

DEPARTMENT: TECHNOLOGY EDUCATION	COURSE TITLE: WOODCARVING AND SCULPTURE I COURSE NUMBER: 526A
GRADE(S): 9-12	PRE-REQUISITES (IF ANY): NONE

UNIT	LENGTH	CONTENT	SKILLS	METHODS OF ASSESSMENT	FRAMEWORK STRAND(S) & STANDARD(S)
Introduction	3 days	<ul style="list-style-type: none"> • Definitions of woodcarver and sculptor • Definition of craftsman and a craftsman's attitude • Introduction to the classroom and lab facilities • Background of the teacher and what role he or she has played in the wood industry • Various aspects of being an artist and doing commercial art 	Students will: <ul style="list-style-type: none"> • Discuss the use of items made of wood • Develop a list of how their lives interact with the wood industry • Demonstrate what a craftsman 	<ul style="list-style-type: none"> • Class participation • Lists of qualities • Lists of jobs 	STE-4, 9/10, 1.1
Safety	4 days, plus ongoing reinforcement	<ul style="list-style-type: none"> • Evacuation procedures and the location of safety equipment specific to the high school room as well as similar public buildings • Personal safety devices • How industry deals with safety • The Material Safety Data Sheet (MSDS) system • Danger areas around and on machines for both operators and non-operators • The ARHS Safety Manual. • OSHA 	Students will: <ul style="list-style-type: none"> • Identify personal safety devices • Demonstrate the proper evacuation of the classroom and lab in an emergency • Explain the use of the safety devices specific to the wood lab. • Describe MSDS • Demonstrate proper and safe working habits in the lab 	<ul style="list-style-type: none"> • Written quiz or test on safety rules and procedures in the lab, industry and the home workshop • Observation of the adherence to the safety guidelines as outlined in the ARHS Safety Manual. • Written Safety Test 	STE-4, 9/10, 7.2
Introduction to carving wood	2 days	<ul style="list-style-type: none"> • Types of tools used and the safety of handling sharp tools • The growth of wood and the types of wood suitable to wood carving • Drying of wood 	Students will: <ul style="list-style-type: none"> • Recognize quality tools and sharp tools • Understand the value of quality tools • Recognize through touch and sight the difference between dry wood and green wood 	<ul style="list-style-type: none"> • Observation of the use and handling of tools • Quiz on the cost and quality of tools • Demonstration and oral presentation. 	STE-4, 9/10,2.1 STE-4, 9/10, 1.2, 1.3, 1.4, 1.5
Design, planning and layout of projects	3 days	<ul style="list-style-type: none"> • The design evolution. • Drawing tools and sketching • Hard woods and soft woods 	Students will: <ul style="list-style-type: none"> • Draw a pattern for the production of the first project using simple drawing tools 	<ul style="list-style-type: none"> • Observation • Quiz 	STE-4, 9/10,7.4
Wood types and qualities	1 day				

			<ul style="list-style-type: none"> • identify woods used in the studio 		
Carving and finishing a Mancala Board	1 week	<ul style="list-style-type: none"> • Basic carving techniques • Proper tool selection Students will learn the tool shapes. • Tooling techniques • Finishing techniques for carvings, oil finish, wax, natural, burning 	<p>Students will:</p> <ul style="list-style-type: none"> • carve using safe handling of tools • Remove wood with sharp chisels in a safe manner • Apply finishes in a safe manner 	<ul style="list-style-type: none"> • Checks for quality and accuracy • Observation and critique of finishing process and end piece 	STE-4,6,8,2.1,2.2
Whittling, chip carving, relief carving, wildlife, lettering and architectural carving	Remainder of the term	<ul style="list-style-type: none"> • Introduction to different carving stiles and uses • Individual carving projects and ideas 	<p>Students will:</p> <ul style="list-style-type: none"> • Design and carve their final projects 	<ul style="list-style-type: none"> • Final project 	