

<b>Engineering Foundations</b>	
<b>Items</b>	<b>Standard</b>
<b>2) CONTENT STANDARD 2.0: IDENTIFY LAB ORGANIZATION AND SAFETY PROCEDURES</b>	
<b>17</b>	<b>1) Performance Standard 2.1: Demonstrate General Lab Safety Rules and Procedures</b>
<b>2</b>	<b>2) Performance Standard 2.2: Use Tools and Equipment Safely</b>
<b>3) CONTENT STANDARD 3.0: ASSESS THE IMPACT OF ENGINEERING ON SOCIETY</b>	
<b>3</b>	<b>2) Performance Standard 3.2: Analyze Ethics in Engineering</b>
<b>4) CONTENT STANDARD 4.0: ANALYZE THE ENGINEERING DESIGN PROCESS</b>	
<b>7</b>	<b>1) Performance Standard 4.1: Interpret the Engineering Design Process</b>
<b>5) CONTENT STANDARD 5.0: CONSTRUCT ENGINEERING DOCUMENTATION</b>	
<b>3</b>	<b>1) Performance Standard 5.1: Demonstrate Freehand Technical Sketching Techniques</b>
<b>14</b>	<b>2) Performance Standard 5.2: Demonstrate Measuring and Scaling Techniques</b>
<b>4</b>	<b>3) Performance Standard 5.3: Use Engineering Documentation Procedures</b>
<b>15</b>	<b>4) Performance Standard 5.4: Produce Technical Drawings</b>
<b>6) CONTENT STANDARD 6.0: INVESTIGATE MATERIAL PROPERTIES</b>	
<b>9</b>	<b>2) Performance Standard 6.2: Analyze the Strength of Materials</b>
<b>7) CONTENT STANDARD 7.0: APPLY FUNDAMENTAL POWER SYSTEMS AND ENERGY PRINCIPLES</b>	
<b>7</b>	<b>1) Performance Standard 7.1: Investigate Power Systems and Energy Forms</b>
<b>4</b>	<b>2) Performance Standard 7.2: Identify and Use Energy Sources and Applications</b>
<b>4</b>	<b>3) Performance Standard 7.3: Identify and Use Energy Sources and Applications</b>
<b>3</b>	<b>4) Performance Standard 7.4: Identify and Use Machine Control Systems</b>
<b>5</b>	<b>5) Performance Standard 7.5: Identify and Use Basic Fluid Systems</b>
<b>1</b>	<b>6) Performance Standard 7.6: Identify Thermodynamics</b>
<b>8) CONTENT STANDARD 8.0: APPLY STATISTICS AND KINEMATIC PRINCIPLES</b>	
<b>1</b>	<b>1) Performance Standard 8.1: Use Statistics</b>
<b>1</b>	<b>2) Performance Standard 8.2: Use Kinematic Principles</b>
<b>100</b>	<b>Total Correlations</b>