



Summer 2014 Institute schedule

Required Pre-attendance Webinar / video for participants include a guitar terminology primer and worksheet / short cycle assessment.

Sample 5 day Institute schedule

Sunday

12pm – 4:00pm

Room setup Training team only

- Equipment and tool inventory
- Table layout
- Dust collection – floor covering
- Materials sorted
- Kits assembly
- Purchase list of items
- Prepare finish area



Stebbins HS in Dayton, OH class guitars

Monday

AM SESSION

Arrival at event 8:15 am

8:15 – 9:15

Welcome

- Introductions and Workshop Overview
- Administrative Paperwork
- Attendance Form, Photo Release Form, etc.

Expectations / goals for the week & year, review of Cost Analysis of Guitar Homework and short cycle assessments, Mapping national or state standards to curriculum, Outline of curriculum development project for the week (Thursday faculty discussion)

Project Staff support - Who, What, Where

9:15 -10:15

Selection of Bodies and necks

10:15-10:30

Break



Summer 2014 Institute schedule

- 10:30 – 11:30 Guitar Headstock Design –sketching. *Additional activity development ideas: surface area, geometry of design, angles & trigonometry, measurement* Lab time for Headstock Design.
- 11:30 – 12:00 Short Cycle assessment on Cost Analysis of Guitar activates using quia
- 12:00 – 1:00 Lunch

PM SESSION

Goal: Body sculpted, neck and fretboard Glued (back of neck scraped)

- 1:00 – 1:30 Shop Orientation, Safety and Component Selection
- 1:30 – 4:30 Task 1 – Body Sculpting (optional) – Power planer, rasps & bladder sander

NO FLY ZONE ALERT

Task 2 – Neck - separate from blank, file/sand neck & headstock

NO FLY ZONE ALERT

- Task 3 – Drill pickup access hole and Jack hole
- Task 4 - Glue fret board onto neck
- 4:30- 5:00 Seal body with Bona Seal
- 5:00 – 5:30 First application of clear Bona Mega water based polyurethane

HOMEWORK: Review Videos on Neck finishing and fretting + initial thinking on learning activity



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Tuesday

AM SESSION

- 7:45 - 8:15 Light sand + coat of finish on body - Prior to class
- 8:15 - 9:15 Technology & Math activities – hands on activities for classroom, adaptive for many levels of instruction – fretboard activity short cycle assessment
- 9:15 – 10:15 How we have implemented; plus how others have implemented – Class Roadmap - 16 weeks;
Evaluation Roadmap, Next Gen standards and Common core standards
- 10:15- 10:30 Break
- 10:30 – 12:00 Lab for STEM Activities - Swirl Dipping mini guitars
- 12:00 – 1:00 Lunch

PM SESSION

Goal: Fret Board Radiused and finish coats (multiple on Body / Neck)

- 1:00-1:15 Coat of finish on guitar bodies
- 1:15-2:30p Team 1: Drill and install fret dots. (wood available)
- 1:15-2:30p Team 2: Sand 12" radius on fret board, shape/sand neck and headstock.
Apply sealer to fretboard
- 2:30-2:45 Break
- 2:45 -3:30 Teams 1 and 2 Switch activities
- 3:30 Fretting demonstration - Swirl Paint Demonstration
- 4:00 – 5:15 Fretting (seal fret board and neck before fretting) & swirl paint bodies
- 5:15- 5:30 Apply third coat of finish on body and first coat on neck

HOMEWORK: Review the Soldering video + learning activity development / planning



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Wednesday

AM SESSION

- 8:00-8:30 Apply last coat of finish to body and neck (optional)
- 8:30-10:00 Technology activity - truss rods as beams and / or wood materials activities - hands on activities for classroom with short cycle assessment
- 10:00-10:15 Break
- 10:15 – 12:00 Evaluation: Quia How to use in your classroom: Logins with Faculty ID's, student Id's, General time line of evaluations (evaluation timeline), Becoming a case study classroom (Sinclair only)
- 12:00 – 1:00 Lunch-- soldering Video
Introduction to soldering and electronics wiring harness

PM SESSION

Goal : Fretting and wiring harness – Maybe a sound check?

- 1:00 Soldering Demonstration
- 1:30 – 2:00 Complete Fretting and Install side markers
- 3:30 Fret Leveling demonstration
- 4:00- 5:30 Fret Leveling and Install Hardware on body

HOMEWORK : Review Video on Hardware installation + Finalize learning activity outline and details for Thursday sharing session



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Thursday

AM SESSION

8:00 – 9:30	Fasteners Activity & Short Cycle Assessment - Lab for STEM Activities
9:30 – 10:00	On-line resources available for your classroom
10:00-10:15	Break
10:15 – 11:30	Participant-centered discussion of newly developed learning activities
11:30 – 12:00	Manufacturing skills gaps (SME, Boeing)
12:00 -1:00	Lunch

HOMEWORK : Check out how it's made, made in America and Fender, PRS, Taylor , Ibanez Websites for factory tour videos.

PM SESSION

Goal – Guitar Shaped objects! No one leaves until necks are attached on ALL guitars – We work as a team!

1:00-1:30	Hardware installation demonstration
1:30 – 3:00	Solder wiring harness and install electronics
3:00 – 4:00	Neck and string installation demonstration
4:00 – 5:30	Attach Neck and string guitar – GSO

Friday- - ROCK STAR FRIDAY

AM SESSION

8:00 – 9:30	Intonation and tuning presentation with short cycle assessment
9:30 – 10:45	Set-up, intonation and tuning Lab time
10:45 – 11:30	Reflective Evaluation, remaining short cycle assessments, paperwork
11:30 – 12:30	Lunch

PM SESSION

1:00 – 4:00	Intonation of guitars continued
1:30 - 2:00	Group Picture - Jam
4pm – 5pm	Tool re-pack and cleanup

