<table>
<thead>
<tr>
<th>Section/Topic</th>
<th>Hour</th>
<th>Teaching Outline</th>
<th>Learning Objectives</th>
<th>Text / Resources</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chapter 2</strong></td>
<td></td>
<td><strong>Instructor should:</strong></td>
<td><strong>Students should be able to:</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>Unit 9 Electrical Formulas</strong></td>
<td>50</td>
<td>Identify the basic components of the electric circuit</td>
<td>Understand components of electrical circuits</td>
<td>Text Basic Electrical Theory</td>
<td></td>
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<tr>
<td>Section 9.0 – 9.4</td>
<td></td>
<td>State some advantages of AC over DC especially in respect to power transmission and distribution</td>
<td>Explain both types of current, direct and alternating</td>
<td>Presentation Chapter 2, Unit 9</td>
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<td></td>
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<td>List the best electrical conductors in order</td>
<td>State in order the best conductors of electricity</td>
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<td></td>
<td></td>
<td>Discuss all contributing factors in determining overall resistance in a circuit</td>
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<tr>
<td><strong>Chapter 2</strong></td>
<td>51</td>
<td>Discuss Ohm’s Law in DC and AC Circuits</td>
<td>Demonstrate a mastery of utilizing the power wheel to calculate unknown values for given circuits</td>
<td>Text Basic Electrical Theory</td>
<td></td>
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<tr>
<td><strong>Unit 9 Electrical Formulas</strong></td>
<td></td>
<td>Instruct students on the proper use of the power wheel for calculating circuit values</td>
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<td>Presentation Chapter 2, Unit 9</td>
<td></td>
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<tr>
<td>Section 9.5 – 9.13</td>
<td></td>
<td>Explain aspects of power in relation to losses, cost, and voltage</td>
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<tr>
<td><strong>Chapter 2</strong></td>
<td>52.5</td>
<td>Take this time to review the unit using the unit summary</td>
<td>Successfully pass the unit exam within the program completion requirements</td>
<td>Text Basic Electrical Theory</td>
<td></td>
</tr>
<tr>
<td><strong>Unit 9 Electrical Formulas</strong></td>
<td></td>
<td>Direct students to take the unit quiz online</td>
<td></td>
<td>Presentation Chapter 2, Unit 9</td>
<td></td>
</tr>
<tr>
<td><strong>Review &amp; Quiz</strong></td>
<td></td>
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<td></td>
<td>Service Mike Holt’s Online Testing Service</td>
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</tbody>
</table>

**Year One 2nd Quarter**

Mike Holt Enterprises, Inc

Day 15