

ELECTRIC VIOLIN LABS

# Sound Labs

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Music Workshop & Assembly Programs

STEM-Integrated | Standards-Aligned | Structured Curriculum

Implementation Settings:

K-12 Music & STEM/STEAM Programs

Colleges & Universities

Community Arts Organizations

Retail Music Stores

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**Dr. Jess Ingrassellino**

Program Director & Instructor

EdD, Teachers College, Columbia University



# About Electric Violin Labs

Electric Violin Labs was founded by Jess Ingrassellino, to bridge classical training, modern sound design, and an accessible approach to music technology.

We believe every musician can create their signature sound. Whether you're teaching an ensemble, recording at home, or performing on stage or streaming, understanding your instrument, your technique, and your gear unlocks creative freedom, saving you time and money, and giving you control of your artistry.

## Dr. Jess Ingrassellino



Dr. Jess Ingrassellino is a violinist, educator, and technology leader whose mission is to bridge art, science, and innovation. With decades of experience performing, composing, and teaching, Jess makes complex topics, like signal chains, impedance, and live sound, intuitive and approachable for students and teachers alike.

# Available Formats

From large-group assemblies to intensive lab experiences, Electric Violin Labs provides scalable programming that integrates music, technology, and STEM learning. Every format is interactive, standards-aligned, and adaptable to your community.

## Workshop

A hands-on, guided experience ranging from 90 minutes to 6 hours.

Participants work through structured activities in small groups, exploring electric strings, effects, and sound concepts in depth. Suitable for learners with interest and/or prior experience.

## Lab

A highly interactive, exploratory format (90 minutes – 3 hours) designed for deep technical engagement.

Participants work individually or in pairs through customized stations aligned to your program goals.

## Assembly

An interactive introductory presentation designed for large audiences.

Ideal for schools and community programs seeking an engaging overview of electric bowed-string instruments and modern sound design. No prior experience required.

## Professional Development

An immersive learning experience for arts educators and STEM/STEAM faculty.

Sessions range from 90 minutes to 6 hours and focus on instructional strategies, technology integration, and implementation planning.

# for everyone

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# Electric Strings Sound Lab

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Experience the science and creativity of electric strings.

Learn the science of sound through hands-on electric string exploration with electric violins, violas, and cello. Guided rotation stations introduce signal flow, basic effects, and sound design in an accessible, structured format. Participants try electric instruments and have the opportunity to experiment with effects pedals and their impact on sound.

## Program Highlights

-  Zero electric instrument experience required
-  Up to 4 hands-on rotation stations
-  Genre showcase: classical, pop, rock (you can submit requests)
-  Electric string instruments, effects, amps, and cabling provided

## Available Formats

Format	Time	Base Price
Assembly	60 minutes	250 USD
Workshop	90 minutes	400 USD
Lab	Half Day	750 USD

# Own Your Tone: Intro Gear Lab

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Take control of your gear to build your unique tone.

This interactive workshop helps musicians demystify their electric setup and build a clear, powerful tone from the ground up. Participants learn how pickups, impedance, preamps, EQ, pedals, and amplification interact, and how small adjustments can dramatically improve clarity, control, and confidence.

## Program Highlights

- Signal chain fundamentals (what goes where — and why)
- Impedance & gain staging explained simply
- Building a clean tone foundation
- EQ shaping for bowed strings
- Pedal order logic & effect interaction
- Troubleshooting common tone problems

## Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Assembly	60 minutes	250 USD
Workshop	90 minutes	400 USD

# for the classroom

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# Freedom In Sound: Improv Zone

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**Build creative confidence through structured exploration**

An interactive, beginner-friendly workshop designed to help musicians break through improvisation fear using guided frameworks, creative and technical constraints, and collaborative musical dialogue. Great for mixed-ability groups.

