

Matter & Motion
Class Syllabus
Morse High School Team #1
Semester 1, 2007 - 2008

Mr. Varney

Room # 147

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Course Website: http://www.bathpublicschools.com/mhs/html/mr__varney.html

Student Expectations

- You will be held to the highest standards regarding quality of work and classroom behavior. All Morse High School policies are applicable in my classroom. Please utilize your student handbook and Course Policy Sheet.
- The three most important tools to use in my class are (1) a positive attitude, (2) good work ethic, and (3) respect for everyone

Communication

Every student is capable of learning the topics covered in this course; however, each student is unique in the amount of effort and time they will need to put into learning the material. Please feel free to contact me outside of the classroom if you have questions, need extra help, or are having difficulties with anything in or out of this course. If you are absent than I encourage you to contact me to minimize the amount of missed material. If you cannot stop-by my classroom after school, please email me at the above address. Your parents are also welcome to call or email me with any questions or concerns.

Student Resources

Text: *Spectrum –A Physical Science Approach* Holt Science
Software: *Loggerpro* Vernier

Grading
MHS Grading Scale:

<i>Letter Grade</i>	<i>Percentage</i>	<i>Letter Grade</i>	<i>Percentage</i>
A+	97-100	C	73 - 76
A	93-96	C-	70 - 72
A-	90-92	D+	67 - 69
B+	87 - 89	D	63 - 66
B	83 - 86	D-	60 - 62
B-	80 - 82	F	0 – 59
C+	77 - 79		

You will be provided with a Rubric for every assessment (Project, Test, Lab, Quiz, and Major Homework Assignment). A rubric is a tool that lists what I expect you to accomplish in order to receive a certain grade.

Course Evaluation:

Every assignment will be given a score based on the assignment's importance. For example, a simple homework will be allotted fewer points than a lab, test or notebook. The points you have earned on all of your assignments, divided by the total possible points, will be your class grade.

Notebook Organization

Section 1	Section 2	Section 3	Section 4	Section 5	Section 6
Notes	Handouts & Classwork	Homework	Tests & Quizzes	Labs & Projects	Progress Reports

Required Student Materials

1.5"-2" Three Ring Binder	Ruler (Metric)
Dividers	Pencils (2, sharp for every class)
Lined Paper	Pens
Colored Pencils	Calculator (basic function is fine)

Course Schedule

Quarter 1

- I. Introduction to Science
 - A. What is Science? Chapter 1
 - 1.1 The Nature of Science
 - 1.2 The Way Science Works
 - B. SI Units- Chapter 1.2
 - Length, Area, & Volume
 - Scientific Notation – Chapter 1.3
 - Significant Figures
- II. The Nature of Matter (Chemistry)
 - A. Matter - Chapter 2
 - 2.1 What is Matter?
 - 2.2 Matter and Energy
- 2. Properties of Matter

- B. Atoms and the Periodic Table – Chapter 3
 - 3.2 Atomic Structure
 - 3.2 The Periodic Table
 - 3.3 Families of ElementsMLR: Build a Compound

- C. Structure of Matter – Chapter 4
 - 4.1 Compounds and Molecules
 - 4.2 Ionic and Covalent Bonding

- D. Chemical Reactions – Chapter 5
 - 5.1 The nature of chemical reactions
 - 5.2 Reaction Types
 - 5.3 Balancing Chemical Equations

Quarter 2

III. Motion and Energy (Physics)

- A. Motion and Forces – Chapter 8
 - 8.1 Motion
 - 8.2 Acceleration and Force
 - 8.3 Newton's Laws of MotionMLR: Ticker Tape Lab or Graph Matching Lab

- B. Work and Energy – Chapter 9
 - 9.1 Work, Power and Machines
 - 9.3 What is Energy

** This is the tentative schedule for this course. The material and order of presentation could change throughout the semester.*