Integrating CS && Music in K-8

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BootUp PD

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How to reach the resources

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 - Presentations
 - Integrating CS && Music in K-8



Hardware practices



YouTube playlist with more examples



Software practices

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YouTube playlist with more examples



5 minutes exploring a playlist below

Hardware examples

Software examples

For each video you skim through, consider:

- What CS practices/concepts are evident?
- What music-related practices/concepts are evident?
- Whose standards are evident?
- Where does this fit in <u>SAMR</u>?
- What are the affordances/constraints for both CS && music?
- How much time will you spend in each domain?
- What if you don't have the expertise in both domains?



Free music && CS projects for K-8

- K-2
 - #9 Musical Instrument
- 3+
 - #13 Beatbox Machine
 - #14 What Can You Create? Music
 - #25 Music Player
 - Link to student-facing resources



Resources to learn more

- CSK8 Podcast
 - In this episode I unpack my (2020)
 publication titled "Intersections of
 popular musicianship and computer
 science practices," which discusses
 potential implications of hardware
 and software practices that blur the
 boundaries between music making
 and computer science.
 - Link to over 100 more episodes
- Music && Coding Resources
- Presentations
- Publications





Free publications

- Benedict, C. & O'Leary, J. (2019). <u>Reconceptualizing "Music Making:" Music Technology and Freedom in the Age of Neoliberalism</u>. *Action, Criticism, and Theory for Music Education*, 18(1), 26-43.
- O'Leary, J. D. (2018). <u>A corpus-assisted discourse analysis of music-related practices</u>
 <u>discussed within chipmusic.org</u>. *Dissertation*.



More publications

- O'Leary, J. (2020). <u>Intersections of popular musicianship and computer</u>
 <u>science practices</u>. *Journal of Popular Music Education*, 4(2), 153-174.
- O'Leary, J. (2020). <u>Making music with circuit-bent children's toys</u>. In *Aligning Music to STEM: Theory and Practice for Middle School General Music*, edited by Frank Abrahams (pp. 203-208). Chicago: GIA Publications, Inc.
- O'Leary, J. (2020). <u>Hip Hot Cross Buns</u>. In *The Music Technology Cookbook:* Ready-Made Recipes for the Classroom, edited by adam patrick bell (pp. 301-309). Oxford: Oxford University Press.
- O'Leary, J. (in press). Computer science && popular music education. This
 edited handbook has not yet been announced.

What questions do you have?

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