## Program Highlights

- Beginner-friendly improvisation and sound-design entry points (no prior experience required)
- Call-and-response frameworks for ensemble communication
- Improvising within creative constraints (limited notes, rhythms, textures, loops, pedals)
- Listening and reacting in real time
- Developing musical risk-taking in a supportive environment

# Freedom In Sound: Improv Zone

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## Full-Day Improvisation Intensive (Optional Extension)

In extended formats, participants deepen their improvisational vocabulary and develop structured improvisation studies.

Advanced Exploration Includes:

- Modal and tonal improvisation frameworks
- Groove-based and texture-based improvisation
- Improvisation as composition-in-real-time
- Solo and small-group performance labs
- Reflection and feedback cycles

Participants leave with:

- A repeatable improvisation framework
- Confidence entering unscripted musical moments
- Practical exercises to implement in rehearsals or classrooms

## Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Workshop	90 minutes	400 USD
Lab	Half Day	750 USD
Lab	Full Day	1400 USD

# Loop and Layer Jam

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## Create, loop, layer, improvise, and compose

An interactive workshop introducing the fundamentals of live looping and layered performance. Participants learn how to use loop pedals to construct full arrangements — from rhythmic foundations to melodic lines — and perform confidently as solo artists or ensemble members.

For extended sessions, the workshop expands into guided composition and arranging, allowing participants to develop original works using looping as a compositional tool.

## Program Highlights

- Electric instruments, loop pedals, and amps provided
- Loop pedal signal flow and timing fundamentals
- Constructing layered arrangements (rhythm → harmony → melody)
- Building bass lines and supporting textures
- Smooth transitions between sections
- Creative looping techniques (reverse, half-speed, overdub control)

# Loop and Layer Jam

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## Full-Day Composition & Arranging Intensive (Optional Extension)

In the full-day format, participants move into structured improvising, composition, and arranging.

### Composition Focus

- Developing musical motifs and themes
- Arranging for layered solo performance
- Texture building and dynamic shaping
- Form design (ABA, through-composed, groove-based forms)
- Rehearsal strategies for polished performance

Participants leave with:

- An original layered composition or structured arrangement
- A performance-ready looping plan
- A repeatable framework for independent creative work

### Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Workshop	90 minutes	500 USD
Lab	Half Day	900 USD
Lab	Full Day	1600 USD

# Sound Design for Electric Strings

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## Tone sculpting, signal flow, and genre-based sound development

An interactive workshop exploring the foundations of electric string tone design. Participants learn how signal flow, gain structure, EQ, and effects processing shape amplified sound, and how to intentionally craft tones for a variety of contemporary performance contexts.

Designed specifically for bowed-string instruments, this workshop bridges traditional technique with modern sound engineering principles. Students move from clean tone foundations to dynamic, genre-informed sound creation with clarity, control, and musical intention.

## Program Highlights

- Understanding signal chain order and signal flow
- Gain staging and tone sculpting fundamentals
- Overdrive vs. distortion: sound, feel, and musical application
- EQ strategies specific to electric bowed strings
- Managing dynamics and articulation in amplified settings
- Performing with backing tracks and live amplification

# Sound Design for Electric Strings

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## Full-Day Sound Design (optional extension)

In extended formats, participants engage in hands-on tone development and structured performance labs.

Advanced Sessions Include:

- Multi-effects vs. individual pedal comparison
- Building and saving tone presets
- Genre-specific tone construction
- Live mix awareness for electric strings
- Small-group performance with structured feedback

Participants leave with:

- A repeatable tone-building framework
- A personalized sound profile
- Greater confidence performing amplified

## Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Workshop	90 minutes	500 USD
Lab	Half Day	900 USD
Lab	Full Day	1600 USD

# Music Production and Recording

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## Modern Studio Skills for Electric Strings

An interactive workshop introducing musicians to the fundamentals of recording, live-streaming, and producing electric and acoustic string instruments in modern performance environments.

