**PHYSICS UNIT LEARNING GOALS**

**By the end of Chapter 8 you should be able to:**

* Define displacement, time interval, and average velocity
* Analyze graphically the relationship between displacement and time interval for an object displaying characteristics of uniform motion
* Explain the relationship of displacement and timer interval to average velocity for objects displaying characteristics of uniform motion
* Observe and measure displacement and time
* Graph the relationship between position and time for object displaying characteristics of uniform motion

**By the end of Chapter 9 you should be able to:**

* Define acceleration
* Demonstrate the relationship of velocity, timer interval, and acceleration
* Determine acceleration given initial velocity, final velocity and timer interval
* Distinguish and give examples of positive, negative and zero acceleration
* Measure velocity and time using appropriate equipment
* Graph the relationship between velocity and time