

**Correlation of EarthComm With the
Chicago Public Schools Earth and Space Science Blueprint**

Supporting Idea No. And Topic	Earth's Dynamic Geosphere	Earth's Fluid Sphere	Earth's Natural Resources	Earth System Evolution	Understanding Your Environment
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Conceptual Statement 1: Physical and Chemical Aspects of the Earth's Lithosphere

<i>1. Atomic Structure</i>		3-1	2-2		
<i>2. Bonding</i>	1-1	3-1	1-1, 2-2 2-6		2-2
<i>3. Minerals</i>			2-2		
<i>4. Mineral Testing</i>			2-2		
<i>5. Measurement</i>	2-3	3-1	2-2		
<i>6. Rocks</i>					1-1; 1-2 1-3; 1-4
<i>7. Igneous Rocks</i>	1-6				1-2 1-4
<i>8. Igneous Intrusions</i>	1-6				1-2, 1-3, 1-4, 1-6, 1-7
<i>9. Sedimentary Rocks</i>					1-1 1-4
<i>10. Sedimentary Features</i>					1-1, 1-4, 1-6, 1-7, 2-2
<i>11. Metamorphic Rocks</i>					1-3 1-4
<i>12. Natural Resources</i>			1-2; 1-3; 1-4 1-6; 1-7 2-1; 2-3; 2-4 2-5; 2-6; 3-1		
<i>13. Alternative Energy</i>			1-1 1-8		
<i>14. Environmental Problems</i>			1-2, 1-4, 1-5, 1-7, 1-8, 2-1, 2-5, 2-6, 3-5, 3-6		3-2, 3-6

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**Conceptual Statement 2: Interpreting the Origin and Evolution of Life Through
the Rock Record**

1. Relative Age					1-6
2. Absolute Age				2-2 3-3	
3. Uniform –itarianism		3-6			
4. Unconformity					1-6
5. Geologic History					1-6 1-7
6. Geologic Time Scale					1-7
7. Fossils				3-1, 3-5	
8. Evolution				3-4 3-5	

**Conceptual Statement 3: The Evolution, Organization, and Structure of the
Universe**

1. Astronomy Technology				1-6	
2. Big Bang Theory				1-1	
3. Galaxies				1-1	
4. Constellations				1-1	
5. Nuclear Fusion and Stellar Energy				1-5	
6. Stellar life Cycle				1-7	
7. Hertzsprung-Russell Diagram				1-7	
8. Features of the Sun				1-5	
9. Planetary				1-3	

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<i>Motion</i>					
10. Planetary Features				1-1	
11. Astronomical Measurement				1-1	
12. Lunar Phases				1-2	
13. Eclipses					
14. Comets and Asteroids				1-4	
15. Meteorites				1-4	

Conceptual Statement 4: Dynamics of Weather and Climate

1. Atmosphere		2-2		2-5	
2. Heat Transfer			1-1, 1-2	2-5 2-6	
3. Greenhouse Effect		3-3 3-4		2-5 2-6	
4. Heat Distribution				2-3 2-4	
5. Heat Capacity		3-1		2-1, 2-4	3-2
6. Air Masses		2-1			
7. Storms		2-1; 2-2 2-3; 2-4 2-5; 2-6			
8. Air Pressure		2-1 2-1			
9. Precipitation		2-1 2-1			
10. Weather Maps		2-1			
11. Climate		3-7		2-1; 2-2 2-3; 3-3 3-4	
12. El Niño		1-5			

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Conceptual Statement 5: Movement and Characteristic of Ocean Water

1. Surface Currents		1-1; 1-3 1-4		2-4	
2. Deep Ocean Currents		2-2			
3. Ocean Temperature		1-1			
4. Upwelling		1-4 1-6			
5. Ocean Research					
6. Ocean Water Movement				1-2	

Conceptual Statement 6: Plate Tectonics and Geologic Processes

1. Latitude and Longitude	2-1				
2. Pangea	2-5			2-4, 2-5	1-7
3. Continental Drift	2-5			2-4	
4. Plate Tectonics	2-1 2-4				
5. Convection in Mantle	2-1 2-3				
6. Plates and Geologic Features	1-1 2-4			2-4	1-7
7. Movement at Plate Boundaries	2-2				
8. Divergent Plate Boundaries	2-2				
9. Convergent Plate Boundaries	2-2				1-5
10. Transform Fault Plate Boundaries	2-2				
11. Volcanoes	1-2; 1-3 1-4;1-5;1-7				
12. Volcanic Hot Spots	1-1				

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<i>13. Faults</i>	3-1, 3-4		2-4		1-5, 1-7
<i>14. Earthquakes</i>	2-1, 2-3, 3-1; 3-2 3-3; 3-4 3-5; 3-6				1-5
<i>Conceptual Statement 7: Forces That Reshape the Earth's Surface</i>					
<i>1. Topographic Maps</i>	1-2, 1-3, 2-1	2-4	3-1	2-1	2-1, 2-4, 3-4
<i>2. Weathering</i>				2-4	1-2, 1-4, 1-6, 3-5
<i>3. Types of Weathering</i>		3-1			3-4
<i>4. Soil</i>					3-5
<i>5. Erosion</i>					1-2, 1-4, 1-6, 2-3
<i>6. Sediment Movement</i>					2-3 2-5
<i>7. Rivers</i>					2-1; 2-4 3-1
<i>8. Flooding</i>		2-4 3-6			2-2 3-3
<i>9. Glaciers</i>		3-2; 3-3 3-4; 3-5 3-6		2-1, 2-2, 3-3	
<i>10. Ice Ages</i>		3-3		2-2 3-4	
<i>11. Waves</i>		1-1			
<i>12. Karst Topography</i>					
<i>13. Groundwater</i>			1-5, 2-5, 3-2		1-3, 2-2
<i>14. Water Cycle</i>	1-5	3-3	3-1 3-4		2-5