***IPC Syllabus***

Mr. Mesler

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In **Integrated Physics and Chemistry** each student will discover the basic foundations of chemistry and physics through lecture, investigation and inquiry.

**Grading Policy:**

**Six Week Grades**: 30% - Daily Assignments & **Quizzes\*\*** (Includes Homework)

30% - Labs

40% - Tests

**\*\* - Quizzes** count as two (2x) daily assignments

**Semester Grades:** 80% - The average for the 3 six weeks grades

20% - Final Exam Grade

**All homework is due at the beginning of the class period. NO LATE WORK IS ACCEPTED.**

**Labs:** Students will spend 40-50% of the year in lab. Lab groups are chosen by the teacher. Grades in lab are based on individual performance as well as team work. ***Each student will complete a lab report and each student is responsible for information covered in the lab even if she/he was absent.*** Any lab equipment broken by a student must be replaced monetarily.

**Homework:** Homework is necessary for completion of class work, practicing problems, or to prepare for the following day’s activity. Depending on how well the student works in class will determine the workload at home.

**Tests:** Tests are a comprehensive measure of lecture, lab, and homework assignments. Students can prepare by working on the test review they receive one week prior to the test date.

**Tutoring:** Students are highly encouraged to attend tutorials regularly. Students are encouraged to attend the tutorials of any of the IPC teachers so help is always available. If these times do not work for you, it is your responsibility to schedule a time with me outside of my normal tutorial times.

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| --- | --- | --- | --- | --- | --- |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| **Mrs. Johnson** |  | 3:00-3:30pm | 7:00-7:30am |  |  |
| **Mr. Mesler** | **7:00-7:30 am** |  |  | **7:00-7:30**  **am** |  |

**Study Time:** IPC is a cumulative subject very much like a foreign language. Therefore, it is important to practice on a daily basis. Here are a few tips that will help you to be successful:

* 1. **Do your homework!** Grades can be damaged severely by zeros on homework, and homework is essential in preparing for tests. Remember that homework should not be turned in late!
  2. **Come prepared each day for class.**
  3. **Arrange for tutoring immediately when you fall behind!**

**Absence Policy:** For excused absences, missed work should be made up as soon as possible. One class period for every class period of absence will be allowed to turn in makeup work. A missed test must be made up on the first Tuesday after the absence in the official Science Makeup Test session after school. **According to district guidelines, missed tests must be made up within ten school days before it will be averaged as a zero**. A missed lab or quiz must be made up within one week of the absence. No extra time is allowed for student absences due to extracurricular activities.

**Science Make up Test Day = Tuesday afternoon (Room varies – see teacher)**

**Academic Honesty:** Stratford High School is dedicated to promoting the highest level of integrity. For a ***first offense of cheating on any assignment*** (test, lab, quiz, homework, etc.), the student will receive at minimum a ***zero*** on the assignment. Additional consequences will be taken according to the type of assignment; procedures are stated in the SHS Academic Honesty Policy.

**Behavior:** We expect all students to behave in a responsible and respectful manner. Unsafe or destructive behavior can result in serious injury to the student or to others around them in the laboratory. We require that all safety rules and recommendations of each teacher be followed exactly as instructed. ***Failure to do so will result in removal from the lab, a zero for that lab activity, and disciplinary action.***

**Required Materials:**

1. **Composition notebook**, spiral notebook, or binder
2. Pencils and a highlighter
3. Glue sticks or liquid glue
4. Map colors, crayons, or markers

**Scope and Sequence:**

Nature of Science- Scientific Method, Safety, Measurements and Graphing

Force and Motion- Speed, Acceleration, Newton’s Laws of Motion

Energy- Transformations, Conservation, Potential and Kinetic Energy, Energy Sources and the Environment, Heat Transfer (conduction, convection and radiation), and electricity

Waves- Waves, Sound, Light, Mirrors and Lenses

Atomic Structure- Properties of Matter, Periodic Table, Atomic Structure, Models, History

Bonding and Writing Chemical Names and Formulas

Chemical Reactions- Physical and Chemical Changes, Conservation of Mass and Chemical Equations

Fluids- Water, density, viscosity, solubility, Acids and Bases

Remind:

This year we will be using “Remind” as a way to send supplemental reminders throughout the year. You will send a text to the phone #: 81010 and in the message write @mrmesler

Contact Info:

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nathan.mesler@springbranisd.com Tutorials: Monday & Thursday 7:00am-7:45am