

# EXPLORATORY TECHNOLOGY AGENDA

Week 5/6 March

Date	Classwork	Homework
Monday	<ul style="list-style-type: none"><li>• Work on first side of bridge</li><li>• May begin gluing at this point</li></ul>	None
Tuesday	<ul style="list-style-type: none"><li>• Work on first side of bridge</li><li>• May begin gluing at this point</li></ul>	None
Wednesday	<ul style="list-style-type: none"><li>• Work on 2nd side of bridge</li><li>• Begin Gluing</li></ul>	None
Thursday	<ul style="list-style-type: none"><li>• Work on 2nd side of bridge</li><li>• Begin Gluing</li></ul>	None
Friday	<ul style="list-style-type: none"><li>• Finish 2nd side of bridge</li><li>• Create connecting pieces-Glue on</li><li>• Create connecting pieces</li></ul>	None

# Weekly Learning Objectives & Content Standards

March Week 5/6

Learning Target/Standard	Performance Task	Success Criteria
<p>A. Demonstrate measurement skills <b>15.1301</b></p> <ol style="list-style-type: none"> <li>1. Understand the conceptual difference between 2D and 3D.</li> <li>2. Use measuring tools</li> </ol>	<p>Students will accurately use a standard scale to make measurements on their drawing.</p>	<ul style="list-style-type: none"> <li>● Completed and approved design drawing</li> <li>● Components of bridge measured and cut properly using instruments and design drawing</li> </ul>
<p>C. Demonstrate use and care of hand tools associated with craft/project <b>48.0701</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate proper storage of tools</li> <li>2. Demonstrate ability to properly select and use tools</li> <li>3. Demonstrate ability to select and use measuring devices (e.g. calipers, meters, squares, etc).</li> <li>5. Demonstrate critical thinking in use and care of hand tools associated with craft/project</li> </ol>	<p>Safely measure and cut and shape components of their bridge using the proper tools, in the proper way. (Coping saw, vice, coarse file)</p>	<ul style="list-style-type: none"> <li>● Components of bridge measured and cut properly using instruments and design drawing</li> <li>● No injuries and work area is cleaned with materials and tools put away</li> </ul>
<p>D. Demonstrate basic fabrication techniques <b>48.071</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate fastening methods of wood</li> <li>2. Understand type and strength of wood</li> </ol>	<p>Students will successfully create the proper type of joint for their bridge. They will correctly use the files for this activity.</p>	<ul style="list-style-type: none"> <li>● Joints on the bridge fit together without any gaps or excess glue.</li> </ul>
<p>E. Demonstrate leadership and team skills <b>48.0701</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate time management</li> <li>2. Demonstrate interpersonal skills</li> <li>3. Demonstrate critical thinking</li> <li>4. Demonstrate an understanding of personal skills and abilities</li> </ol>	<p>Students work with their partner to reach expected targeted dates as progressing through the project.</p>	<ul style="list-style-type: none"> <li>● Group is on task and on time reaching completion targets.</li> </ul>

\*State of Michigan CTE Content Standards Covered: **15.1301 Drafting and Design Technology, 48.0701 Woodworking General IX**