

<b>Course Title: Physics 1, Physics 1 Honors, Integrated Science 3 (edited 12.1.15)</b>			
<b>Course Number: 2003380, 2003390, 2002440</b>			
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Questions</b>	<b>Suggested Cognitive Complexity (per CPALMS)</b>
<b>Reporting Category 1: Methods of Scientific Investigation</b>			
SC.912.N.1.2	Scientific method	1	1 level 2
SC.912.N.1.6	Scientific inferences	1	1 level 2
SC.9.12.N.3.2	Developing theories	1	1 level 3
SC.9.12.N.3.3	Scientific laws	1	1 level 2
SC.9.12.N.3.5	Scientific models	1	1 level 1
<i>Reporting Category Total</i>		5	
<b>Reporting Category 2: Mechanics (Motion)</b>			
SC.912.P.12.1	Scalars and vector quantities	2	2 level 2
SC.912.P.12.2	1-dimensional motion with constant acceleration	4	1 level 1 2 level 2 1 level 3
SC.912.P.12.9	Frames of reference	1	1 level 2
SC.912.P.12.3	Newton's three laws of motion	5	1 level 1 3 level 2 1 level 3
SC.912.P.10.10	Four fundamental forces of the universe	1	1 level 1
SC.912.P.12.4	Universal gravitation	1	1 level 2
SC.912.P.10.1	Kinetic and potential energy	4	1 level 1 2 level 2 1 level 3
SC.912.P.10.3	Work and power	4	1 level 1 2 level 2 1 level 3
SC.912.P.12.5	Linear momentum and collisions	2	1 level 2 1 level 3
<i>Reporting Category Total</i>		24	
<b>Reporting Category 3: Waves (Sound, Light, and Optics)</b>			
SC.912.P.10.20	Properties of waves, refraction, reflection, wave types	3	1 level 1 1 level 2 1 level 3
SC.912.P.10.18	Electromagnetic spectrum	1	1 level 2
<del>SC.912.P.10.22</del>	<del>Lenses and mirrors</del>	<del>3</del>	<del>1 level 1</del> <del>1 level 2</del> <del>1 level 3</del>
<i>Reporting Category Total</i>		7	
<b>Reporting Category 4: Electricity and Magnetism</b>			
SC.912.P.10.15	Electrical circuits	3	1 level 1 2 level 2
SC.912.P.10.14	Conductors and insulators	1	1 level 2
<i>Reporting Category Total</i>		4	
<b>Reporting Category 5: Thermodynamics</b>			
<del>SC.912.P.10.5</del>	<del>Kinetic theory: Temperature</del>	<del>2</del>	<del>2 level 2</del>
<del>SC.912.P.8.1</del>	<del>Four states of matter</del>	<del>1</del>	<del>1 level 1</del>
<del>SC.912.P.10.4</del>	<del>Convection, conduction and radiation</del>	<del>2</del>	<del>2 level 2</del>
<i>Reporting Category Total</i>		5	

Overall Percentage for Written Test: 100%