

Inspiring the “Net Generation” String Player with Instructional Technologies



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Abstract:

Students under the age of 25 are considered to be the “Net Generation.” Their method and mode of learning is vastly different than any previous generation. As a result, educators must be prepared to teach and mentor in new ways that connect with the standards and expectations of this “Net Generation.” Scholars surmise that teachers will see a drastic shift in their role as content deliverers to that of facilitators/mentor in coming years. String, orchestra, and private studio teachers must not only keep up with this exciting trend in education, but serve as pioneers. These dynamic sessions will cover utilization of instructional technologies for classroom enrichment, effective online content delivery, assessment, sequencing and accompaniment, communication, and course management. Sample classroom scenarios and teaching strategies, as well as hardware and software components will be discussed and demonstrated.



Scott Laird

Scott D. Laird, a native of Indiana, PA, earned his B.S. in Music Education and his M.A. in Violin Performance from Indiana University of

Pennsylvania. He is on the faculty of The North Carolina School of Science and Mathematics where he is Fine Arts Coordinator and directs the orchestra, guitar program, and recording technology programs. Prior to the 2001-02 school-year, he was Director of Orchestras for Eleanor Roosevelt High School in Greenbelt, MD where he conducted three orchestras, two with full wind complement and the ERHS Electric String Quartet, which he established in 1996.

He has been an active string educator and conductor for over 20 years and his orchestras have been recognized their superior and musically mature performances. He makes frequent appearances as a clinician and guest conductor throughout the United States. In addition, Laird serves as Educational Specialist for D’Addario Bowed Strings and NS Design Violins.

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Charles Laux

Mr. Charles Laux holds degrees in music education from Ohio University and the University of Nevada, Las Vegas. Currently he is an orchestra director/string

specialist in the Hilliard City Schools and a doctoral student in music education at The Ohio State University.

Prior to his move to Ohio, Mr. Laux was the orchestra director at Winter Park High School in the Orange County (Florida) Public Schools. Under his direction, the Winter Park High School Philharmonic Orchestra was chosen to perform at the 60th annual Midwest Band and Orchestra Clinic. From 1996 until 2003, Mr. Laux directed middle school orchestras in the Clark County School District, centered in Las Vegas. He has also served on faculties of the College of Southern Nevada, Valencia Community College, and the University of Nevada, Las Vegas.

Mr. Laux’s leadership roles include serving as president of the Florida and Nevada chapters of the American String Teachers Association. He is also a member of OMEA, MENC, TI:ME, ASTA, and Phi Mu Alpha Sinfonia and is in demand as an orchestra clinician, conductor, and adjudicator

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Session I: Framing the discussion: The changing role of teachers and students

Philosophy – Framing the Discussion

Efficiency – for all levels and disciplines

Books:

- *Disrupting Class: How Disruptive Innovation Will Change the Way the World Learns*
- *Grown Up Digital: How the Net Generation is Changing YOUR World*

Flow of content: Was - one way, Now - two way

8 Norms of the Net Generation

Changing Role of the Instructor

- Efficiency of time
- We are now a FACILITATOR!!

Content delivery online and outside of class

- Flow of information during contact time is more interactive in classroom
- Consider what portion of their curriculum is content delivery
- How can this be done more efficiently using instructional technologies?

Session 2: Incorporating instructional technology into the classroom

Equipment

What are your needs? Will your needs expand with time?

What is your budget?

Classroom Automation

- Tuning, Scales, Exercises, Echoes
- "Get off the podium!" philosophy
 - proximity

MIDI/Audio Accompaniments

- Improves sense of beat, rhythm, pitch, tone
- Loop practice
- Small & Large group benefits
- Software
 - GarageBand for Mac (<http://www.apple.com/ilife>)
 - FL Studio for PC (<http://flstudio.image-line.com>)
 - Formerly called Fruity Loops
 - PC equivalent of GarageBand (sort of)
- SmartMusic
- Waveform editors
 - Audacity (<http://audacity.sourceforge.net/>)
 - Free audio editor for Mac or PC
 - "See" the music
- Other RTA applications
 - Amadeus Pro (<http://www.hairersoft.com/AmadeusPro>)

Information Management

- Google Docs
 - Forms for data collection
 - Posting assignments

Web Resources Links

- Audacity (<http://audacity.sourceforge.net/>)
 - Free audio editor for Mac or PC
- 4teachers.org - helps you integrate technology into your classroom by offering online tools and resources
 - Quizstar
 - Rubistar

Session 3: 24/7 content delivery and classroom management

Practical/ Implementation – what WE have done

Piano/Guitar

- Lessons on instruments – video
- Advanced techniques – youtube offerings
- Theory lectures – video
- Worksheets assessment/tutoring
- Recitals assessment
- Individual song credits are tutoring/interaction

Orchestra/Wind Ensemble/Jazz

- Rehearsal is interactive
- Lessons in technique – online video/Moodle
- Students schedule individual time with me for assessment and tutoring
- Assessment – in person or recorded or blog
- Philosophy - blog

Composition/Theory

Music History/World Music

- Youtube – content ncssmfinearts channel
- Practical Implementation – what can YOU do?

Elementary Instrumental – online lessons for the kids to be reminded what they learned. What do you do that is repetitive?

Elementary General

- Interactive singing or rhythm lessons with students online. If the student liked the lesson, they can do it at home with family
- Recorder lessons

Middle School

- instrumental lessons
- Pro performances of literature example “Birdland”

High school choral

- Pro performances of literature
- Rehearsal tracks

Utilize the strengths of the instructors in the district

- Navigating Instructional Technology Resources – ie: web content, software, content delivery tools, assessment tools

Course management Software – Moodle, School Center

YouTube – moderating content /filtering/ recommending

D’Addario videos – the lesson room

Wikipedia

- Composers
- Terms
- Dates

Music theory.net – tutorials

- Others

Session 4: Technology and Assessment tools

Why?

- part of student's lifestyle
- motivational

Audio Recording

- Immediate feedback
- Handheld recorder models
 - Zoom H2, \$179 (<http://www.samsontech.com/products/productpage.cfm?prodid=1916>)
 - Sony PCM-M10, \$299 (<http://pro.sony.com/bbsc/ssr/cat-audio/cat-recorders/product-PCMM10%2FR/>)
 - Benefits
 - Features/Options

Assessment Tools

- SmartMusic
 - Notation on screen
 - More and more pieces becoming available
- Intonia (<http://www.intonia.com>)
 - Listens to your pitch and shows visual representations
 - Can also adjust temperament
- Video assessment
- iPod Nano - 5th generation with video camera, \$149
 - Archive for digital portfolio
- Band in a Box

Grading

- "How did I get a B on that playing test?"
- Spreadsheet grade entry
- Mail merge to rubric in word processing program

Need Help Selecting Gear? <http://www.sweetwater.com>

Notes: