



# Alignment Document

## State of Tennessee And Aventa Learning Earth Science

### Earth Science 2005-2007 Benchmark Blueprint

State Standard Number	State Standard Area / Description	Unit Name	Course Topic Description
0	Earth Science		
1.0	Earth System		
1.1	explore the theories of the origin of the universe and its vastness.	Earth and Space	The Solar System and the Universe
1.2	examine the components of the solar system.	Earth and Space	The Solar System and the Universe
1.3	examine the sun, earth, moon relationships and their gravitational effects.	Earth and Space	Earth and the Moon and also The Solar System and the Universe
1.4	investigate the exploration of space.	Earth and Space	Exploring Space
2.0	Energy in the Earth System		
2.1	investigate energy sources.	Planet Earth	Earth as a Complex System
2.2	explore energy transfer pathways.	Planet Earth	Earth as a Complex System
2.3	evaluate alternative energy sources.		
3.0	Cycles in the Earth System		
3.1	explain the components of the tectonic cycle.	Plate Tectonics, Volcanoes, Earthquakes and Deformation	Internal Structure of the Earth
3.2	investigate the rock cycle.	Minerals, Rocks and the Rock Cycle	The Rock Cycle
3.3	analyze the hydrologic cycle.	Planet Earth	Earth as a Complex System
3.4	interpret and assimilate data related to the atmospheric cycle.	The History of Earth and the Atmosphere	The Atmosphere



3.5	differentiate between the geo-chemical (Earth system) cycles.	Planet Earth	Earth as a Complex System
3.6	evaluate the role of living organisms within the Earth system cycles.		
3.7	investigate maps.		
4.0	Geologic History		
4.1	interpret and evaluate the nature of geologic time.	The History of Earth and the Atmosphere	The History of Earth
4.2	investigate the evolution of Earth.	Earth and Space	The Solar System and the Universe
4.3	interpret and evaluate the evidence for biological evolution in the fossil record.	The History of Earth and the Atmosphere	The History of Earth
4.4	demonstrate the effect of the environment on the formation and extinction of species.		