

Chemistry syllabus!

1st nine weeks:

- lab safety
- measurements – metrics
- significant figures, dimensional analysis
- lab write-up procedures
- matter – properties and changes
- structure of atoms, periodicity
- metals/nonmetals

2nd nine weeks

- ionic/covalent compounds
- polyatomic ions
- balancing chemical equations, reactions
- the atomic theory, periodicity
- atomic bonding
- energy changes in states of matter

3rd nine weeks

- gas pressure and gas laws
- water, solutions
- acids and bases, neutralization reactions
- reduction/oxidation reactions
- electrolysis/electroplating

4th nine weeks

- nuclear chemistry
- half-life
- radioactive decay
- nuclear reactions and energy
- fission/fusion
- Forensics

TAKS practice throughout the year