

Intro. Woods

1 Course Introduction
Class Expectations
Class Procedures / Policy
Theft/Vandalism Policy
-Sign Sheet
Parent/Student Signature Sheet

2 **Finish:**
Class Expectations
Student Information
Class Procedures / Policy
Discuss Safety Glasses requirement

Hand out Textbooks
Assign: SKIM Unit 1 pp. 7-18
Handout Locks/Lockers if time permits

3 **Self-Assessment Quiz (due w/signatures)**
Content: Wood as a Material (Part I)
- Video clip ("Woods is Today")

Inform students of Quiz on lecture
at beg. period day 6

4 Content: Wood as a Material (Part II)
- Video clip on plywood & OSB

Quiz on Day 6

Content: Intro Wood Types
- characteristics (if time)
- if no time, fit it in a later date

5 Content: Project Design & Planning
-Bd ft / Sq ft / Ln ft.
- Technical Math
Lab: Time to examine samples
Review for mastery
Assign: Read Unit 4 pp. 38-43
?'s 1-15 due day 7
****Bring a Calculator the next few days****
UNIT 1 QUIZ DAY 6

Jan. 13

Jan. 14

Jan. 15

Jan. 16

Jan. 17

Jan. 20

6

Unit 1 Quiz on two part lecture
 Review Technical Math applications
 Assign: Bd.ft/sq.ft. Wksht (due day 7)
 Introduce SHAPE PROJECT

- Glue-up, measure, layout, & surface planing
- Machines for cutting, surface prep & Finish
- Possible Projects (Examples) (1/2" or 3/4")
- Demo setting up in PowerPoint (not Google)

Final Idea (with 8 1/2 x 11 template) due Day 10 (or assigned project)

Jan. 21

7

Collect Technical Math Worksheet

Ruler Reading Assessment
 (to determine who needs help)

Content: Layout, Selection, & Measure.

- Hand Tools Identification
- Tools Quiz Day 10

Jan. 22

8

Discuss Ruler Reading Assessment
 Return Technical Math Worksheet

- Discuss issues
- Introduce Practice Lab for Calculations
 sample wood pieces at tables

Lab: Math Practice (Calcs) with scrap lumber

Jan. 23

9

Tools I.D. Review -- Quiz Day 16
POP QUIZ (Formative Assessment)
 Content: General Safety

Assign: Take-home General Safety Test

- Due Day 11 to be kept on file

Lab: Work on General Safety Test

Jan. 24

10

Check off Shape Templates(1st Project)

- Hold up and check for completion (graded)

Content: Adhesives & Clamping (brief demo)

- Basic of Wood Glue
- Using Bar Clamps for edge or face gluing
- Glue-clean-up
- Alternating End Grain
- Appearance of Grain Pattern

Jan. 27

11

Content: Radial Arm / Miter Saws
Demo
Safety
- Explain Safety testing procedure

Jan. 28

12

Radial Arm Saw & Miter Saw Safety Test
Discuss shop procedures (i.e. clean-up)
Recording Lumber / no longer boards
Safety Stop Buttons / Cords & Air hoses
Demo: Beginning the SHAPE PROJECT
Wood Selection (edge or face orientation)
Minimum length of at least one piece (planer)
Grain Pattern / Appeal / Aesthetics
Measurement given to teacher for ripping
Lab: 1st Day of "Shape" Project work

Jan. 29

13

Lab: Shape Project

Jan. 30

14

Content: Planer / Jointer
- Show cutting & planing by hand (brief)
- Demo Planer
- Demo Jointer

Assign: Read pp. 52-56 (due day 17)
"Band & Scroll Saws"
Worksheet due Day 17

Jan. 31

15

Planer & Jointer Safety Test

Demo: Running the project thru the...
Planer & Jointer
Tracing the Template

Lab: Shape Project

Feb. 3

Hand Tools Identification Quiz

16 Lab: Shape Project

Feb. 4

Collect Band Saw Worksheet

Content: Band & Scroll Saws
Demo
Blades, Setting & Adjustments
Squaring a Board

17

Assign: Read pp. 137-142 "Sanding"
?s 1-15 due Day 19

Band Saw / Scroll Saw Safety Test

Lab: Review for Tools I.D. Quiz (Day 20)

Feb. 5

18 Lab: Shape Project

Feb. 6

Content: Sanding
Materials
Hand / Power
Safety
Demo
Hybrid Quiz / Safety Test Day (Day 21)

19

Feb. 7

Review Sanding Materials

20 Lab: Shape Project

Feb. 10

Sander Safety Test (Hybrid Quiz)

21 Lab: Shape Project

Feb. 11

Content: Woodworking Joints
Types & Techniques
Characteristics & Identification
Pocket hole, Doweling, Biscuits (later date)
Quiz Day 25
***Use CLC Template

Feb. 12

23 Lab: Shape Project

Shape Project (Finish Sanded)
Due Date Today

Feb. 13

24 Content: Finishing (brief)
Using the Finish Room
Tools & Techniques (rag vs. brush)
Any hardware?
Cutting Board as a tool vs. decoration?

