The following topics may be found on the MAP Test, please review those that you are unsure of.  Take notes in your science notebooks while you are viewing the videos.  You will be sharing at least 10 different things that you learned/relearned throughout the course of your studying.

\*\*These are just some of the videos you might need to use to review, if you see something listed on the “need to know” section that I should link a video for, please let me know\*\*

* ecosystems: [http://www.brainpop.com/science/ecologyandbehavior/ecosystems/](http://www.brainpop.com/science/ecologyandbehavior/ecosystems/preview.weml)
* energy pyramid:<http://www.brainpop.com/science/energy/energypyramid/>
* food chains/webs:<http://www.brainpop.com/science/ecologyandbehavior/foodchains/>;<http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-webs.htm>
* natural resources: [http://www.brainpop.com/science/ourfragileenvironment/naturalresources/](http://www.brainpop.com/science/ourfragileenvironment/naturalresources/preview.weml)
* classification:<http://www.brainpop.com/science/diversityoflife/classification/>
* vertebrates/invertebrates: [http://www.brainpop.com/science/diversityoflife/vertebrates/](http://www.brainpop.com/science/diversityoflife/vertebrates/preview.weml); [http://www.brainpop.com/science/diversityoflife/invertebrates/](http://www.brainpop.com/science/diversityoflife/invertebrates/preview.weml)
* animal adaptations:<http://studyjams.scholastic.com/studyjams/jams/science/animals/animal-adaptations.htm>
* plant adaptations:<http://studyjams.scholastic.com/studyjams/jams/science/plants/plant-adaptations.htm>
* variables & scientific inquiry:<http://www.brainpop.com/science/scientificinquiry/scienceprojects/>
* erosion:<http://www.brainpop.com/science/earthsystem/erosion/>
* types of rocks:<http://www.brainpop.com/science/earthsystem/typesofrocks/>
* rock cycle:<http://www.brainpop.com/science/earthsystem/rockcycle/>
* electric circuits:<http://www.brainpop.com/science/energy/electriccircuits/>
* states of matter:<http://www.brainpop.com/science/matterandchemistry/matterchangingstates/>
* human/environment:<http://www.brainpop.com/science/ourfragileenvironment/humansandtheenvironment/>

These are the things you will need to know/be able to do for the test:

Force & Motion

* explain the relationship between mass and force
* identify uses of simple machines
* predict how simple machines affect the force needed to do work
* explain how work is done
* identify forces of magnetism
* describe the motion of objects
* diagram a complete electrical circuit

Plants & Animals

* describe how specialized body structures help animals survive
* match environments to the plants and animals they support
* identify plant parts and their functions
* classify vertebrates and invertebrates
* classify producers, consumers, or decomposers
* predict changes in food chains
* identify the effects of human activities on other organisms

Earth Science

* classify bodies of water
* describe changes in properties of matter
* identify energy transformations
* predict the effect of heat energy on water
* describe the effects of weathering and erosion on Earth’s surface
* describe relationships in weather data
* explain how the Sun’s position and the length and position of shadows relate to the time of day
* identify weather instruments and their uses
* distinguish between manmade and natural objects
* identify characteristics of the solar system
* describe the Sun as a source of light and heat, or the moon as a reflector of light
* explain the day/night cycle

Scientific Inquiry

* compare amounts/measurements given in a simple format
* determine the appropriate scientific tool and its function in an investigation
* determine how technological advances address problems and enhance life
* identify environmental problems and find solutions
* construct part of a graph
* identify characteristics and variables of a fair test
* interpret data and make predictions
* draw conclusions based on evidence
* apply problem solving skills to a situation
* interpret and apply knowledge from a data table
* identify appropriate steps, tools and metric units in an investigation
* construct a graph and plot data
* formulate a question for an investigation