8-bit composition Unit: Composing for Old School Video Games

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What's the plan?

- Video games?
- 8-bit?
- Potential projects
- Let's play!
- Some considerations
- Questions?

How to reach the resources

- www.JaredOLeary.com
 - Music Education Presentations
 - 8-bit Composition Unit?

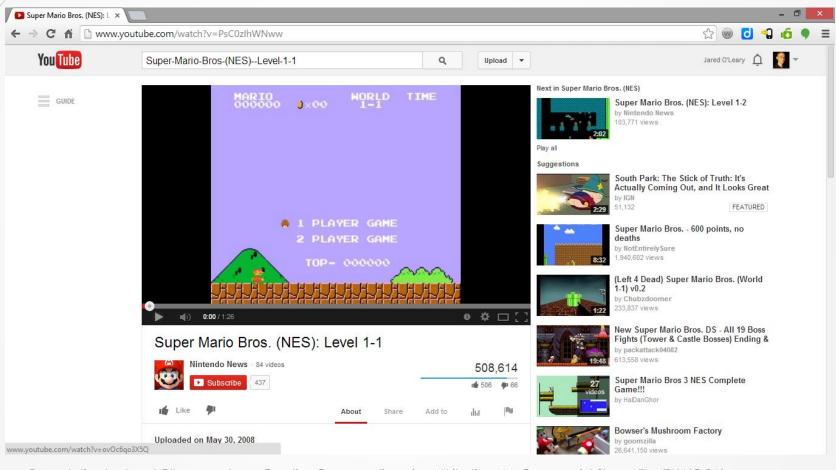




Video Games?

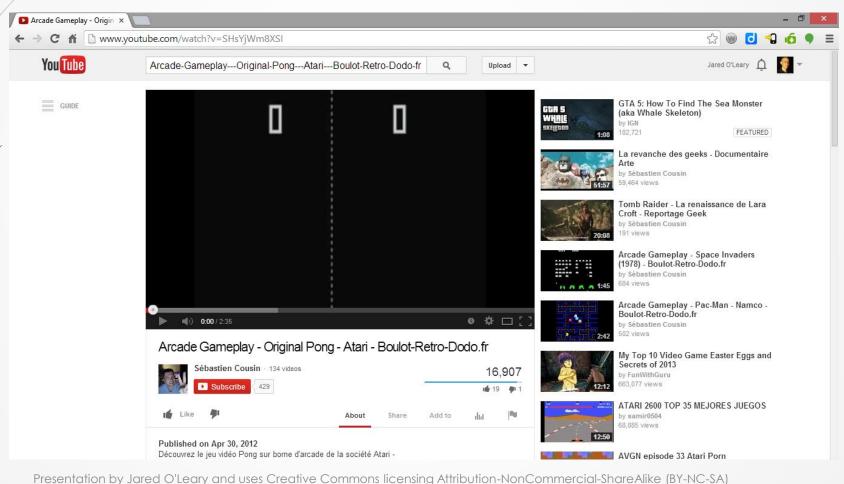
- Who plays video games?
- Why use video games in music education?

Jumping in: Super Mario Bros (NES)

