



Introduction to Woodturning

One Day Face Plate Turning Course

Instructors Lesson Plan

Introduction

This course is intended to provide an introduction to woodturning for new turners or those with limited experience and focuses on face plate turning.

During the course they will learn about the Health and Safety aspects of woodturning to help ensure that they can turn safely by themselves. They will learn about the lathe, the tools usually included in a basic starter set of six tools, how to sharpen them and how to use them correctly and safely.

During the course they will produce a small bowl, a platter and a tealight holder. These items have been chosen to enable them to learn a range of techniques. A list of suggested additional pieces is included so that if time allows they may be able to make one or more of these additional pieces during the course or complete them at a later date.

The course is split into modules to help provide structure to the day (the module numbers follow on from the spindle turning course).

- Module 6: Turn and Finish a simple Small Bowl: An introduction to mounting a bowl blank and turning a small bowl
- Module 7: Turn and Finish a simple Platter: An introduction to mounting a thin bowl blank and turning a small platter
- Module 8: Turn and Finish a Tealight Holder: An introduction to drilling with a Forstner bit and the use of a jam chuck

The lesson plans use the AWGB format and have been produced as reference material for instructors to ensure that we have a consistent approach and content to the course. The timings for each step are indicative and tuition should progress at the pace of the student.

Equipment and Material Requirements

The following equipment and materials are required for each attendee at the course

Equipment

- A “Beginners Tool Set” comprising of
 - Spindle Roughing Gouge
 - Parting Tool
 - Round Nosed Scraper
 - Bowl Gouge
 - Spindle Gouge
 - Skew Chisel
- Screw Chuck
- Live Centre
- Chuck with a set of 50mm / 2” jaws
- Jacobs Chuck
- Forstner Bits - 42mm approx. and 50mm
- Tealight holder insert
- CA Glue - Medium
- Abrasives – 120 grit through to 400 grit
- Battery Powered Drill and Sanding Arbor
- Rotary Sander
- Abrasives Discs for Sanding Arbor - 120 grit through to 400 grit
- Sanding Sealer
- Wax

Wood

- Approx. 6” x 3” bowl blank (Bowl)
- Approx. 6” x 2” bowl blank (Platter)
- Approx. 4” x 2” bowl blank (Tealight Holder)
- Scrap of wood suitable to make a jam chuck to fit into a 42mm hole

Course Title: Introduction To Woodturning	Module Number: 6	Lesson Topic: Face Plate Turning – Turn a Bowl
Lesson Duration: 2 Hours	Lesson Outcomes: 1. Identify and Describe the Bowl Gouge and Round Nosed Scraper 2. Mount a bowl blank on the lathe, Turn the blank round and true up the face 3. Turn and finish a bowl	
Aims: • Mount a bowl blank on the lathe • Turn a bowl		

Equipment and Material Requirements	Equipment	Materials
	Bowl Gouge, Spindle Gouge, Parting Tool and Round Nosed Scraper Chuck and jaws	Approx. 6" x 3" bowl blank Abrasives, Sanding Sealer and Wax

Duration (Mins)	Content	Method (Tutor)	Method (Student)	Resources	Assessment
5	Introduction: Aim Lesson Outcomes Establish Student Entry Level H&S and Lathe recap	Explaining Discussion	Listening Discussion	Samples Handout	Q&A
5	Outcome 1: Identify and Describe the Bowl Gouge and Round Nosed Scraper	Explaining Discussion	Listening Discussion	Bowl Gouge and Round Nosed Scraper	Observation
10	Outcome 2a: Introduce faceplate turning and the differences to spindle turning. Introduce the various ways to mount a bowl blank. Discuss the various shapes for bowls and choose one to make.	Demonstrating Supporting	Observing Practising	Ref Samples Handout	Observation

Time (Mins)	Content	Method (Tutor)	Method (Student)	Resources	Assessment
5	Outcome 2b: Mount a bowl blank on a chuck using a suitable method	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
10	Outcome 2c: Turn the blank round and true up the face	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
30	Outcome 3a: Make a recessed chucking point in the face of the blank. Turn the outside of the bowl using the Bowl Gouge.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
10	Outcome 3b: Sand and finish the outside of the bowl.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
30	Outcome 3c: Remount the bowl using the chucking point. Turn the inside of the bowl using the Bowl Gouge and Round Nosed Scraper.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
10	Outcome 3d: Sand and finish the inside of the bowl.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
5	Conclusion/Reflection Next Session	Explaining	Listening		Q&A

