



Sturgeon Composite High School

Physics 20

COURSE OUTLINE



PREREQUISITE: Minimum of 50% in Science 10
Recommended 60% in the Physics Unit and an overall
average of 60% in Science 10 and Math 10C

Name _____

TEXT: Physics: Pearson

COURSE MATERIALS: Calculator
Three ring binder, loose leaf

COURSE CONTENT: The Physics 20 program is an academic course dealing with the study of matter and energy and their interactions. Through the study of the Physics program, students will develop a better understanding of the natural world.

The Physics 20 program consists of **four** units of study.

UNIT A: Kinematics 15%

Kinematics is the study of uniform motion and accelerated motion using vector and scalar quantities.

UNIT B: Dynamics 25%

Dynamics is the study of forces, Newton's Laws and gravitational forces and fields.

UNIT C: Circular Motion and Oscillatory Motion 30%

Extension of the study of kinematics and dynamics to uniform circular motion and harmonic motion.

UNIT D: Work, Energy and Mechanical Waves 30%

Study of energy, work, energy transformations and mechanical waves.

EVALUATION: The final mark in Physics 20 will be based upon:

TERM WORK – Consists of: **60%**

- Lab reports, quizzes and assignments = 18%
- Unit tests and midterm exam = 42%

FINAL EXAM - **40%**

- Cumulative exam of all course material = 40%

BEHAVIORAL EXPECTATIONS: As outlined in the Student Agenda and by the individual teacher.
Inappropriate behavior will not be tolerated.