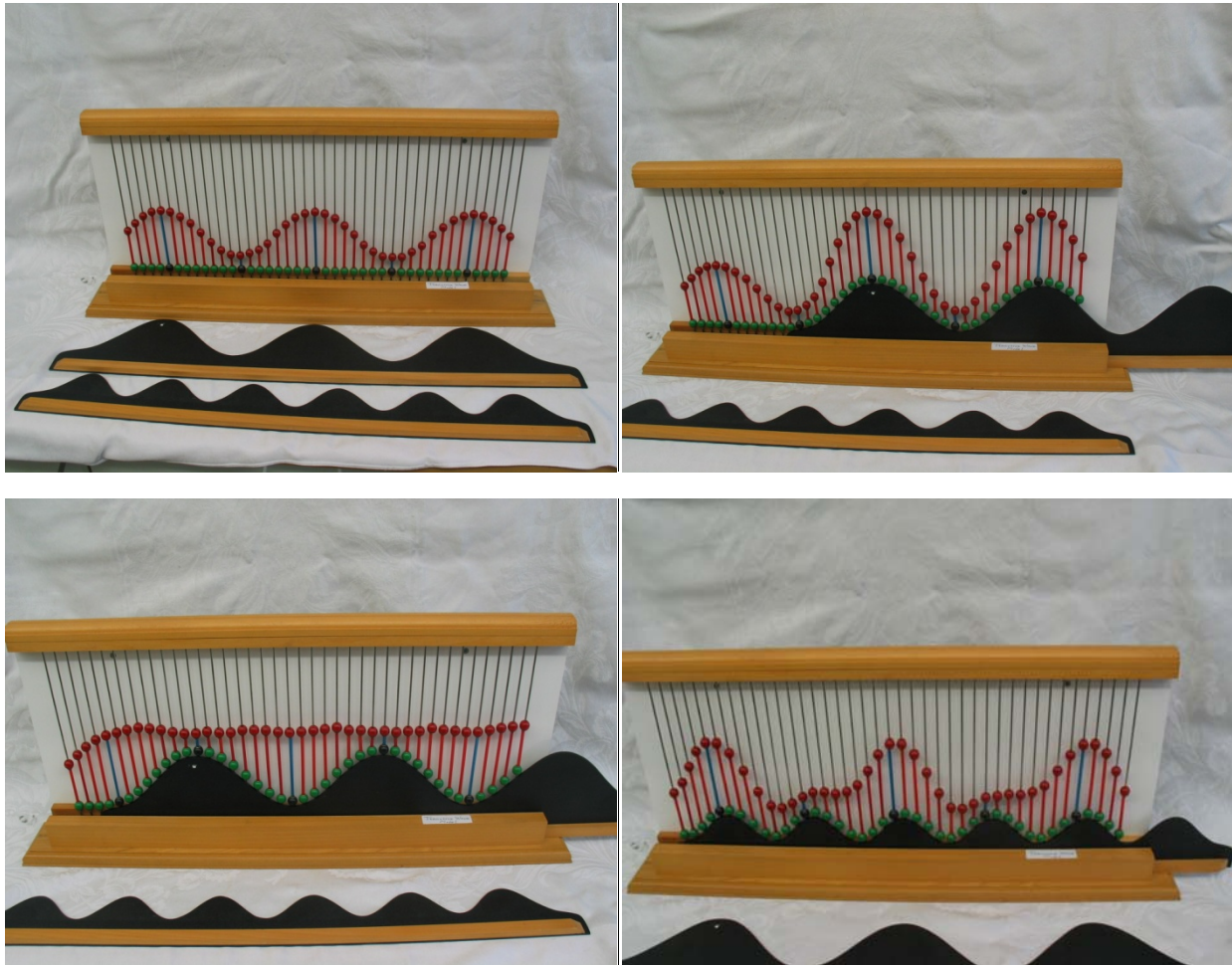


## Transverse Wave Model



**Purpose:** To demonstrate the action and interference of transverse waves.

**Location:** rooms 144 & 148, countertop in rear of room

Slowly insert the black waveform with the same amplitude and wavelength as the red beads. The inserted waveform, represented by the motion of the green beads, results in constructive interference (2<sup>nd</sup> top photo), followed by destructive interference (3<sup>rd</sup> photo). Superposition with a different wavelength and amplitude can be observed by inserting the other black waveform (last photo).