Lab: Shape Project

Feb. 14

25 **Woodworking Joints Quiz (Identification)**
SLIDE SHOW
Content: Keepsake Box Project
Requirements / Handout sheet
Design Characteristics
Freedom / Creativity
Planning time on Next two days (in class)
Final Plans due BEG. of period Day 31
Lab: Finishing Shape Project

Feb. 17

26

Lab: Finishing Shape Project
Lab: Keepsake Box Project Planning
Project Ideas search (available resources)

Feb. 18

27

Shape Project Due Today (end of day)
Discuss: How to fill out a Plan Sheet (B.O.M.)
Discuss importance of detailed drawings
Cost estimating (review Bd. Ft / Sq. Ft.)
Waste factor when estimating (30% waste)
Hardware
Final Plans due BEG. of period Day 31

Lab: Finishing Shape Project

Feb. 19

28

**Video Clips: Sawstop Hot Dog
& Time Warp**
****In preparation for demo tomorrow**

Lab: Project Critiques

Feb. 20

29

Content: Table Saw
Steps in Squaring a Board
1. Plane 2. Joint 3. Rip 4. Crosscut 5. Crosscut
Importance of Safety
Set-up and Use
Saw Stop in our shop

Feb. 24

30

Table saw Safety Test
Project Costs
Project Grades/ Pictures / General Comments
Discuss: Beginning a Project
Start with the Shell
Break up the monotony of sanding

Lab: Period for Project Planning
(Keepsake Box Plan due Day 31)

Feb. 25

31

Keepsake Box Plans due TODAY
grade initially / assign required project (INC)

Review: Beginning a Project
Start with the Shell
Break up the monotony of sanding
Recording Lumber usage

Lab: Start Keepsake Box Project (26 day proj)
due Day 55

Feb. 26

32

Lab: Keepsake Box Project Work

Feb. 27

33

Demo: Cutting Miter for box on the Miter Saw

Lab: Keepsake Box Project Work

Mar. 2

34 Demo: Cutting Dados & Rabbets (Tablesaw)
- Multi-pass method
- 2 pass method
Lab: Keepsake Box Project Work

Assign Clamping Worksheet as a review tool

Mar. 3

35 ACT Testing date
No School for Grades 9, 10, 12

Mar. 4

36 Content: Adhesives & Clamping
Identification of clamp types
Types of Adhesives & terminology
Techniques
Quiz Day 38

Mar. 5

37 **Review Adhesives & Clamping**
Collect Worksheet

Lab: Keepsake Box Project Work

Assign: B.P. Read "Cabinet"
Due Day 39

Mar. 6

38 **Gluing & Clamping Quiz**

Lab: Keepsake Box Project Work

Mar. 9

Collect Worksheet
 Content: Demo Router
 Bit Types
 Adjustments
 Portable vs Table
 Techniques / Safety

Lab: Keepsake Box Project Work

Mar. 10

Router Safety Test

Lab: Keepsake Box Project Work

Mar. 11

Lab: Keepsake Box Project Work

Assign: B.P. Reading Assign.
"Deacon's Shelf" Due Day 42

GRADE NOTEBOOKS

Mar. 12

Collect B.P. Reading Wksht

Lab: Keepsake Box Project Work

Assign: Read Unit 16 "Finishing"
 Q's 1-18 (Due day 44)

Mar. 13

Half-way Point on Keepsake Box Project
 (Day 13 of 26)

Time for Self-Evaluation to be completed
 Input (Project Check Grade)
 ** Possible form to fill out

Lab: Keepsake Box Project Work

Mar. 16

Content: Wood Finishing (detailed)
- Finishing types & options
- Review from past experiences
- Putty applications

Lab: Keepsake Box Project Work

Mar. 17

44

Review for Finishing Quiz (Day 46)

Lab: Keepsake Box Project Work

Assign: Read Unit 7 pp. 66-73
?'s 1-24 due Day 47

Finishing Quiz

Mar. 18

45

Lab: Keepsake Box Project Work

Mar. 19

46

Content: Drilling & Boring
Drill bits
Drill Press
Specialty Machines
Drills Quiz Day 49