Course Title: Introduction To Woodturning	Module Number: 7	Lesson Topic: Faceplate Turning - Turn a Platter
Lesson Duration: 2 Hours	Lesson Outcomes: 1. Mount a bowl blank on the lathe, turn the blank round and true up the face 2. Turn and finish a platter	
Aims: • Mount a bowl blank on the lathe • Turn a platter		
Equipment and Material Requirements	Equipment	Materials
	Bowl Gouge, Spindle Gouge, Parting Tool and Round Nosed Scraper Chuck and jaws	Approx. 6" x 2" bowl blank Abrasives, Sanding Sealer and Wax

Duration (Mins)	Content	Method (Tutor)	Method (Student)	Resources	Assessment
5	Introduction: Aim Lesson Outcomes	Explaining Discussion	Listening Discussion	Samples Handout	Q&A
10	Outcome 1a: Introduce the various ways to mount a thin bowl blank. Discuss the various shapes for platters and choose one to make.	Demonstrating Supporting	Observing Practising	Ref Samples Handout	Observation
5	Outcome 1b: Mount a bowl blank on a chuck using a suitable method	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
10	Outcome 1c: Turn the blank round and true up the face.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation

Time (Mins)	Content	Method (Tutor)	Method (Student)	Resources	Assessment
30	Outcome 2a: Make a recessed chucking point in the face of the blank. Turn the outside of the platter using the Bowl Gouge.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
10	Outcome 2b: Sand and finish the outside of the platter.	Demonstrating Supporting	Observing Practising	Tools and Material Handout	Observation
35	Outcome 2c: Remount the platter using the chucking point. Turn the inside of the platter using the Bowl Gouge and Round Nosed Scraper.	Demonstrating Supporting	Observing Practising	Tools and Material	Observation
10	Outcome 2d: Sand and finish the inside of the platter.	Demonstrating Supporting	Observing Practising	Tools and Material	Observation
5	Conclusion/Reflection Next lesson	Explaining	Listening		Q&A

Course Title: Introduction To Woodturning	Module Number: 8	Lesson Topic: Faceplate Turning - Turn a Tealight Holder
Lesson Duration: 1 Hour 45 Minutes	Lesson Outcomes:	
Aims: - Mount a bowl blank on the lathe - Turn a Tealight Holder	- Mount a bowl blank on the lathe, turn the blank round and true up the face - Drill a hole for the brass cup using a Jacobs chuck and Forstner bit - Turn and finish a Tealight Holder	

Equipment and Material Requirements	Equipment	Materials
	Bowl Gouge and Parting Tool Jacobs Chuck and Forstner Bit (42mm approx.) Chuck and jaws (50mm internal)	Approx. 4" x 2" bowl blank Abrasives, Sanding Sealer and Wax Tealight holder insert

Duration (Mins)	Content	Method (Tutor)	Method (Student)	Resources	Assessment
5	Introduction: Aim Lesson Outcomes	Explaining Discussion	Listening Discussion	Samples Handout	Q&A
5	Outcome 1a: Discuss the steps required to make the tealight holder.	Explaining Discussion	Listening Discussion	Ref Samples Handout	Observation
5	Outcome 1b: Mount a blank on a chuck using drilled recess chucking point.	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation

Time (Mins)	Content	Method (Tutor)	Method (Student)	Resources	Assessment
5	Outcome 1c: Turn the blank round and true up the face.	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation
10	Outcome 2: Using a Jacobs Chuck in the Tailstock and a suitable sized Forstner drill bit drill the hole for the brass cup.	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation
20	Outcome 3a: Turn the top of the tealight holder. Sand and finish the top of the tealight holder.	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation
20	Outcome 3b: Using a scrap piece of wood make a jam chuck to fit the hole in the top of the tealight holder. Mount the tealight holder using the jam chuck with support from the tailstock.	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation
15	Outcome 3c: Turn the bottom of the tealight holder leaving the nub being used for the tailstock support. Cut off the nub close to the base with a small saw.	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation
15	Outcome 3d: Sand the remains of the nub off (power sand with a hand drill if available) or remove with a chisel. Sand and finish the bottom of the tealight holder. Superglue the brass cup into the tealight holder	Demonstrating Supporting	Observing Practising	Tools and Material Ref Samples Handout	Observation
5	Conclusion/Reflection Next lesson	Explaining	Listening		Q&A