Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Butala/Jensen/Kane/Macchio Grade 6 Final Outline

**Lab Safety**

* Know the safety symbols- electrical hazard, poison hazard, etc.
* Lab equipment – graduated cylinder, scalpel, beaker, etc.
* Microscope – parts of it, how to use it, total magnification, the difference between a simple and compound microscope
* Triple Beam Balance – parts of a TBB, how to read the riders on a TBB
* How to read a graduated cylinder, what a meniscus line is

**Metric system**

* Metric conversions (K H D m,L,g, d c m)
* What measurements are used on a triple beam balance and graduated cylinder, and metric ruler
* How to use a metric ruler

**Volume**

* How to find the volume of a regular shaped object (Box)
* Formula for volume
* How to find the volume of an irregular shaped object (marble)
* Water displacement method

**Variables**

* Independent variable
* Dependent variable
* Controlled variable (constant)

**Scientific Method**

* Purpose
* Research
* Hypothesis
* Experiment
* Analysis
* Conclusion

Qualitative/Quantitative observations

Observing and Inferring

**Matter**

* What makes up a solid, liquid, gas
* Physical changes
* Chemical changes

**Weathering**

* Mechanical weathering
* Chemical weathering
* Ice wedging

**Atmosphere**

* 4 layers of the atmosphere
* Air pollution
* Global warming

**Solar System**

* Planets in order from the sun
* Differences between inner and outer planets
* Features a planet must have for living organisms to survive
* Moon phases
* Difference between rotation and revolution

**Cells**

* Homeostasis

**Weather**

* Water cycle
* Condensation, precipitation, evaporation

**Graphing**

* Pie graphs
* Bar graphs
* Line graphs

**Kingdoms**

* Name the kingdoms and know basic differences