



Complete the top of this form (EU, standards/skills, DQ, final product, culminating experience) to figure out how to organize the building blocks of your project.

## Project Planner Joy through Sound: 1st grade, Lake Elementary-Vista, CA

### Enduring Understanding (grounded in your discipline):

Sound is important to our world

### Standards & Skills:

NGSS, ELA, collaboration, agency

### Driving Question:

How can we use sound to bring others joy?

### Final Product(s):

create an instrument to perform for senior center

### Culminating Experience:

performance for senior citizen center next door

### Benchmark Phases

1. Background science
  - How sound, waves work
  - Catch that wave activities, journals
  - Music class vocabulary
2. Prototyping (small group)
  - Kinder - 3 diff models - analyze models
  - Investigate + measurement, shape, data
  - experts
3. Individual instrument design
  - Intro to materials
  - Opinion writing
  - Science content vocabulary

### Student Deliverables

1. Quiz
2. Labeled sketch draft + graph audience favourites
3. 5 sentences + instrument