

# MAKER JOURNAL

Name: \_\_\_\_\_



Date: \_\_\_\_\_

## Harmonizing with STEAM Standards Design Challenge!

Here are the criteria and constraints for the Design Challenge:

<b>CRITERIA</b>	<b>CONSTRAINTS</b>
<ul style="list-style-type: none"> <li>• Your instrument must be able to play a simple song</li> <li>• Your instrument must create 3 or more distinct pitches</li> </ul>	<ul style="list-style-type: none"> <li>• Use at least 5 different materials provided</li> <li>• Complete the challenge within 30 minutes.</li> </ul>

### IDEATE PHASE

Draw below your team's design(s) ideas:

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## PROTOTYPE, TEST, & ITERATE PHASES

Draw below your team's prototype design(s). Show any tests made to the design(s) and then show any iterations your team made to the design:

PROTOTYPE	TEST	ITERATE

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## Our Final Design!

Draw your final instrument below. Explain how it satisfies all criteria and constraints of the Design Challenge.