

THE SHELDON SOLID MUSIC PROJECT

STEAM PROFESSIONAL DEVELOPMENT DAYS



August 1, Noon-3 p.m.
August 2, 9 a.m.-Noon
Sheldon Concert Hall & Art Galleries
3648 Washington Blvd., St. Louis, MO

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 program, begun three years ago with support of The Boeing Company, which combines the creativity of the arts with the STEM disciplines of Science, Technology, Engineering and Math. Teachers will learn how to integrate the engineering cycle into a creative instrument building project for their classroom.

Attendance is FREE of charge

Contact Sue Wise at swise@thesheldon.org to register!

Itinerary:

- * Introduction to STEM/STEAM and the STEM/STEAM cycle - Dr. Ray Wicks
- * Science of Sound - Mr. Tim Mulhall, St. Louis Science Center
- * Visual Art Component - Ms. Olivia Lahs-Gonzales, Sheldon Art Galleries Director
- * World Music Instruments - Dr. Aurelia Hartenberger
- * Teacher Engagement-teachers engage in STEM/STEAM cycle and create a unique music instrument with recycled and repurposed materials provided
- * Teachers will receive a certificate and curriculum materials to take back to their classrooms

Aurelia Hartenberger, Ed.D. is a graduate of Washington University in St. Louis. She is currently Associate Professor of Music at the University of Missouri - St. Louis, and Maryville University. She has served as Curriculum Director of the Mehlville School District and Music Coordinator for Lindbergh School District, and has been named five times as "Teacher of the Year" at the local, district, and state levels.

Olivia Lahs-Gonzales is director of the Sheldon Art Galleries in St. Louis where, since her arrival in 2001, she has curated 250 exhibitions for six gallery spaces devoted to photography, architecture, jazz history, St. Louis artists and collections, and children's art. Also a practicing artist, she has exhibited her work in St. Louis, Chicago, London and Tokyo.

Tim Mulhall has worked for the Saint Louis Science Center since 2007. His passion for youth programming shows through in the work he does with teens in the Youth Exploring Science program where he gets to merge his interest in the sciences with his desire to make a positive impact on the Saint Louis community.

Raymond Wicks, Ph.D., has been a teacher, administrator, grant writer and consultant for nearly five decades. His work includes developing curriculum materials for the U.S. State Department, leadership on state and national boards, and teaching at several universities. He was a Fulbright Seminar Abroad Scholar in China and is a frequent workshop presenter. Since 2012, his focus has been professional development in STEM education sponsored by a Monsanto Fund grant.