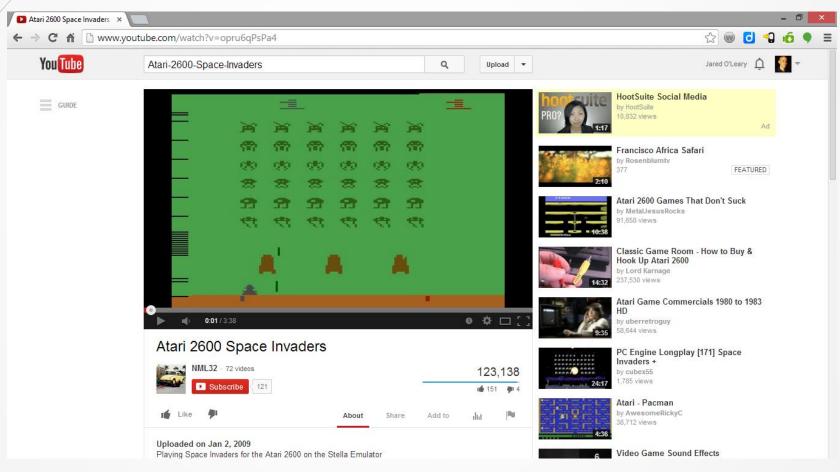




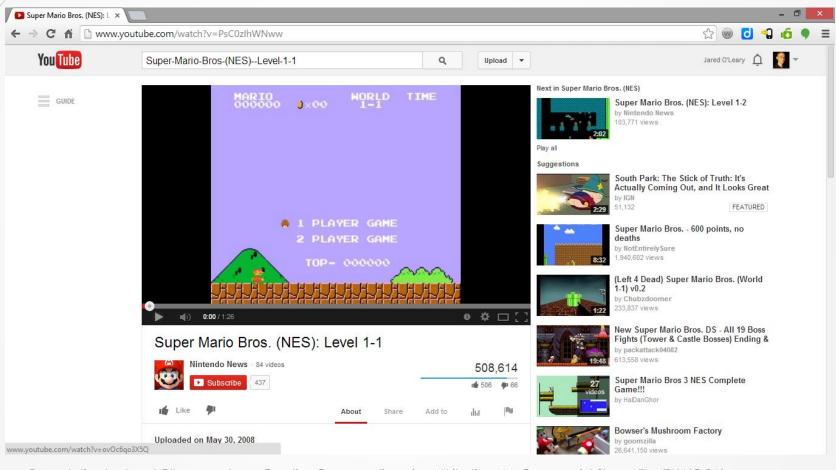
An intro to 8-bit: Pong (Atari)



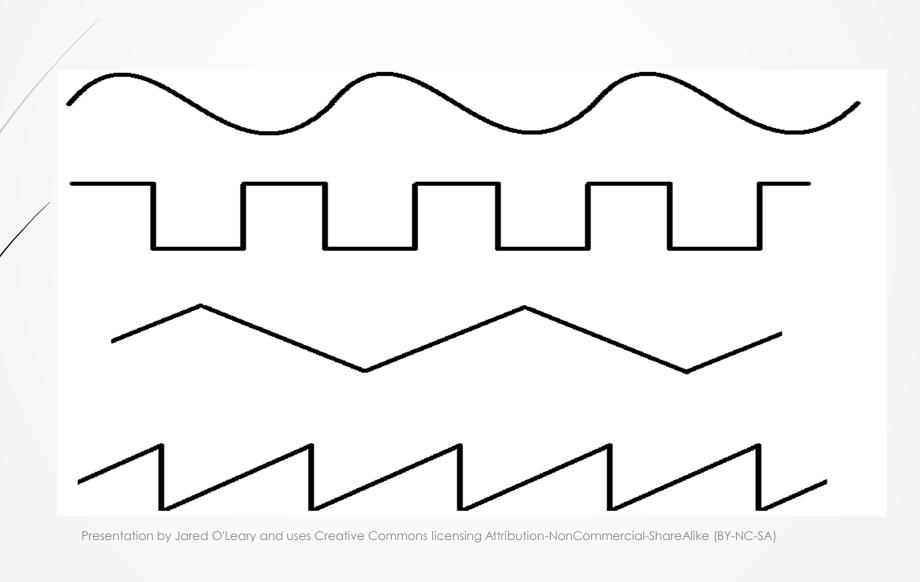
An intro to 8-bit: Space Invaders (Atari 2600)

