



STEAM-Based Professional Development



THE
SHELDON
Arts Without Borders

3648 Washington Blvd. | TheSheldon.org

July 29 from 9 a.m. - 12 p.m.

Limited In-Person Capacity and on Zoom!

The Sheldon Arts Foundation is pleased to offer professional development for educators. The Sheldon SOLID (Science of Learning Instrument Design) Music Project is a STEAM-based program, underwritten by The Boeing Company and supported by the St. Louis Science Center, that challenges students to design and create their own musical instruments by following the steps of the engineering cycle. Students receive instruction from St. Louis Science Center and Sheldon staff and will learn about the connected worlds of sound, science and art. This program is designed to get students excited about creative problem solving by combining the creativity of the arts with STEM disciplines.

Attendance is FREE of charge

Contact [Katelyn Galenski](mailto:kgalenski@thesheldon.org) at kgalenski@thesheldon.org to register!

Itinerary:

- * Introduction to STEM/STEAM and the STEM/STEAM cycle - Dr. Ray Wicks
- * Science of Sound - St. Louis Science Center
- * World Music Instruments and Visual Art Component - Dr. Aurelia Hartenberger
- * The SOLID Challenge and Classroom Resources
- * Teacher Engagement Activity - teachers engage in STEM/STEAM cycle and show and tell their unique sound creations
- * Teachers will receive a certificate and curriculum materials to take back to their classrooms

