		~~EARTH.1.C~~	~~use the school's technology and information systems in a wise and ethical manner.~~	
		~~EARTH.2.A~~	~~know the definition of science and understand that it has limitations, as specified in subsection (b)(2) of this section;~~	
SCIENCE	EARTH.2.D(i) 33.6 0 48.37 0 Tm (s44.16) 0 Tc 0 Tw [(-0.1 0 0 1 0 0 Tm [(-0.1 0 0 1 0 0 Tm [(-0.1 0 0 1 0 0 Tm

SCIENCE.EARTH.10C	analyze how global surface ocean circulation is the result of wind, tides, the Coriolis effect, water density differences, and the shape of the ocean basins.			
SCIENCE.EARTH.11	Science concepts. The student knows that dynamic and complex interactions among Earth's systems produce climate and weather. The student is expected to:	EARTH.15	~~Fluid Earth~~. The student knows that interactions among Earth's five subsystems influence climate and ~~resource availability~~, ~~which affect Earth's habitability~~. The student is expected to:	
SCIENCE.EARTH.11A	analyze how energy transfer through Milankovitch cycles, albedo, and differences in atmospheric and surface absorption are mechanisms of climate;	EARTH.14.A	analyze ~~the uneven distribution of solar~~ energy ~~on Earth's surface, including~~ differences in atmospheric ~~transparency, surface~~ albedo, ~~Earth's tilt, duration of insolation, and differences in~~ atmospheric and surface absorption ~~of energy;~~	
SCIENCE.EARTH.11B	describe how Earth's atmosphere is chemically and thermally stratified and how solar radiation interacts with the layers to cause the ozone layer, the jet stream, Hadley and Ferrel cells, and other atmospheric phenomena;			
SCIENCE.EARTH.11C	model how greenhouse gases trap thermal energy near Earth's surface;	EARTH.14.B	~~investigate~~ how ~~the atmosphere is heated from~~ Earth's surface ~~due to absorption of solar energy, which is rerradiated as~~ thermal energy ~~and~~ trapped ~~by selective absorbers~~; and	
SCIENCE.EARTH.11D	evaluate how the combination of multiple feedback loops alter global climate;			
SCIENCE.EARTH.11E	investigate and analyze evidence for climate changes over Earth's history using paleoclimate data, historical records, and measured greenhouse gas levels;	EARTH.15.B	investigate evidence ~~such as ice cores, glacial striations, and fossils for climate variability and its use in developing computer models to explain present and predict future~~ climates;	
SCIENCE.EARTH.11F	explain how the transfer of thermal energy among the hydrosphere, lithosphere, and atmosphere influences weather; and	EARTH.14.C	explain how thermal energy transfer ~~between the ocean and~~ atmosphere ~~drives surface currents, [illegible] currents, and evaporation that~~ influence ~~climate~~.	[illegible] surface El d604f()Tjthsu[illegible]
SCIENCE.EARTH.11G	describe how changing surfacerocean conditions, including El NiñorSouthern Oscillation, affect global weather and climate patterns.	EARTH.15.A	describe how changing surfacerocean conditions, including El NiñorSouthern Oscillation, affect global weather and climate patternshydrosphere,	
	weatherdescribe changing surfacerocean conditions, including [illegible]	[illegible]	[illegible] 0.656 1d (describe)1j /11_0 1 1f ( )1j /111 1 1 1f ( )1j /111 1 1 1f 5.745 0 1d (currents,)1j /stor1520 1d (that)1j /11_0 1 1f ( )1j /1 g /111 1ola(how)1j /1ow	

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