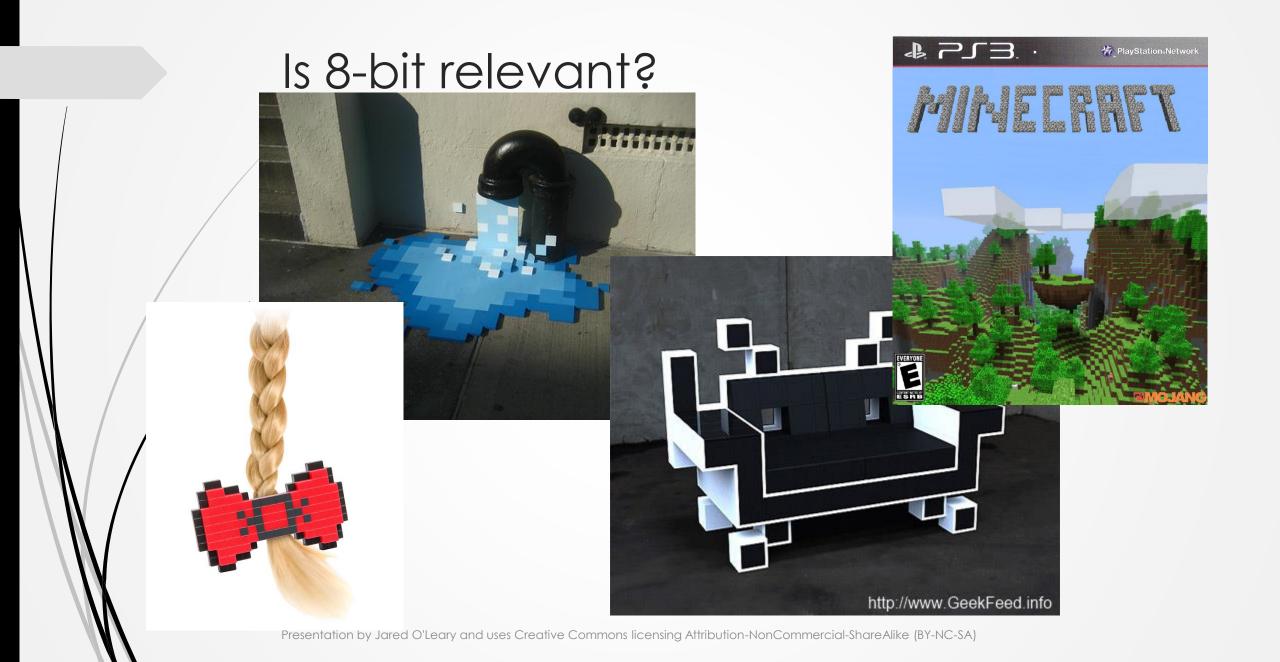


An intro to 8-bit: Super Mario Bros (NES)



