

# THE SHELDON **SOLID** PROJECT

SCIENCE OF LEARNING INSTRUMENT DESIGN

**SOLID** (Science of Learning Instrument Design) is a STEAM program, supported by the **Saint Louis Science Center**, that challenges students to design and create their own musical instruments from recycled materials by following the steps of the engineering cycle.

Through this **FREE** program, students will learn about the science of sound, instrument design, and the engineering cycle through fun and interactive online and in-person demonstrations.

## **SOLID learning opportunities include:**

**A 45-minute demonstration on the “Science of Sound”** given by a Saint Louis Science Center representative. Q&A and student participation involved!

**A 45-minute classroom session with a Sheldon teaching artist** to assist in the instrument design and build.

## **Implement SOLID curriculum into your classroom!**

Curriculum and free professional development provided by The Sheldon. Teachers are recommended to devote 3-6 class periods to the project for best results. Submit your students’ instruments to be displayed at The Sheldon for a spring exhibit and reception.

*(date and format to be determined by health and safety regulations)*

## **Get started with SOLID!**

Register at [TheSheldon.org/solid](https://TheSheldon.org/solid) or e-mail Katelyn Galenski at [kgalenski@TheSheldon.org](mailto:kgalenski@TheSheldon.org) for virtual and in-classroom opportunities.

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