

Curriculum at a Glance
Technology, Engineering, STEM, Business and Computers
9-12 Woodworking 2

In the DHS Woodworking 2 Program students will design and create advanced projects that show a deep understanding of proper woodworking principles and strong understanding of the design method. Students will display growth and progress in the complexity and rigor of their projects and skills.

First Project	<ul style="list-style-type: none"> ● Entrepreneur Project ● Study of running a business, cost analysis. ● Market product, develop business plan ● Mass production
Second Project	<ul style="list-style-type: none"> ● One device with a secret compartment. ● Application of above skills ● Focus on fine woodworking skills ● Incorporation of advanced fastening and joining techniques
Third Project	<ul style="list-style-type: none"> ● Personal Project ● Application of the above skills
Fourth Project	<ul style="list-style-type: none"> ● 1 Table, any style, any reasonable size ● Study of styles and function ● Application of above skills

Unit Name/Description	Content and/or Skills
-----------------------	-----------------------

<p>Entrepreneurship</p>	<ul style="list-style-type: none"> ● Creation of a business plan ● Mass production, jigs and fixtures ● Market research ● Cost benefit analysis
<p>Planning/Engineering a Project</p>	<ul style="list-style-type: none"> ● Drawing Methods ● Understanding Orthographic Projection ● Multiview drawings ● Line types and uses ● Scaling ● Measuring ● Assembly procedures: fasteners and adhesives
<p>Materials Usage</p>	<ul style="list-style-type: none"> ● Determining Board footage ● Completing a bill of materials ● Calculating material efficiency ● Ordering Materials ● Creating a budget
<p>Machine Usage and Safety</p>	<ul style="list-style-type: none"> ● Machine lessons ● Safety Tests
<p>Advanced Craftsmanship</p>	<ul style="list-style-type: none"> ● Fine woodworking skills ● Joinery