Chemistry – Scope and Sequence 2019-2020

First Six Weeks (27 days)

1. Matter and Change I: 4A, 4B, 4C, 4D, 8E *(8-10 days)*
2. Matter and Change II: 11A, 11B *(7-9 days)*
3. Atomic Structure and Nuclear: 6A, 6C, 12A, 12B *(6-8 days)*

Second Six Weeks (30 days)

4. Electrons: 6B, 6D *(7-8 days)*
5. Periodic Table: 5A, 5B, 5C, 7D *(6-7 days)*
6. Nomenclature: 7A, 7B, 7C, 6D *(11-12 days)*

Third Six Weeks (30 days)

7. Chemical Quantities- Moles: 8A, 8B, 8C, 8D *(10-12 days)*
8. Chemical Reactions: 8E, 8F (7 days)

Fourth Six Weeks (28 days)

Con't Chemical Reactions: 8E, 8F (6 days)

9. Stoichiometry: 8G, 8H *(11-12 days)*
10. Gases: 9A, 9B, 8G *(10-12 days)*

Fifth Six Weeks (29 days)

11. Bonding: 7C, 7D, 7E, 10A *(9-10 days)*
12. Solutions: 10A, 10B, 10C, 10D, 10E, 10F, 8F *(12-13 days)*

Sixth Six Weeks (33 days)

13. Acids and Bases: 10G, 10H, 10E *(11-13 days)*
14. Thermochemistry: 11A, 11B, 11C, 11D *(10-11 days)*

SIX WEEKS ESSENTIAL LABS

- 1st - Density
- 2nd – Flame Test
- 3rd – Percent Composition
- 4th – Stoichiometry Relationships OR Molar Volume of a Gas
- 5th – Solubility Lab
- 6th – Titration OR Calorimetry

Essential labs should be inquiry-based investigations planned and carried out by students, using practices

District Adopted Resource

- *Texas Modern Chemistry*, by Houghton Mifflin Harcourt (Holt McDougal), Adopted 2014
- Online access for every student, class set of textbooks.

Notes

- Number of days per unit includes assessment days
- Number of days in six weeks is the number of instructional days on the calendar.
- Process Skills TEKS are embedded within content units- reference the unit plans.
- The identified essential labs are required.

 REVISED May 2019