**Physical Science Syllabus SY 2023-2024**

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| **Teacher** | **Ms. A. Johnson** |
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| **Textbook** | McGraw Hill Physical Science (accessible on Classlink) |
| **Materials** | Composition notebook, FCS or personal device, calculator, pencil |
| **Course Description** | The course is designed as an introductory overview of the major concepts in chemistry and physics to provide students with the necessary knowledge and skills in physical science. The course includes abstract concepts such as structure of atoms, motion and forces, conservation of matter and energy, action-reaction principle, and behavior of waves. These concepts are investigated through laboratory experiences and fieldwork designed for students to develop appropriate knowledge and skills in science as inquiry. |
| **Units of Study** | |  |  | | --- | --- | | **Units Semester ONE** | **Units Semester TWO** | | 1. Atomic Structure and the Periodic Table | 7. Motion | | 2. Chemical Bonding | 8. Newton’s Laws | | 3. Conservation of Matter | 9. Work & Simple Machines | | 4. States of Matter | 10. Energy Transformations | | 5. Nuclear Chemistry | 11. Waves | | 6. Properties of Solutions | 12. Electricity and Magnetism | |
| **Grading Categories** | **Major (55%)**: Includes but not limited to: Assessments cumulative in nature that measures learning targets from multiple standards/skills. Majors will include unit assessments, projects, or performance tasks.  **Minor (35%)**: Includes but not limited to: Assignments/assessments that measures an individual learning targets within a unit. Minors will include vocabulary quizzes, notebook quizzes, and lab reports.  **Practice (10%)**: Includes but not limited to: Daily assignments, observations, and reading activities given in class or for homework. |
| **Attendance &**  **Make-Up Work** | Regular attendance in this class is essential for each student to be successful.   * Students should make every effort to complete any missing work in a timely manner. All makeup work must be completed within 10 days of the original due date of the assignment, assessment and/or task. * Upon returning to school after an absence, students will have an equal number of days as they were absent to complete any late/missing assignment, assessment, and/or task(s) for full credit. * After the deadline of an equal number of days a student was absent, 10% will be deducted from the late/missing assignment, assessment, and/or task(s). * If a student fails to turn in a late/missing assignment, assessment, and/or task(s) within the designated time frame, a zero will be entered in the grade book. |
| **Grading Policy** | **Grading Scale:** **Semester Grade will be determined by:** Codes in Infinite Campus:  90% -100% A Major Assessments: 55% NG – No Grade  80% - 89% B Minor Assessments: 35% I – Incomplete  70% - 79% C Practice: 10% M – Missing  Below 70% F |
| **Recovery Policy** | Students will be given the opportunity to recover all major assessments if they score below 75% on the assessment.   * Students are limited to one recovery attempt per major assessment that meets the threshold for recovery. * Recovery of a major assessment should occur before the next major is given. * Eligible students can earn a replacement grade that is no higher than 75%. * If the recovery grade is below the original score, the original score should stand in the grade book. |
| **Conduct**  **& Honor Code** | All students are expected to be on time, prepared for class, respectful of others and involved in all class activities. Appropriate language is always expected.  ***HONOR CODE POLICY:***  To encourage fair assessments and to authenticate learning, the faculty supports a strong policy against cheating.  Examples of cheating, which could include areas such as   * copying or "borrowing" from another source and submitting it as one's own work * seeking or accepting unauthorized assistance on any assignment * fabricating data, signatures, or resources * providing or receiving test questions in advance without permission * working collaboratively with others when individual work is expected   Students guilty of an honor code violation will receive a grade of “zero” on the assignment or test.  **To encourage good study habits, fair competition, and positive development in the area of academics, the Alpharetta faculty supports a strong policy for academic honesty. Students should read and understand the school’s Academic Honesty Policy as published in the Handbook for Students and Parents. Students are responsible for adhering to these policies at all times and on all assignments, assessments, projects, or tasks. In order to reinforce Alpharetta High School’s commitment to academic honesty and the ideals of being a R.I.C.H. Raider, students will be expected to write or sign an Academic Honesty pledge prior to completing an individual assignment. The AHS Academic Honesty pledge states: As a R.I.C.H Raider, I, \_\_ (student name)\_\_\_, pledge that I have neither given nor received assistance on this assignment.**  We encourage you to talk to your teachers if you are not sure how to use or cite information that is not your own original work.  Students who have distributed material or information to others that violates the Honor Code may receive up to 5 days OSS. |
| **Cell Phone Policy** | In accordance with FCS policy 18f.II: Cell phones or other personal communication devices may not be used in the classroom. Use of these devices without expressed permission from the classroom teacher could result in confiscation of the device, which will then only be released to a parent or guardian. These devices are expected to be turned off and put away in backpack, purses, etc. during instructional class time.  1st Offense: Warning  2nd Offense: Communication to parent/guardian  3rd Offense: Confiscation of device |
| **Non-Academic Skills** | Feedback will be provided to students in areas in addition to academic mastery.  The non-academic skills include: The ratings for non-academic skills are as follows:  - Self-Direction - Consistently Demonstrates (CD)  - Collaboration - Often Demonstrates (OD)  - Problem Solving - Sometimes Demonstrates (SD)  - Work Habits - Rarely Demonstrates (RD) |