

NAME _____

GROUP _____

CHAPTER 5 SYLLABUS

STANDARD: (1) STUDENTS WILL UNDERSTAND THE MOTION OF OBJECTS AND HOW FORCES CAN CHANGE THAT MOTION.

PERFORMANCE INDICATOR: (2) USE MATHEMATICS TO DESCRIBE THE MOTION OF OBJECTS.

OBJECTIVES:

1. IDENTIFY THE TWO FACTORS THAT VELOCITY DEPENDS ON.
2. WRITE THE EQUATION FOR SPEED.
3. CALCULATE SPEED.
4. DEFINE REFERENCE POINT.
5. WRITE THE EQUATION FOR ACCELERATION.
6. CALCULATE ACCELERATION.
7. DEFINE FORCE.
8. WRITE THE EQUATION FOR FORCE.
9. CALCULATE FORCE.
10. LIST THE TYPES OF FRICTION.
11. EXPLAIN THE DIFFERENCE BETWEEN WEIGHT AND MASS.

VOCABULARY I:

MOTION	SPEED	VELOCITY
ACCELERATION	FORCE	NEWTON

VOCABULARY II:

NET FORCE	FRICTION	GRAVITY
MASS	WEIGHT	

LAB: SPEED

TEACHER DEMONSTRATION (S)

WEB SITES OF INTEREST: www.scilinks.org (HSTP110)

CLASSWORK:

REVIEW SHEETS
DIRECTED READING
SCIENCE SKILLS

HOMEWORK:

VOCABULARY LISTS
REINFORCEMENTS
CONCEPT MAP
CHAPTER REVIEW P.132 EX. 1-10 & 14 E/C=18

SUPPLEMENTAL PORTFOLIO:

PROBLEM SOLVING	MATH IN SCIENCE	VIDEOS
ENRICHMENT	NEWSPAPER ARTICLES	PUZZLERS
CHALLENGE	REPORTS	ET AL

