

4th Nine Weeks: Scope and Sequence-Dumas

<h2 style="text-align: center;">Content Standards</h2>	Dates Taught	% of Students scoring over 70%	Dates Re-taught (Optional)	Formative and Summative Assessments/ (Any Additional Comments Optional)
<p>ACOS(6) Describe wave behavior in terms of reflection, refraction, diffraction, constructive and destructive wave interference, and the Doppler effect.</p> <p>Explaining reasons for differences in speed, frequency, and wavelength of a propagating wave</p> <p>Describing uses of different components of the electromagnetic spectrum, including radio waves, microwaves, infrared radiation, visible light, ultraviolet radiation, X-rays, and gamma radiation</p> <p>Demonstrating particle and wave duality</p> <p>Describing the change of wave speed in different media</p>				
<p>ACOS(7) Describe properties of reflection, refraction, and diffraction</p> <p>>Examples: Tracing the path of a reflected light ray, predicting the formation of reflected images through the tracing of rays</p> <p>Demonstrating the path of light through mirrors, lenses, and prisms</p> <p>>Example: tracing the path of a reflected light ray through prisms using Snell's law</p> <p>Describing the effect of filters and polarization on the transmission of light</p>				
<p>Chapters 11-15 for the above</p>				
<p>ACOS (8) Summarize similarities in the calculation of electrical, magnetic, and gravitational forces between objects.</p> <p>Determining the force on charged particles using Coulomb's law</p>				
<p>ACOS (9) Describe quantitative relationships among charge, current, electrical potential energy, potential difference, resistance, and electrical power for simple series, parallel, or combination direct current (DC) circuits.</p>				