Earth Science Institute II June 30, 2010
Day 8 Correlation of EarthComm Curriculum and HSCE's

EarthComm Curriculum Unit Code	
EDG1 = Earth's Dynamic Geospheres: Chapter 1, Volcanoes **EDG2** = Earth's Dynamic Geospheres: Chapter 2, Plate Tectonics **EDG2** = Earth's Dynamic Geospheres: Chapter 3, Earthquakes **EFS1** = Earth's Fluid Spheres: Chapter 1, Oceans **ENR1** = Earth's Natural Resources: Chapter 1, Energy Resources	**ENR3** = Earth's Natural Resources: Chapter 3, Water Resources **ESE1** = Earth System Evolution: Chapter 1, Astronomy **ESE2** = Earth System Evolution: Chapter 2, Climate Change **ESE3** = Earth System Evolution: Chapter 3, Changing Life

Location: GRPS-Glacial Evidence and Models	
EarthComm Connections	**ESE2** = Earth System Evolution: Chapter 2, Climate Change, Activity 2, p. E91, Activity 3, p. E28

Learning Outcomes:	**HSCE**
o Explain why the Earth is essentially a closed system in terms of matter.	E2.1A
o Analyze the interactions between the major systems (geosphere, atmosphere, hydrosphere, and biosphere) that make up the Earth.	E2.1B
o Explain, using specific examples, how a change in one system affects other Earth systems.	E2.1C
o Describe natural mechanisms that could result in significant changes in climate (e.g., major volcanic eruptions, changes in sunlight received by the earth, and meteorite impacts).	E5.4B

Location: Glacial Till/Outwash Quarry	
EarthComm Connections	**ESE2** = Earth System Evolution: Chapter 2, Climate Change, Activity 2, p. E91, Activity 3, p. E28

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o Describe natural mechanisms that could result in significant changes in climate (e.g., major volcanic eruptions, changes in sunlight received by the earth, and meteorite impacts).	E5.4B