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Children, teachers, schools, and a district are very engaged using our new web application connecting music-making and computer science.

**New Challenges & Next Steps**

*The next challenges are A) Disseminating the experience in the research community. B) Expanding the program to additional sites nationwide. C) Securing more funding to continue developing, spreading, and researching the program.*

**Equity**

*Connecting CS and music allows children to engage in CS through their personal interests. The applications and curriculum are being developed and implemented in a majority Latinx school district, not only directly serving the children in the district, but also ensuring that they can be implemented in other districts with similar demographics.*

**Lessons Learned & Insights Gained**

*We developed M-Flow, a flow-based computer programming language for children to create music and sound compositions. We created curriculum in collaboration with a majority Latinx school district and implemented it in four classrooms. Children were very engaged, schools continued using the application beyond the original plan, and the curriculum will be rolled out district wide in two large districts.*

**Listening to Code. Engaging children in CS through the connections with music.**

Victor Hugo Minces, Wanli Xing, Chenglu Li, Alec Barron, Susan Yonezawa

NSF Award Number​: 1657366 Dates: 2017-2023

Project type:​ DTI

Project URL: www.listeningtowaves.com

Project Overview: Our project has previously demonstrated that underrepresented children engage with science through the connections between physics, sound, and music. This poster focusses on a new web application connecting music with computer science.