

NAME \_\_\_\_\_

GROUP \_\_\_\_\_

## CHAPTER 6 SYLLABUS

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

**PERFORMANCE INDICATOR: (1) DESCRIBE THE MOTION OF OBJECTS USING KNOWLEDGE OF NEWTON'S LAWS.**

### OBJECTIVES:

1. WHAT IS TERMINAL VELOCITY?
2. WHEN IS AN OBJECT IN FREE FALL?
3. WHAT IS A PROJECTILE?
4. WHAT IS INERTIA?
5. WHAT IS MOMENTUM?
6. STATE NEWTON'S FIRST LAW OF MOTION.
7. STATE NEWTON'S SECOND LAW OF MOTION.
8. STATE NEWTON'S THIRD LAW OF MOTION.
9. STATE NEWTON'S SECOND LAW MATHEMATICALLY.
10. WHAT IS THE EQUATION FOR MOMENTUM?

### VOCABULARY I:

TERMINAL VELOCITY    FREE FALL    PROJECTILE MOTION  
INERTIA    MOMENTUM

### LAB: QUITE A REACTION

#### TEACHER DEMONSTRATION (S)

WES SITES OF INTEREST: [www.scilinks.org](http://www.scilinks.org) HSTP145

### CLASSWORK:

REVIEW SHEETS  
DIRECTED READING  
SCIENCE SKILLS

### HOMEWORK:

VOCABULARY LISTS  
REINFORCEMENTS  
CONCEPT MAP  
CHAPTER REVIEW P.156 EX. 1-11 E/C=19

### SUPPLEMENTAL PORTFOLIO:

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