

CHRISTOPHER J. RUSSELL, PH.D.

WHAT'S NEW WITH THE IPAD  
AND MUSIC EDUCATION  
(2020)

**WHERE ARE WE AT?**

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHERE ARE WE AT?

- In 2018 (latest data) Chromebooks made up 60% of computer/tablet purchases in schools (CNBC)
- 30 Million Chromebooks being used in education (9to5Google)
- 80 Million GSuite for Education Users (9to5Google)
- 40 Million Google Classroom Users (9to5Google)



**CHROMEBOOKS HAVE WON THE BATTLE**

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHERE ARE WE AT?

- There are very good subscription based services, but the key issues of the Chromebook in Music Education are not being addressed.
  - Most schools are not buying touch or *especially* flip models which are desperately needed in music education.
  - Most schools do not pay for student access to subscription based solutions
  - Most solutions are outegration vs. integration
  - Most music teachers are teaching in much the same way that we taught music in the 1950s.
  - We are losing students to STEM programs, even with ESSA and STEAM

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHERE ARE WE AT?

- In the end, many schools are choosing a single device, and replacing EOL iPads with Chromebooks
- The iPad isn't perfect...
  - Expensive to repair
  - MDM (device management) is expensive (JAMF)
  - Behavioral management (Apple Classroom) is flawed
  - Proper use requires a blend of teaching Digital Citizenship and an iron fist

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHERE ARE WE AT?

- While your school may be leaving iPads, they still have greater potential for music educators as a personal or professional device than a Chromebook
- If an IT manager or principal is educated about music education, they will know that the \*educational\* Chromebook isn't a great fit for music—especially performance-based classes
- It is 100% reasonable to request a new or updated iPad for your own use
- Depending on your situation, you may be able to request a small number of iPads for students to use
- Or you might be able to claim a cart of iPads that are not EOL, but simply being replaced in your classroom (Don't claim EOL devices)

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHERE ARE WE AT?

- The iPad continues as a device, unmatched in its form factor, with continual improvements.  
Hardware examples:
  - iPad Pro 12.9" (November 2015). Now on 3rd Generation. Waiting for 4th Generation (Do not buy new now [1/2020] unless urgent)
  - iPad Pro is 85% of the speed of current MacBooks.
  - Apple Pencil (1st and 2nd Generations exist)
  - 7th Generation iPad \$329 (less for education) (10.2 inch) (O.K. to buy)
  - iOS 13 (Mouse integration)...connect with your BT keyboard...computer experience on iOS
  - "Sidecar" Extended Display

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHERE ARE WE AT?

- The music technology blogs have been very quiet
  - “New” at this time is evolutionary vs. revolutionary
  - The Chromebook’s “winning” has taken wind out of the sails
  - Online services keep improving but it is all evolutionary
  - There has been a lack of exciting hardware accessories (e.g. page turners, BLE MIDI)
  - There has been little change in how music is printed, distributed, sold, and used
  - Teachers haven’t changed practice to use what already exists



IT ISN'T AS MUCH

"WHAT IS NEW?" AS

"WHAT IS NEW TO YOU?"

IT IS UP TO US TO KEEP PUSHING  
THE BOUNDARIES AND TO ASK  
FOR MORE FUNCTIONALITY

**I WOULD LIKE TO USE THIS TIME TO  
SHOW YOU SOME VERY PRACTICAL USES  
OF THE IPAD IN MUSIC EDUCATION**

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Keynote (free)
  - Current and past uses
    - Welcome message to class
    - Display learning targets
    - Project warm-ups
    - Embed video  
(entertainment or education)
    - Embed audio
    - Display sight-reading

## THINGS JUST LOOK GOOD

- Walk of Honor (Seniors)
- Rehearsal order
- Export to MacBook
- AirPlay to AppleTV or MacBook
- Create videos
- Display class rules

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Scanning Music
  - Sheet Music Scanner (\$5)
  - PlayScore 2 (\$22 year)
  - NotateMe with PhotoScore IAP (\$70)

**ALSO ON IPHONE**

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Music Notation
  - The online services do work on iPad, to a point (Noteflight, [flat.io](http://flat.io))
  - There are a number of notation apps...I generally recommend Notion (works great with the Mac/Windows version)
    - Ease of use
    - Great sounds
    - Handwriting recognition

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Video Creation
  - Video has become my main (outside of school) focus these days
    - Ukulele resources, Recorder resources, Collaboration with Physical Education
  - While iMovie is great, check out Luma Fusion

**STUDENTS ALREADY LEARN INCREDIBLE AMOUNTS FROM VIDEO  
HOW ARE YOU UTILIZING THIS OPPORTUNITY TO REACH THEM IN THEIR OWN  
PREFERRED MEDIA FORMAT?**

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Digital Sheet Music
  - This used to be my #1 argument for iPads in music
  - Apps: forScore, unrealBook, Newzik
  - Sources:
    - Scanning
    - IMSLP, CPDL, Band Music PDF Library, Art Song Central
    - One Dollar Scan
    - Sheet Music Plus, Total Sheet Music, Musicnotes, Noteflight



# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Church Musicians
  - OnSong
    - Creates/imports editable chord charts OR PDF documents
    - Works with Planning Center
    - Replaces binders
    - Transpose chord charts on the fly
    - Project lyrics to the audience

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Tuners
  - Embedded in apps like forScore
  - TonalEnergy Tuner
  - iStrobosoft
  - GuitarTuna

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Music Memos
  - Written as a solution for musicians using Voice Notes
  - Play your music; it analyzes chords and adds bass and drums
  - Exports to GarageBand
  - Ever need a really quickly created accompaniment track?

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- iReal Pro
  - Create accompaniment tracks based on chord progressions

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Sight Reading Factory
  - Web based (and wonderful)
  - Has iOS App, too
- SmartMusic also has a sight reading component

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Games
  - NinGenius (new version for Android)
  - Flashnote Derby
  - StaffWars
  - StaffWars Live

# WHAT'S NEW WITH THE IPAD AND MUSIC EDUCATION

## WHAT IS NEW TO YOU?

- Classroom Management
  - iDoceo
    - Seating Charts
    - Grading
    - Lesson Planning

IF YOU HAVE AN IPAD (OR IPADS), HOW  
ARE YOU USING THEM?

DO YOU FIND YOURSELF "FROZEN IN  
TIME?"

HAVE YOU TRIED TO FIND ANY NEW  
SOLUTIONS?



CHRISTOPHER J. RUSSELL, PH.D.

[TECHINMUSICED.COM](http://TECHINMUSICED.COM)