

Year at a Glance



Chemistry /Honors

2003340/2003350

2021-2022 School Year

Course Description:

This course involves the study of the composition, properties, and changes associated with matter. The content includes the classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, and physical changes. Selected laboratory investigations include the use of the scientific method, measurement, laboratory apparatus, and safety.

Textbook Publisher:

[McGraw Hill – Chemistry: Matter and Change](#) (Students have online access through My.SarasotaCountySchools.net)

Other Supplemental Resources:

[FSA Portal](#)

Standards:

Available on [CPalms](#)

[Chemistry](#)

[Chemistry Honors](#)

Benchmark Assessment Dates

Midterm – School Midterm Exam Schedule

Final Exam – School Final Exam Schedule

Note teachers may use additional resources as noted on individual classroom syllabuses. For specific questions regarding individual classrooms please contact the teacher for clarification.

Quarter	Major Concepts/Topics
1	Unit 1 – The Practice of Science Unit 2 – Atomic Theory Unit 3 – Quantization of Chemistry Unit 4 – The Periodic Table
2	Unit 5 – Bonding Unit 6 – Chemical Structure Unit 7 – Chemical Reactions Unit 8 – Nuclear Chemistry
3	Unit 9 – Using Chemical Formulas Unit 10 – Classification of Matter Unit 11 – Kinetic Molecular Theory Unit 12 – Water Unit 13 – Gasses Unit 14 – Thermochemistry
4	Unit 15 – Kinetics of a Reaction Unit 16 – Reaction Equilibrium Unit 17 – Acids and Bases

Students earning a [standard high school diploma](#) must earn three (3) Science credits. One (1) of which must be in Biology 1, the other two (2) of the three (3) must be equally rigorous with laboratory components. The student must also pass the Florida Standard Assessment (FSA) Biology 1 End of Course Exam (EOC), which constitutes 30 percent of the final course grade. More information on graduation requirements and concordant scores can be found here: [Graduation Requirements for Florida's Statewide Assessments](#).