

Turning Small Decorative Boxes with Threaded Lids With Bill Clark April 29-May 3, 2019

Class Outline

Day 1 Lecture

Class Introduction and my wood turning journey.

Discussion of wood threading and designing a box to incorporate a threaded lid and decorative details, including different species of wood for color contrast.

My chucking techniques and use of Scotch 15 lb. outdoor double stick mounting tape when a chuck cannot be used.

Step by step box examples of the process will be available as a visual aid.

Day 1 Activity

Students using these discussed elements will design their first box.

Box blank preparation and glue up.

Demo and student practice end grain turning with Hunter carbide tools or tool substitutions on scrap wood.

Day 2 Lecture

Introduction to Baxter Thread Master threading jig and threading process.

Discussion on how to measure the box base and lid opening for correct thread clearance. Demo of the threading process.

Box lid inserts — mounting, turning and decoration, including etching and texturing will be covered.

Day 2 Activity

Students will turn and thread first box. Bill will work with students one on one to assist through each step.

Students will start their choice of surface enhancement on box and lid.

Students will design 3 different detailed styles of boxes with lid inserts using contrasting colors. Students will cut wood and glue up box blanks for subsequent days turning, threading and decoration.

Day 3 Lecture

Each student will comment on their first box and discuss problems and successes they encountered. Turning, threading and decoration tips will be covered in an open class discussion.

A simple finish will be described.

Day 3 Activity

Students will turn and thread second box using previously taught chucking techniques. More detailed decoration on the box and lid inserts will be explored and encouraged.

Day 4 Activity

Students will continue to turn different styles of threaded boxes and try different decoration techniques.

Day 5 Activity

Students will continue to turn threaded boxes and complete boxes in progress.

Tool List

3/8" bowl gouge

1/16" Thin Parting Tool (1/8" carbide parting tool optional)

1/2" Skew Chisel and diamond hone

Point Tool (any tool that will make a thin groove)

1/4" or 3/8" radius scraper

Roll of plumbers white teflon tape.

Hunter #5 (preferred) straight shank or Hunter #3 straight shank (also good but has shorter shank) carbide cup tools or a One Way Termite tool with sharpening set. Any of these three can be used for end grain hollowing and cleaning up the inside bottom of your boxes. Students will learn to use this tool in class. If you wish to be conservative with your tool purchases, a 1/4" or 3/8" scraper will give an acceptable finish.

Square carbide tipped tool for cutting straight inside walls. The tip must be square not radius sided. Examples: The Easy Start™ Rougher or The Mid-Size Easy Rougher™ both with Ci2 square carbide cutter. This type of tool is also made by Sorby, Carter and others. If you wish to be conservative with your tool purchases a Bedan tool will work.

Small outside caliper to measure outside box diameter. (If you have it, a digital vernier gauge that will measure 1000th of an inch. Metric will also work. Inexpensive imports will work fine.)

Scotch Outdoor Mounting Tape, 1-inch x 60-inches, red colored cover strip with grey interior. Double sided adhesive labeled as 15 lb. strength. Be sure to get this one as there are similar looking tapes. Do not buy the Scotch blue 30 lb. tape as it is too strong. This tape is used for mounting small parts and boxes that cannot be chucked. We will be doing one box in class using this tape plus lid inserts. If you cannot find this tape, I will have a small supply available.

Face Shield with a Z87+ rating and wrap around safety glasses.

Optional Tools: (Bring if you have them or wish to purchase a few extra options to use on your boxes)

Mirka Abranet Sanding Sheets 2-3/4" X 8" 30 Pack Assortment available from Woodcraft online (Abranet 9A-150-AP - Item 849873). This is a variety pack with a supply of grits from 80 to 400. Other Abranet sheet sizes and grits are available. The grits from 120 to 400 are useful for finishing inside small boxes because they are flexible. These sanding sheets can be cleaned and used over and over. Standard sandpaper is OK, but it is just a little more difficult to work with.

Any surface enhancement tools you like to use such as: Wagner, Sorby, Taylor and other texturing tools. These can be fun and easy to apply different decorative patterns.

Rotary tools with very small burs (I use a MASTERCARVER® MICRO-PRO with a 1mm round carbide bur). Used for etching patterns. I will demonstrate in class.

Tight grained or figured hardwood make nice boxes. If you have small blocks of wood 3" to 4" square that you would like to use in class you may bring them. These are also good for practice cuts. It must be domestic hardwood, dry, no cracks or splits. Imported or exotic woods are not allowed in the shop due to potential allergic reactions. Soft wood does not thread well and should be avoided.

Contact Information

I encourage you to contact me if you have any questions regarding the class or the tool list. I will be happy to assist you. The Marc Adams School and I want your workshop to be a fun, educational and successful experience.

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