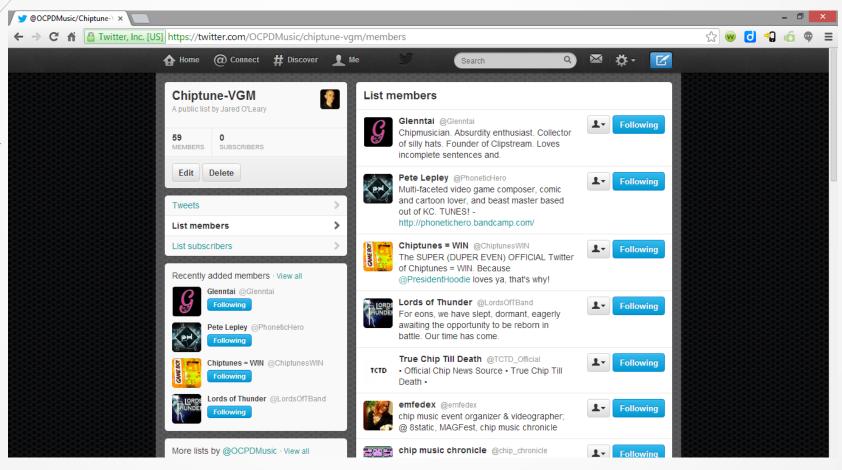
Wave forms in 8-bit







What could a project look like? Composing original works



What could a project look like? Performing original works



What could a project look like? Film scoring for 8-bit video games



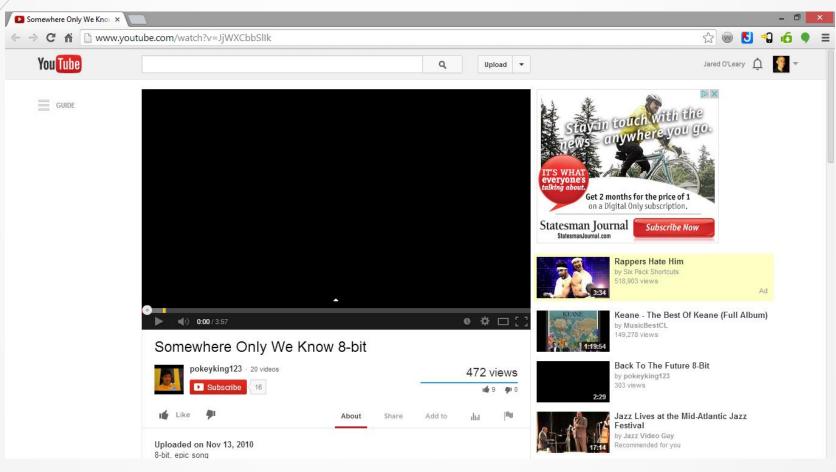
What could a project look like? Film scoring for modern video games



What could a project look like? 8-bit remixes/covers/arrangements



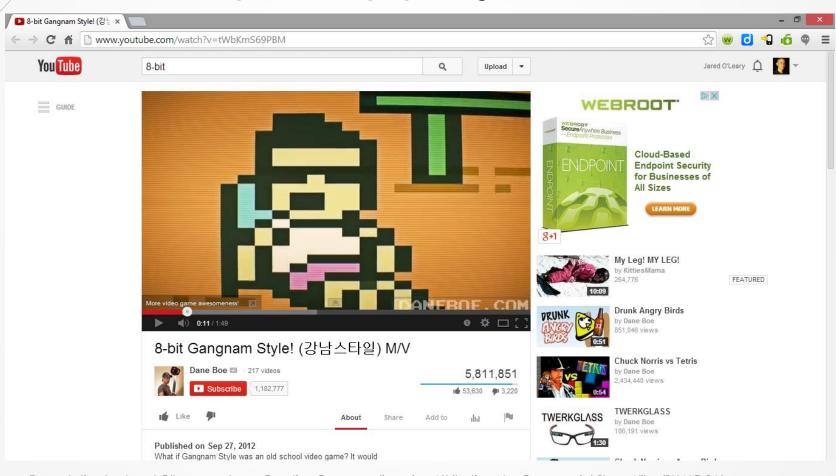
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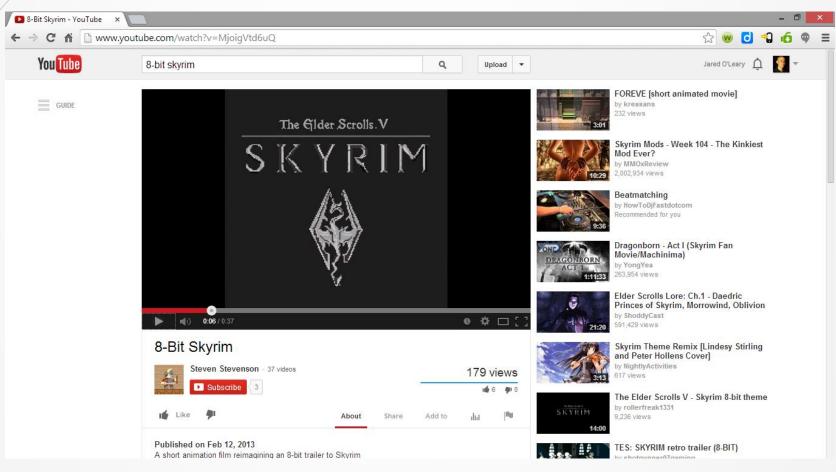
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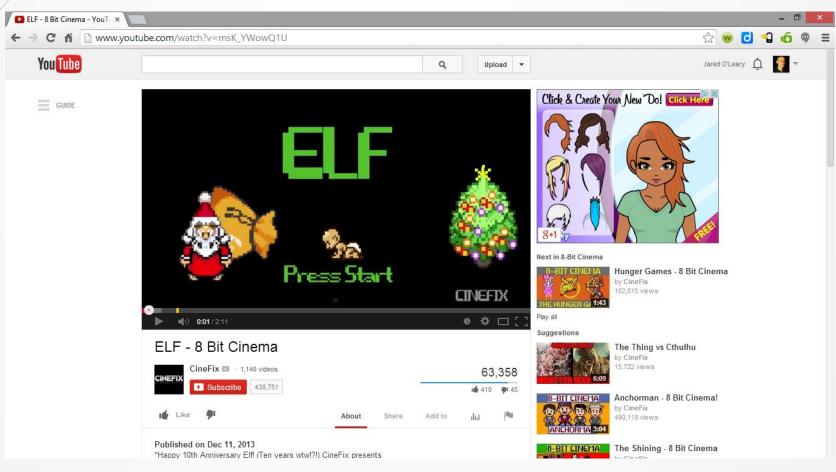
What could a project look like? Interdisciplinary projects



