

# TURNING POINTS IN THE PHYSICAL SCIENCES

45003

## Sunshine State Standards Correlation and Key Words

---

<i>MSN</i>	<i>Program Title</i>
1	4500301 <b>TPPS 130-1819</b>
	<b>SSS</b> SC.E.1.4, SC.H.1.4, SC.H.2.4, SC.C.2.4, SS.A.3.4.5
	<b>Key words</b> Ptolemy, Galileo, astronomy, Copernicus, Kepler, motion, gravity, inertia, solar system, Newton, Principia, velocity, acceleration, calculus, celestial mechanics, Halley, Laplace, electricity, Franklin, Galvani, Volta, Nicholson, electrolysis, fuel cell, elements, Boyle, alchemists. Philosopher's stone, Skeptical Chemist, Priestley, Lavoisier, Cavendish, Dalton, periodic table, atomic nature of matter, light, ether, Thomas Young, Maxwell, Fraunhofer, spectroscope, spectral analysis, particle
2	4500302 <b>TPPS 1820-1845</b>
	<b>SSS</b> SC.A.1.4, SC.B.1.4, SC.B.2.4, SC.H.3.4, SS.A.3.4
	<b>Key words</b> magnetism, Gilbert, Oersted, electromagnetism, Faraday, thermodynamics, Rumford, Fahrenheit, Joule, Carnot, perpetual motion, entropy, Lyell, geology, James Hall, Maxwell, Ice age, Agassiz, climate shifts, greenhouse effect, Tyndall, Milanovich, Dopler, s sound,
3	4500303 <b>TPPS 1846-1902</b>
	<b>SSS</b> SC.B.1.4, SC.B.2.4, SC.A.2.4,
	<b>Key words</b> solar system, asteroid, Piazzi, astronomy, Tombaugh, Maxwell, induction, force, electromagnetism, light, radio waves, Hertz, Marconi, periodic table, elements, Mendeleev, x-ray, radioactivity, waves, Herschel, color temperature, Roentgen, cathode ray, Cu Curie, subatomic particle, electrons, Rutherford, neutron, proton,
4	4500304 <b>TPPS 1903-1928</b>
	<b>SSS</b> SC.A.1.4, SC.A.2.4, SC.C.1.4, SC.C.2.4, SC.H.1.4, SC.H.2.4, SC.H.3.4
	<b>Key words</b> Poincare, chaos theory, Lorenz, butterfly effect, Mandelbrot, fractals, simple systems, artificial intelligence, Einstein, relativity, Boltwood, nuclear physics, half-life, Libby, cosmic rays, carbon 14, Wegener, Pangaea, continental drift, McKenzie, pl plate tectonics, wave-particle duality, quantum mechanics, atoms,

---

5 4500305 **TPPS 1929-2004**

**SSS** SC.A.2.4, SC.D.1.4, SC.D.2.4, SC.E.2.4, SC.H.1.4, SC.H.2.4, SC.H.3.4

**Key words** Hubble, nebula, globular clusters, Parsons, galaxy, Shapley, Cepheid, Big Bang, Chain reaction, Strassmann, Manhattan Project, fission, Maarten Schmidt, quasars, black hole, Murray Gell-Mann, Pauli, Fermi, neutrino, quarks, Hawking, White Dwarfs, Neutron stars, pulsars, black hole, Great Attractor, dark matter,