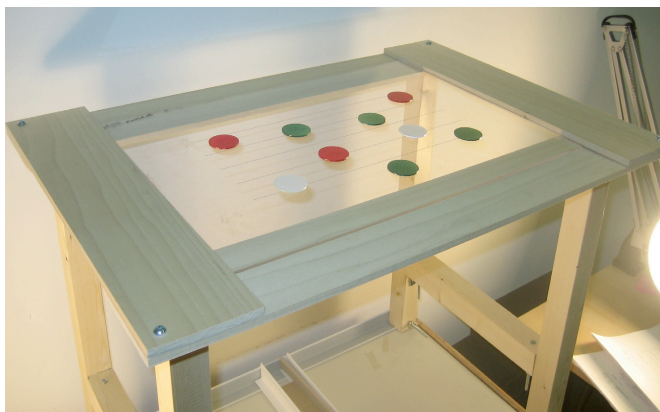
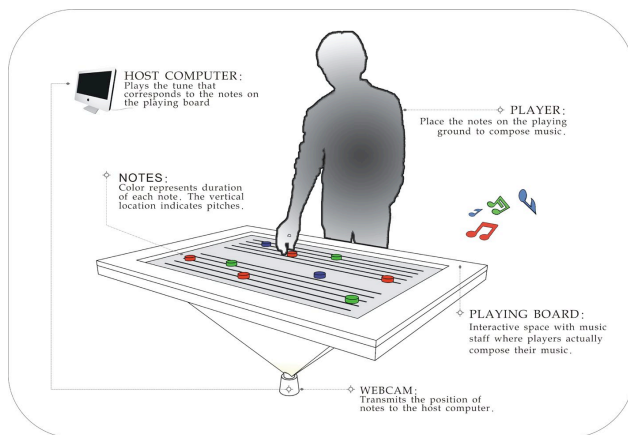
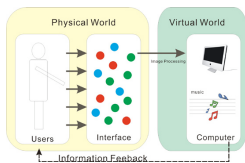


Tangible Notes

Making music palpable

Tsung-Hsien Wang



Tangible Notes is a tangible interface designed for preschool children to play with musical notes and scales. This interface provides touchable objects to manipulate untouchable music through their haptic movement. Users explore virtual music by a touch-based fashion. The interface contains two parts: one is the play board and the other is physical notes. The play board is an interactive table where children can place physical tokens, the positions and color of which represent pitches and durations. Children translate their movements into musical composition.

Music notes are physical objects that allow children to play with. Each of three colors represents a different duration: red represent a whole note; green represents a half note and blue represents a quarter note. The horizontal and vertical values of notes determine their sequence in the tune and the corresponding pitches, respectively.