

## Science

### HS Physical (Chemistry) Essential Standards

<u>Essential Standard</u>	<u>Enduring/Priority?</u> <i>"I think this has endurance because..."</i>	<u>Leverage?</u> <i>"Value in multiple disciplines"</i>	<u>Rigorous?</u> <i>"Depth of knowledge?"</i>	<u>Readiness for the Next Level of Learning?</u> <i>"Next instruction/grade level"</i>
PS1-1	How can the <b>periodic table</b> be used to predict <b>elemental properties</b> ? (Also in Earth Sci/Phys)			WCAS, College or career.
PS1-2	What are <b>chemical reactions</b> ? <b>Valence electrons</b> ? <b>Periodic trends</b> ? <b>Patterns of chemical properties</b> ?			WCAS, College or career.
PS1-7	How is atomic <b>mass conserved</b> in a chemical reaction?			WCAS, College or career.
PS1-8	What are <b>fission, fusion and radioactive decay</b> ?			WCAS, College or career.
PS3-2	What is <b>kinetic-molecular theory</b> ?			WCAS, College or career.
PS4-1	How are the components of <b>waves</b> related? (Also in Earth Sci/Phys)			WCAS, College or career.
PS4-3	What is the <b>wave/particle</b>			WCAS, College

	<b>duality of electromagnetic radiation?</b>			or career.