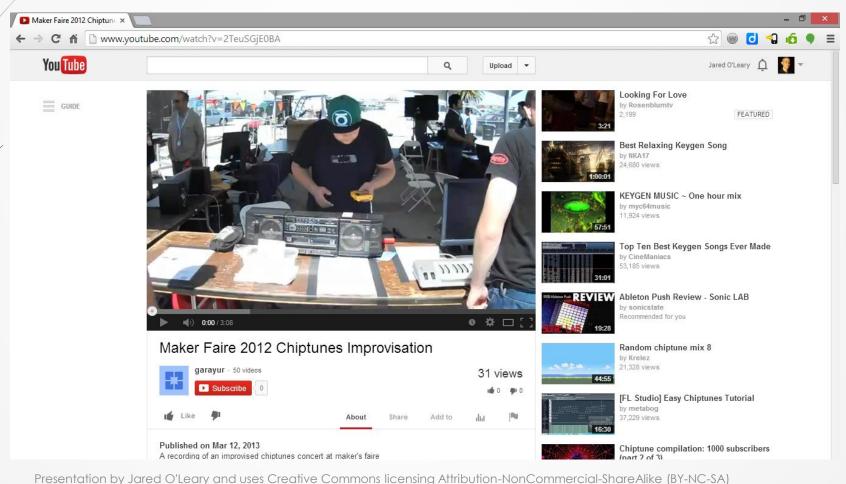
What could a project look like? Interdisciplinary projects



What could a project look like? Interdisciplinary projects



What could a project look like? Interdisciplinary STEM/STEAM projects





What just happened?

- Film scoring
 - Except it's live
- Considerations:
 - Thematic material
 - Interactions with the environment
 - Interactions with the player
 - Flexible



Why 8-bit and not any MIDI data?

- Technological constraints = project criteria
 - Memory = Limited number of measures
 - Evolving environments = Evolving music
 - Key/Mode = Key/Mode
 - Limited channels = Limited number of voices
 - Wave form limitations = Limited timbre options

How do I...

- ...find the games to play?
- ...know which games are appropriate to play?
- ...find/create 8-bit sounds?
- ...find out what technology to use?
- ...teach a project like this?

Questions?

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