Participants learn how signal flow, microphones, pickups, audio interfaces, DAWs, and streaming platforms work together to capture professional-quality sound. The workshop emphasizes practical setup skills, tone control, and repeatable workflows that students can apply immediately.

This session bridges traditional string training with contemporary music production literacy.

## Program Highlights

- Signal flow from instrument to recording platform
- Acoustic vs. electric capture strategies
- Microphone types and placement for strings
- Direct input (DI) and interface fundamentals
- Gain staging and monitoring basics
- DAW workflow for beginners (Mac & PC)
- Live-stream setup essentials (OBS / audio routing basics)
- Creating balanced mixes for string instruments

# Music Production and Recording

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## Optional Focus Areas

- Home recording
- Live-streaming performances
- Hybrid acoustic-electric setup
- Pedalboard-to-DAW workflows
- Integrate backing tracks, loops
- Social media performance
- Intro to mixing
- Classroom-based production systems

## Full-Day Production and Recording (optional extension)

### Extended Day Includes:

- Setting up / testing signal chains
- Recording short performances
- Layering strings in a DAW
- Building a simple live-stream routing setup
- Basic mixing and EQ for clarity
- Troubleshooting common recording issues

### Participants leave with:

- A home-recording workflow
- A practical understanding of audio routing
- Increased confidence navigating music technology systems

## Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Workshop	90 minutes	600 USD
Lab	Half Day	1000 USD
Lab	Full Day	1800 USD

# professional development

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# Teaching Electric Strings in the Classroom

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## Foundations Professional Development

Confidently integrate electric strings into your existing music program—without overwhelming your budget, your schedule, or your classroom management system.

This foundational professional development experience equips music educators with the knowledge, tools, and implementation strategies needed to introduce electric strings and basic music technology into orchestra, general music, or STEAM settings.

Participants leave with practical plans, equipment guidance, and ready-to-use curriculum frameworks.

### Participants will explore:

- Budget-conscious equipment strategies (\$300+ entry points)
- Essential signal chain basics (pickup → pedal → amp)
- Classroom management for tech-based instruction
- Standards-aligned lesson integration
- Starter curriculum maps for ensemble or exploratory models
- Grant language templates and funding pathways

### Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Lab	Half Day	750 USD
Lab	Full Day	1400 USD

# Electric Strings Rock Band

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## Collaborative Ensemble Professional Development

Reimagine ensemble learning through collaboration, arrangement, and student-driven music-making.

This hands-on professional development experience models how electric strings can function inside a modern ensemble setting. Educators experience the process themselves - choosing repertoire, assigning roles, arranging collaboratively, and performing - so they can replicate the structure with their own students.

### Participants will explore:

- Student-driven song selection models
- Ensemble role design (rhythm / bass / melody / texture)
- Simplified arranging frameworks
- Balancing acoustic and electric instruments
- Rehearsal strategies for collaborative settings
- Performance-ready ensemble structures

### Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Lab	Half Day	750 USD
Lab	Full Day	1400 USD

# Creative Assessment and Technology Integration

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## Program Design and Development

Move beyond equipment and effects into intentional program design. This advanced professional development experience is designed for educators who want to build sustainable, standards-aligned electric strings and music technology pathways within their schools or districts. Participants explore how to assess creative work, integrate music technology across ensembles, and design programs that balance artistry, rigor, and innovation.

## Participants will explore:

- Assessment models for improvisation, composition, and sound design
- Rubrics for creative + collaborative work
- Project-based learning structures
- Integrating electric strings across orchestra, band, and general music (including budgeting options for sustainable growth)
- Cross-curricular STEAM connections
- Building vertical program pathways (middle → high school)
- Communicating value to administrators and boards

## Available Formats

<b>Format</b>	<b>Time</b>	<b>Base Price</b>
Lab	Half Day	750 USD
Lab	Full Day	1400 USD

# Let's Collaborate.

Book a workshop. Discuss your program objectives, or brainstorm creative ways to meaningfully integrate music and technology.

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## Contact Us

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