**Chapter 7 Lesson 1**

**Position, Motion, and Speed**

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***Terms:***

***Distance:*** the space between 2 objects

***Motion:*** a constantly changing position

***Position:*** the location of an object

***Speed:*** the distance that an object moves in a certain amount of time

***Velocity:*** the speed and direction in which an object is moving

Notes:

***Motion:***

The change in position, of an object and has speed, velocity, and sometime acceleration.

***Force:***

Can start or stop motion, or they can change the direction of motion. Forces include friction and gravity.

Clue words that describe position:

 **Right Below Behind**

Word to describe how far apart something is: **Distance**

Speed= distance over a period of time

**Speed= distance ÷ time**

**Velocity** describes **speed** and **direction**

**Speed** can be described as velocity by adding direction.

**Pendulum** changes velocity by every swing.