

<b>INTRODUCTION</b> .....	<b>IV</b>
<b>CHAPTER 1: MATTER</b>	
<b>Section 1 – <i>What is Matter?</i></b> .....	<b>1</b>
<b>Section 2 – <i>Atoms &amp; Elements</i></b> .....	<b>2</b>
<b>Section 3 – <i>Compounds &amp; Mixtures</i></b> .....	<b>3</b>
<b>Demonstration</b> .....	<b>4</b>
<b>Lab Activity</b> .....	<b>5</b>
<b>CHAPTER 2: DESCRIBING MATTER</b>	
<b>Section 1 – <i>Properties</i></b> .....	<b>6</b>
<b>Section 2 – <i>States of Matter</i></b> .....	<b>7</b>
<b>Section 3 – <i>Changing States of Matter</i></b> .....	<b>8</b>
<b>Section 4 – <i>Physical &amp; Chemical Changes</i></b> .....	<b>9</b>
<b>Demonstration</b> .....	<b>10</b>
<b>Lab Activity</b> .....	<b>11</b>
<b>CHAPTER 3: MOTION &amp; FORCES</b>	
<b>Section 1 – <i>Speed, Velocity &amp; Acceleration</i></b> .....	<b>12</b>
<b>Section 2 – <i>Balanced &amp; Unbalanced Forces</i></b> .....	<b>13</b>
<b>Section 3 – <i>Newton’s Laws of Motion</i></b> .....	<b>14</b>
<b>Demonstration</b> .....	<b>15</b>
<b>Lab Activity</b> .....	<b>16</b>
<b>CHAPTER 4: WORK &amp; ENERGY</b>	
<b>Section 1 – <i>Work &amp; Simple Machines</i></b> .....	<b>17</b>
<b>Section 2 – <i>Kinetic &amp; Potential Energy</i></b> .....	<b>18</b>
<b>Demonstration</b> .....	<b>19</b>
<b>Lab Activity</b> .....	<b>20</b>

**CHAPTER 5: HEAT**

Section 1 – <i>Temperature</i> . . . . .	21
Section 2 – <i>Heat Transfer</i> . . . . .	22
Demonstration . . . . .	23
Lab Activity . . . . .	24

**CHAPTER 6: SOUND**

Section 1 – <i>Waves</i> . . . . .	25
Section 2 – <i>Wave Interactions</i> . . . . .	26
Section 3 – <i>All About Sound</i> . . . . .	27
Demonstration . . . . .	28
Lab Activity . . . . .	29

**CHAPTER 7: LIGHT**

Section 1 – <i>Properties of Light</i> . . . . .	30
Section 2 – <i>Reflection &amp; Color</i> . . . . .	31
Section 3 – <i>Refraction &amp; Lenses</i> . . . . .	32
Demonstration . . . . .	33
Lab Activity . . . . .	34

**CHAPTER 8: ELECTRICITY**

Section 1 – <i>Electrical Charge &amp; Force</i> . . . . .	35
Section 2 – <i>Current</i> . . . . .	36
Section 3 – <i>Types of Circuits</i> . . . . .	37
Demonstration . . . . .	38
Lab Activity . . . . .	39

**CHAPTER 9: MAGNETISM**

Section 1 – <i>Magnets &amp; Magnetic Fields</i> . . . . .	40
Section 2 – <i>Electricity &amp; Magnetism</i> . . . . .	41
Demonstration . . . . .	42
Lab Activity . . . . .	43