



GREAT NECK PUBLIC SCHOOLS

"Where Discovery Leads to Greatness"

#DiscoverGreatness

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Curriculum Profile: Furniture Design and Construction

<u>Department</u>	Technology Education	
<u>Course Name</u>	Furniture Design and Construction	
<u>Course Length</u>	½ year	
<u>High School Credits</u>	.5 unit of credit	
<u>Description</u>	This course will allow students who have completed the course in Personal Projects to further their studies in the area of furniture design and construction. It will provide students with a further look into the use of tools, equipment, and design processes when constructing furniture. Students will ultimately design and build their own detailed piece of furniture. This course is available to students on all grade levels and may be repeated for credit.	
<u>Target/eligible students</u>	11,12	
<u>State Learning Standards Link(s)</u>	https://www.nysed.gov/career-technical-education/technology-education-learning-standards	
<u>Primary texts and materials</u>	The Art of Making Furniture -John Makepeace Woodworking Techniques and Projects -Rosario Capotosto Woodworking with The Router -Bill Hylton and Fred Matlack The Encyclopedia of Furniture Making -Ernest Joyce	
<u>Scope/Sequence</u>		
<u>Unit 1A</u>	Introduction to class and procedures	
<u>Unit 1B</u>	Administrative tasks	
<u>Unit 2</u>	Safety procedures-general shop protocol	
<u>Unit 3</u>	Instruction on safe hand tool usage	
<u>Unit 4</u>	Instruction on safe machine usage	
<u>Unit 5</u>	Safety test	
<u>Unit 6</u>	Introduction to furniture throughout history	
<u>Unit 7</u>	Design techniques	
<u>Unit 8</u>	Sketching and development of working plans Begin designing of projects	
<u>Unit 9</u>	Materials and material selection process Continue designing of projects	
<u>Unit 10</u>	Fabrication techniques and construction Begin construction of projects	
<u>Unit 11</u>	Joinery techniques Continue construction of projects	
<u>Unit 12</u>	Gluing procedures Continue construction of projects	
<u>Unit 13</u>	Assembly techniques Continue construction of projects	
<u>Unit 14</u>	Sanding processes Continue construction of projects	

<u>Unit 15</u>	Finishing procedures Continue construction of projects
<u>Unit 16</u>	Presentation techniques Continue construction of projects
<u>Unit 17</u>	Marketing and sales of furniture
<u>Unit 18</u>	Lab and machine maintenance- shop clean up
<u>Additional Notes</u>	