Assign: Graphic Drills handout (pics of types)
due Day 49 (prior to quiz)

Lab: Keepsake Box Project Work

Mar. 20

47

Safety Test (Drill Press)
Review for Drills & Drilling Quiz
Collect Assignment

Lab: Keepsake Box Project Work

Mar. 30

Collect Assignment (drills handout)
Unit 7 Quiz "Drills & Drilling"

48 Lab: Keepsake Box Project Work

Mar. 31

49 Lab: Keepsake Box Project Work

Apr. 1

Introduce Final Project Requirements
sm clock, med clock, display shelf
- final BOM & Costs due Day 59
- work on during finishing / or as homework
as project due date approaches
Lab: Keepsake Box Project Work

Assign: SKIM Unit 17 "Hardware"

Apr. 2

51 Lab: Project Work

Apr. 3

Demo: Hardware Tips & Techniques

52 Lab: Keepsake Boxes

Plans due Day 57 (approved) if otherwise

Apr. 6

53

Pop Quiz == Squaring a Board
" 5 Steps "

Demo: Flocking Process

Lab: Keepsake Box Project Work
Lab: Final Project BOM and cost estimate

Apr. 7

54

Lab: Keepsake Box Project Work
Lab: Final Project BOM and cost estimate

Apr. 8

55

Lab: Keepsake Box Project Work
Lab: Work on B.O.M. & Cost Estimate
* Be sure to include hardware & specials*

Keepsake Boxes due @ 3:00

Apr. 9

56

Peer Review of Keepsake Box Project
1st Self Evaluation of Project (rubric)
2nd Peer Evaluation of Project (rubric)

General Comments from Instructor
How can we improve
Areas of major concern
Pictures of projects for future slideshow

Apr. 13

57

Content: CNC Router Introduction

Show the router itself via pictures
Introduce the software / project applic.

Class: Small amount of lab time
Be sure that all can log in / get in software

Apr. 14

58

Demo: Aspire software

Lab: Practice / Explore CNC Programming

Apr. 15

59

Final BOM & Costs due today

-Grade final plans for completion / accuracy
- Hand back the next day

Demo: Aspire software

Lab: Practice / Explore CNC Programming

Apr. 16

60

TESTING DAYS - LATE START SCHOOL DAY

Demo: Aspire software

Lab: Practice / Explore CNC Programming

Apr. 17

61

Demo: Aspire software

Lab: Practice / Explore CNC Programming

Assign: CNC Router task
- due in about 3 or 4 weeks (common drive)

Apr. 20

62

In Class: Introduce Final Project (Mantel Clock)
Read through the plan
Discuss joinery techniques and changes
Project to be made to specifications
Clock & Glass not a requirement
Hardware is a requirement
Accuracy with multiple parts
Lab: Project Work (Final Project)
26 day project

Apr. 21

63

Lab: Project Work

Apr. 22

64

Lab: Project Work

Apr. 23

65

Lab: Project Work

Apr. 24

66

Lab: Project Work

Apr. 27

67

Assign: In Class Read pp. 125-130
Content: Fasteners (PPT & Examples)
Quiz Day 67
Lab: Project Work
Assign: B.P. Reading Wksht.
"Clock" Due Day 68

Apr. 28

68

Lab: Project Work

Apr. 29

69

Quiz on Fasteners
Lab: Project Work

Apr. 30

70

Collect B.P. Reading Wksht
Lab: Project Work

May 1

71

Lab: Project Work

May 4

72 Lab: Project Work

May 5

73 Lab: Project Work

May 6

74 Lab: Project Work

May 7

75 Lab: Project Work

Assign: B.P. Reading Assignment
" ?? ?
Due Day 77

May 8

76 Lab: Project Work

May 11

77

Lab: Project Work

May 12

78

Lab: Project Work

May 13

79

Lab: Project Work

May 14

80

Lab: Project Work

May 15

81

Lab: Project Work

May 18

82 Lab: Project Work

May 19

83 Lab: Project Work

May 20

84 Lab: Project Work

Project Pictures

Final Projects due @ 3:00

Final Project Grades & Comments

Calculate Fees

May 21

85 Shop Clean-up

Locker Clean-out

Grading

Review for Final Exam

May 22

86 Collect Fees

Shop Clean-up

Be Sure to Promote ALL Dept. Classes

*** Use Handout****

May 26

87

EXAMS

May 27

88

EXAMS

May 28

89

EXAMS

May 29

Inservice Day
No School