure (and Safety)  Unit 2 – Exploring Light and Chemical Bonds  Unit 3 – Accounting for Matter  Unit 4 – Chemical Reactions | **Second Semester**  Unit 5 – Solutions  Unit 6 – Acids, and Bases  Unit 7 – Gases  Unit 8 – Thermodynamics & Nuclear Chemistry |

**Required Materials (you need to get this stuff)**

Charged Laptop (you need this EVERYDAY)

Pencils or pens

Composition Book/Notebook

Dry-erase marker

2 inch, 3-ring binder – THIS IS IMPORTANT! MOST DAILY GRADES WILL COME FROM THIS!

**Required Websites**

**Schoology**

**Reading**

Reading materials will be provided assigned on Schoology or via **Clever. OUR TEXTBOOK IS ONLINE.**

Reading will correlate and/or supplement content covered in class and **can be referenced on quizzes and tests.**

**Labs**

Throughout the course, students are required to engage in a variety of lab activities and projects that will enable them to connect the concepts learned in class to real world applications. Both projects and labs will generally be a group activity and a team lab report/project will be submitted for grading. An after-school lab is available for any student who missed a lab activity. As part of labs students will be asked to either examine a chemistry concept or answer a question using ideas from class. Lab activities may include chemicals that **CAN BE HARMFUL. ALL STUDENTS WILL NEED TO TAKE AND PASS A SAFETY TEST WITH A SCORE OF 100% PRIOR TO DOING LABS. STUDENTS AND PARENTS WILL NEED TO SIGN A LAB SAFETY AGREEMENT PRIOR TO DOING LABS.**

**Assignments and Homework**

Homework and classwork will be assigned through **Schoology** **OR** given as work for student binders. Students will be subject to periodic binder checks for a grade. Binder checks will be part of regular grading.

During each unit, the problems assigned are mostly specific to the unit topic but may also include review problems.

Students will also be asked to demonstrate the writing and scientific communication skills using CER (Claim-Evidence-Reasoning) format at various points. Assignments may also include larger scale projects that inform on lesson topics in depth.

**Late Work and Absences**

Homework, classwork and projects should be turned in on the due date to receive full credit. **Work turned in the next day after the due date will receive 70 maximum credit**. For each additional day work is late, the teacher reserves the right to- reduce the maximum possible grade by 5% per day. Late work will be accepted for a lesser grade up to the end of the current nine-week grading period. Students are responsible for any missed assignment due to absences (e.g. UIL trips) and to make it up within **three days** of return to class. Failure to meet the deadline may result in a lower grade. All labs missed must be completed after school within **one week** of the absence. The teacher reserves the right to give an alternate make-up work or assignment.

**Tutoring**

Extra tutoring is available to students struggling with concepts presented in this class. It is the student’s responsibility to come get the help that they need. A schedule of my availability will be posted but students must contact me in advance to make sure that I am available for a specific afternoon. **Regular tutorial times are every Tuesday from 2:45 p.m. – 3:45 p.m. or by appointment unless otherwise indicated.** Anyone who need extra help, must let me know as soon as possible.

**Do Now/Do First**

Most days there will be a warm-up assignment that is to be completed on a weekly Do Now Form that goes in student binders. We will go over how to access this during class time. Students are expected to complete the Do Now when present.

**Assessment**

Students take two major tests every nine weeks, corresponding to each unit we cover. Comprehensive final exams (semester exam) will be given each semester. Tests can be retaken within three days of receiving a failing grade, but the student must talk to the teacher if they wish to do so. The teacher reserves the right to administer a different make-up test or exam. The maximum score that may be earned on a retest is 75 percent. Quizzes may be given and may be unannounced. Projects are also included as a form of assessment.

**Grading Scale**

Student’s grade will be determined on the following scale:

50 % = Major grades (unit test, quiz, labs)

50 % = Daily grades (homework, warm up problems, citizenship, binder checks)

General guidelines for report card letter grades are:

90 – 100 A

80 – 89 B

75 – 79 C

70 – 74 D

69 & Below F (not passing)

I Incomplete

NG No grade

**Academic Integrity**

Teachers expects from its students a high level of responsibility and academic honesty. It is imperative that a student demonstrate a high standard of honor in his or her scholastic work. If a student is caught cheating or using his/her cellphone during a test/exam, the test/exam will be void and the student will face the consequences of academic dishonesty. **THIS ALSO APPLIES TO UNAUTHORIZED USE OF ANY AND ALL A.I. ENGINES.**

**Expectations**

Students are expected to:

1. *Be on time to class.*
2. *Be prepared with materials and assigned work.*
3. *Participate in class discussions and laboratory investigations.*
4. *Follow all laboratory procedures and safety rules/guidelines.*
5. *Put away personal electronic devices otherwise it will be confiscated according to school policy if used inappropriately (ex. gaming, social networking, messaging, email, recording, etc.)*

*6. While the teacher is actively teaching and the Chromebook is being used, all Chromebooks are to be placed flat on the student desk. Student Chromebook screens are always to be visible to the teacher.*

*7. Students are not allowed to record AT ANY TIME audio, photos, or videos of other students or staff without their explicit permission.*

*8. Treat themselves, their classmates, and the teachers with respect at all times.*

*9. Seek appropriate help or clarification when needed. Students are expected to demonstrate ownership of their learning and success in this class*

*10. Adhere to all guidelines, behaviors, and conditions as stated in the student handbook*

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| **Chemistry**  **School Year 2025-2026**  Teacher: Dr. Michael Farner  Room #: **S106**  E-mail address: michael.farner@fortbendisd.gov  Phone #: 281-329-2439  Conference Period: 7th Period  Tutorials: 2:50 – 3:45 pm Tue | Image result for thurgood marshall high school logo |

August \_\_\_\_, 2025

**For the Student,**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(print student’s name) have read the course syllabus and expectations for Chemistry for the 2024-2025 school year. I fully recognize that I will be held accountable to these expectations and I understand the consequences for my actions.

Student’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student e-mail and cellphone # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**For the Parent,**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(print parent’s/guardian’s name), have reviewed the course syllabus with my son/daughter, and fully understand what is required in order for my son/daughter to pass the Chemistry course.

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

Parent/Guardian e-mail and cellphone # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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