**Ms. Crystal Davis**

**White Station High School**

**2022-2023 Honors Chemistry 1**

# Syllabus

[www.wshschemistry.com](http://www.wshschemistry.com)

**Title: 1st 9 weeks**

**Grade: 10-12**

**Subject: Science**

**Course: Honors Chemistry**

**GLE/CLE/Checks/SPI’s-**

CLE 3221.1.1

CLE 3221.1.2

CLE 3221.1.3

**Instructional Strategies-**

Cooperative Learning strategies, Graphic Organizers, laboratory reports, Thinking Maps, Problem Solving, lecturing, reading, class discussion, warm-up activities, and journaling

**Activities/labs-**

Classroom inquiry activities- including periodic table activities, scientist timeline and Manhattan Project Thinking maps, celebration of National Mole Day and National Chemistry Week. Labs include Chromatography lab, endothermic/exothermic CBL lab, density labs, “Taking Matter Apart” lab

**Nine-Week Plan-**

**Week 1-** Orientation; Math Pre-test; Scientific method; Describing matter; **READING; pp. 4-10; 12-16**

**Week 2-** Measurement- Metric vs. English systems; Conversions **READING; p. 31-61**

**Week 3-** Classifying Matter- Elements, compounds, & mixtures

 **READING; p. 69-90 \*\*\*\*TEST #1**

**Week 4-** Matter & Energy-Endo/Exo Reactions

 **READING; p. 516-528**

**Week 5-** Specific Heat & temperature problems **TEST #2**

**Week 6-** Development of the atomic model; past & present

**READING- p.101-124;**

**Week 7-** Atomic Model continued **SAME READING!!**

**Week 8-** Composition of atoms **SAME READING!!**

**Week 9-** Electron configuration & Quantum Mech. Model…

 **READING- p. 134-162 NINE WEEKS EXAM**

**Assessments-**

Performance Based Assessment, Teacher Made Tests, Quizzes, Lab Reports, Lab Activities, Problem solving assignments

**Resources/Materials-**

Textbook, Textbook Website [www.glencoe.com](http://www.glencoe.com); www.loc.gov [www.WSHSChemistry.com](http://www.WSHSChemistry.com), ACS, United Streaming, www.chemtutor.com , www.chemmybear.com, NSTA.org, University of Memphis lab book, [www.periodictable.com](http://www.periodictable.com), [www.teachertube.com](http://www.teachertube.com)