

Heartwood School - Instrument Mounts

“When Words Fail Music Speaks”



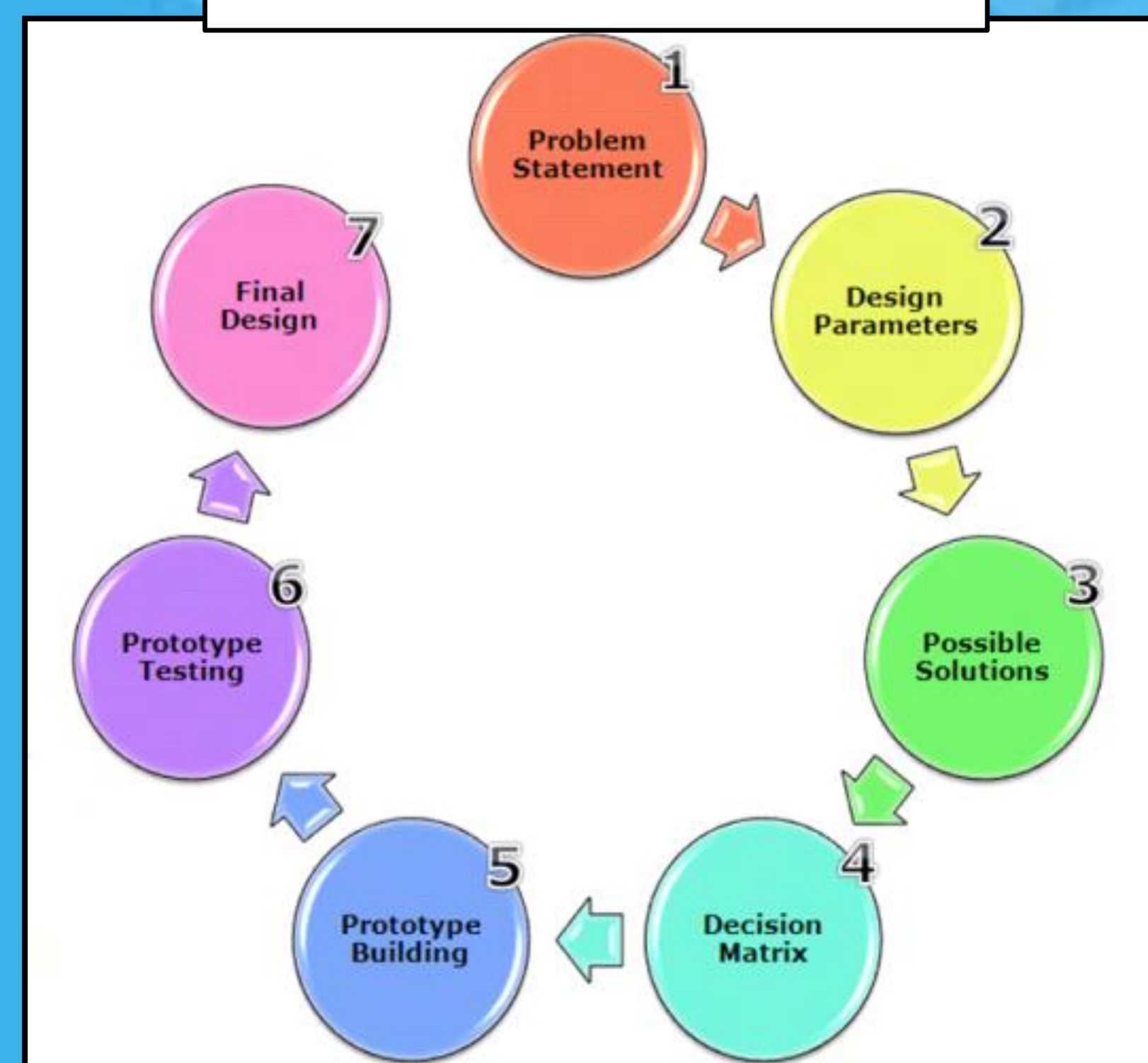
Problem Statement

Currently employees are constrained having to hold the instruments for the students which limits their ability to perform other necessary tasks associated with music therapy

Background

- Heartwood school serves students who are eligible to receive services under the categories of moderate and severe cognitive impairments, severe multiple impairments, autism spectrum disorders, and traumatic brain injuries
- Students range from ages 3-26
- Students play the instruments in positions ranging from sitting to standing in various types of equipment
- Students can exhibit ranges of articulate motion from full to limited hand function

Design Process



Outcome of Design

B
E
F
O
R
E



A
F
T
E
R



Drum Mount

- Wooden Frame
- Open bottom to help noise radiation
- Straps for instrument support



Xylophone Mount

- Wooden base and back
- Angled base to support instrument design
- Straps for instrument support



Bongo Mount

- Wooden Frame
- Fabricated around instrument design



Base

- Height & angle adjustment
- Transportable
- Compactible



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