



Revised: 02/19/2019  
Board Approved: April 2019

# JC Schools Woodworking I Yearly Standards

Overarching Standards		
<b>9-12.WW.LO.01</b> Recall and follow safety rules in the basic operations of hand and power tools		
Units	Priority Standards	Supporting Standards
<b>Unit 1</b>  Shop Knowledge  8 Days	<b>9-12.WW.LO.02</b> Identify careers relating to the woodworking industry  <b>9-12.WW.LO.03</b> Identify and describe the different woods used in the woodworking industry  <b>9-12.WW.LO.04</b> Identify and describe fasteners used in woodworking	<b>9-12.WW.LO.05</b> Evaluate the proper uses for each fastener and why they are important to the industry
<b>Unit 2</b>  Industrial Math  13 Days	<b>9-12.WW.LO.06</b> Apply knowledge of adding and subtracting fractions to solve practical problems  <b>9-12.WW.LO.07</b> Use basic industry measuring and layout tools	<b>9-12.WW.LO.08</b> Demonstrate an understanding of metric and standard measuring  <b>9-12.WW.LO.09</b> Demonstrate and apply steps used in measuring the length of a board in feet
<b>Unit 3</b>  Hand Tools	<b>9-12.WW.LO.10</b> Utilize hand tools to assemble a project  <b>9-12.WW.LO.21</b>	<b>9-12.WW.LO.11</b> Demonstrate proper handling and care of hand tools  <b>9-12.WW.LO.12</b>

29 Days	Utilize sanding and finishing techniques on a project	<p>Identify and explain major hand tools used in the industry and distinguish the difference between them</p> <p><b>9-12.WW.LO.13</b> Discuss and demonstrate various joints used in woodworking</p> <p><b>9-12.WW.LO.22</b> Identify different grades of abrasives</p> <p><b>9-12.WW.LO.23</b> Demonstrate correct sanding techniques to prepare wood for a finish</p> <p><b>9-12.WW.LO.24</b> Identify the most common finishes used in woodworking</p>
<b>Unit 4</b>  Machine Tools  15 Days	<p><b>9-12.WW.LO.14</b> Utilize machine tools to assemble a project</p> <p><b>9-12.WW.LO.21</b> Utilize sanding and finishing techniques on a project</p>	<p><b>9-12.WW.LO.15</b> Demonstrate proper handling and care of machine tools</p> <p><b>9-12.WW.LO.16</b> Identify and explain major machine tools used in the industry and distinguish the difference between them</p> <p><b>9-12.WW.LO.17</b> Discuss and demonstrate various joints used in woodworking</p> <p><b>9-12.WW.LO.22</b> Identify different grades of abrasives</p> <p><b>9-12.WW.LO.23</b> Demonstrate correct sanding techniques to prepare wood for a finish</p> <p><b>9-12.WW.LO.24</b> Identify the most common finishes used in woodworking</p>
<b>Unit 5</b>  Lathe  19 Days	<p><b>9-12.WW.LO.18</b> Utilize the lathe to assemble a project</p> <p><b>9-12.WW.LO.21</b> Utilize sanding and finishing techniques on a project</p>	<p><b>9-12.WW.LO.19</b> Demonstrate the proper techniques used while operating the lathe</p> <p><b>9-12.WW.LO.20</b> Identify and explain the major parts of the lathe</p>

**9-12.WW.LO.22**

Identify different grades of abrasives

**9-12.WW.LO.23**

Demonstrate correct sanding techniques to prepare wood for a finish

**9-12.WW.LO.24**

Identify the most common finishes used in woodworking