

LEARNING TRADE SECRETS WORKSHOPS

Neck Graft

Sunday, March 24 - Friday, March 29, 2019

Suggested Enrollment Cap: 10-15

Course Information

Course Description: Students are guided through the entire process of grafting and setting a neck of a violin or viola (no cellos please). After getting settled in on Sunday, the class will meet as a group to talk shop and get to know each other. Shared group discussions and presentations will be encouraged for all to participate in throughout the week.

Course Objective: By the end of the week workshop participants will be taught a safe and efficient method for determining why a neck might qualify to be grafted; laying out a stable graft design; cutting the graft; fitting the new neck and shaping. The class also involves a safe approach to removing a neck, and fitting and setting a neck for a balanced and stable outcome. Time will also be devoted to the proper use of tools and creating and using perishable fixtures. Students will have developed the confidence to execute the process of grafting a neck for the needs of any violin.

Prerequisite: This workshop is for advanced participants who have been repairing instruments for a minimum of 3 years and are working professionally as a repairman.

Resource and Supplementary Materials

Materials: Students who are intending to complete a graft should bring their own maple neck graft material and fingerboard blank (consider prepping before the course). Donor necks and faux graft materials can be provided upon advance notice (by 03/01/19).

Tools: Block plane, Common violin maker's knives, chisels: 6mm, 12mm, 16mm, and 24mm, Scroll gouges: 5 sweep @6mm, 8mm, 12mm, and 16mm, Files: 1st cut, 2nd cut, and fine cut (3/4"W x 6"L).

Course Topics

- Tools for the job
- Prepping neck and pegbox for graft
- Creating perishable fixtures
- Overview of neck graft geometry and laying out graft parameters
- Six primary cuts

Course Topics Continued

- Refining the graft socket
- Transferring graft geometry to neck blank
- Cutting neck blank and final fitting of graft
- Gluing and Shaping new neck and pegbox

Instructor Information

Instructor Greg Sapp is happy to answer any questions after the workshop. Please contact Greg at info@sappviolins.com or by phone at (630) 906-0244. If you are in the area you can visit Greg at 1880 E. Fabyan Parkway, Batavia, IL 60510

Class Participation: Shared group discussions and presentations will be encouraged for all to participate in throughout the week. Taking photos or videos during class presentations will be allowed, but are not for social media purposes without permission. Photos or videos of alternative techniques are welcome for discussion. Students can expect to observe bonus info during times while waiting for glue to set.

Participation and Instructions

Syllabus Change:

While every attempt has been made to prepare this syllabus and class schedule in final form it will be at the instructor's discretion to make any changes as he/she may deem necessary in order to meet the learning outcomes of the course.

Course Ground Rules

General Policies: The instructor expects attention to detail and meeting course expectations, including participation in discussions and addressing technical problems immediately.

Phones: Please be courteous to your bench partners by silencing your cell phone during work hours and taking calls outside the workshop.

Tools: Do not borrow tools without permission.

Safety Concerns: A First Aid and Eye Wash Station are available should injury occur. Should an injury occur, please see your instructor immediately and then dial 9-1-1. Any injury requires a completed Injury Form located on the clip board next to the eye wash station. Your safety and well-being are our number one priority.

COURSE CALENDAR

These topics and milestones are subject to change at the discretion of the instructor.

DAY	DATE	AGENDA/TOPIC	MILESTONES
SUNDAY	03/24/19	Dinner, group meeting and shop talk Sharpen tools and prepare for work week	All tools are sharp and ready to go
MONDAY	03/25/19	Introduction and overview Review tools Discuss neck graft geometry Prep neck and pegbox and create perishable fixtures Make six crucial graft cuts	Have a graft cut in the rough
TUESDAY	03/26/19	Refine the walls of the graft socket	Have a well-executed graft socket finished
WEDNESDAY	03/27/19	Transfer graft geometry to neck blank Cut, fit and glue graft and new neck Prep fingerboard and upper block while glue sets Shape pegbox	Have graft glued New fingerboard ready Pegbox shaped
THURSDAY	03/28/19	Layout neck parameters and cut to spec Glue fingerboard to neck Begin setting neck Related repair presentations when time permits	Board on Neck set but not glued
FRIDAY	03/29/19	Neck fit and shaped Glue neck Review and Questions Pack personal belongings and clean workshop Finish by 6:00pm for dinner out	Neck shaped and glued
Saturday	03/30/19	Workshop not open for work or packing	