**Metric System Study Guide**

**3 Categories of Measurement and the metric units**

* Linear (meter)
* Weight (gram)
* Capacity (liter)

**Appropriate Units -** Be able to choose the most appropriate unit to measure real world items

* + Example: football field = meters
  + Example: bowling ball = kilograms
  + Example: large bottle of soda = liters

**Metric Prefixes -** Be prepared to fill in a metric chart in the correct order

* kilo-, hecto-, deka-, (m,g,L) deci-, centi-, milli-

**Conversions**

* Make one-step conversions within the 3 metric units
  + Example: 23m = \_\_\_\_\_\_\_\_ cm
  + Example: 325mg = \_\_\_\_\_\_\_ g
  + Example: 7.8kL = \_\_\_\_\_\_\_ L

**Physical Measurement (Lab practical)**

* Measure items to the nearest millimeter (using a ruler)
* Weigh items to the nearest gram (using a pan scale)