

KINETIC WAVE

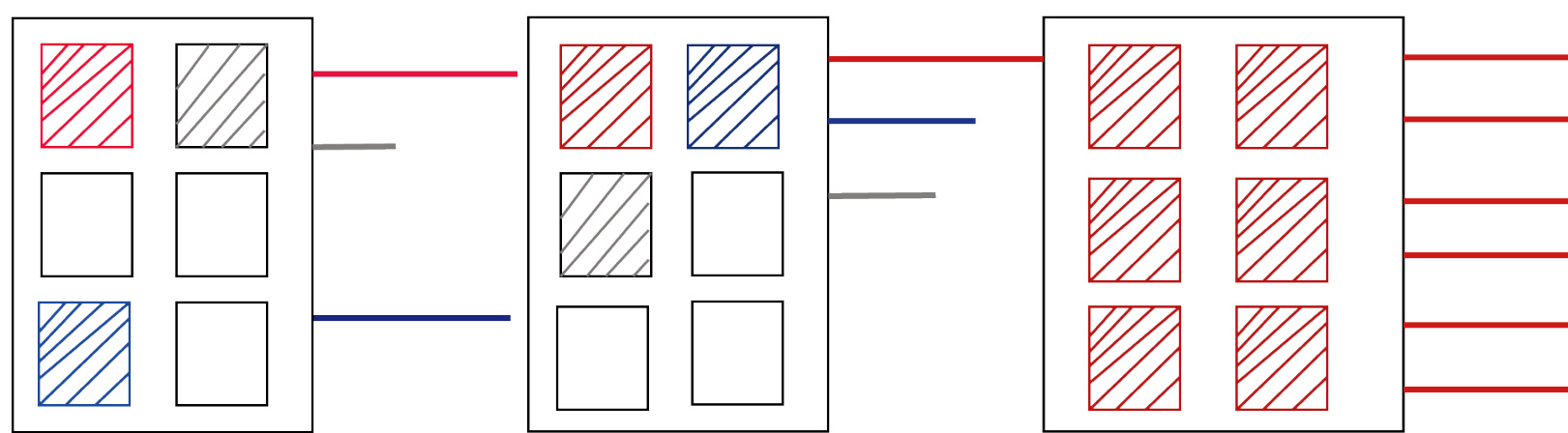
James Pickar + Lucas Held

The Kinect Waves: a drum that takes the physical interaction a person has with a Cajon drum and provides a visual which represents the experience of playing the instrument.

The motion of beating the drum is translated to an abstract visual which consists of wooden poles that are pushed out of the side of the drum based on the pressure and location of where the drum is hit.

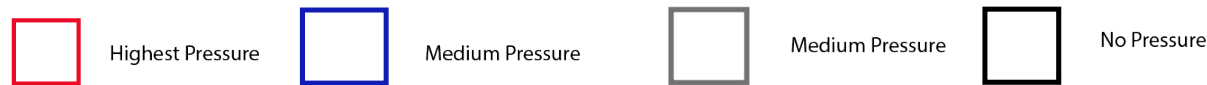
Kinect Waves is a way of experiencing sound and playing an instrument in a different light. When playing a Cajon drum a user interacts with the drum's face with their hand, which generates the sound of the drum.

DESIGN RESEARCH



Different plates on the face of the drum

Where the drummer hits the drum and the force of the hit is reflected by the location and distance of the wooden plates that are pushed out.



USE DIAGRAM

