

Physics

Science Lab 1 (Sourou)

Mr. Hilty (Email: e.hilty@iso.bf Cel. 75-75-14-23)

Textbook: *Conceptual Physics 3rd Ed.*, Scott Foresman Addison Wesley. 1999

Lab book: *Conceptual Physics Lab Manual 3rd Ed.*, Scott Foresman Addison Wesley. 1999
Physics: A Laboratory Manual, Puri, Zober & Zober. 2001

Needs: Folder, notebook (for class notes), lab notebook (quad. ruled), scientific calculator, pen or pencil, and a USB key.

Goals and Objectives:

1. Demonstrate safe and proper scientific process skills.
2. Use technology and various other tools to gather data, model, and communicate scientific ideas clearly.
3. Apply scientific reasoning in the study of physics.

Unit Topics:

1. Mechanics (12 weeks)
 - a. Motion & Force
 - b. Energy
 - c. Rotational Motion
 - d. Gravity
 - e. Relativity
2. Fluids and Heat (4 weeks)
3. Electricity and Magnetism (6 weeks)
4. Waves and Optics (5 weeks)
5. Atomic and Nuclear Physics (3 weeks)

Assessment:

Class Participation	Homework Assignments	Journaling
Quizzes & Tests	Lab Investigations	Discovery Projects

Grading: At the end of each grading period the points will be totaled and the percentages calculated. Grades will be assigned as follows:

93-100%	A	
90-92	A-	Tests & Quizzes 40%
87-89	B+	Investigations & Projects 40%
83-86%	B	Homework & Class Participation 20%
80-82%	B-	
77-79%	C+	You will be given a password to check
73-76%	C	your grades on Edline . Be sure to
70-72%	C-	check often throughout the year.
67-69%	D+	
63-66%	D	
60-62%	D-	
Below 60%	F	

Student Behavior:

Students are expected to respect the rights of other's learning. Failing to do so will result in disciplinary action. (See ISO's Code of Conduct.)