



Dear Parent/Guardian:

I am delighted to be your child's teacher this school year for Integrated Physics and Chemistry. IPC is an integration of both physics and chemistry, both of which surround us and are involved in nearly every industry.

For each unit, you will be able to view a list of topics that will be covered for the grading period. Students will be introduced to physics first semester, while chemistry is covered during the second semester.

First six weeks topics will focus on building a strong foundation in process skills:

- Lab Safety
- Experimental Design
- Metric Measurement
- Scientific Method
- Writing Correct Lab Reports
- Potential and Kinetic Energy
- Transfer of Energy

I aim to make it as interesting and interactive as possible by using learner inquiry-based activities and projects, Canvas, real-world applications of the targeted topics. Students will learn critical thinking skills, safe scientific practices, how to plan and implement scientific design and to communicate their findings.

Students are expected to complete and turn in homework on time via Canvas or as otherwise instructed. Students are encouraged to participate, ask questions and be involved in their learning processes in the classroom. To be academically successful is determined by both attendance and participation in class. Please encourage your child to be active and responsible in keeping up with their work and checking Skyward for grades. Please see my tutorial schedule on the school website.

We will be using Argument Driven Inquiry (ADI) Labs with our students this school year. Each lab begins with a guiding question and students are given the opportunity to learn more about each topic. Through the ADI process your student will design their experiment, collect and analyze data, justify their conclusions, write an investigative report, and participate in the peer review process of their reports.

I am looking forward to this school year and to be working with your child. Together we can make this a successful year by working together as a team and positively supporting our learners in the classroom. Please e-mail or call if you have any concerns or questions.

Sincerely,

Eagle Mountain-Saginaw ISD IPC Teachers