

# mini mozarts



Phil Moss  
Eric Laumann  
Gordon Farmer  
Bryan Marek  
Mike Johnson

The interactive xylophonic keyboard is an instrument designed to motivate four to six year old children to develop an interest in music, by fusing recreation with education into a single product. More specifically, this product was designed to teach the early fundamentals of music reading while helping children develop the coordination necessary for playing the piano.

The key technical challenges encountered were the development of an effective mechanism for striking a xylophone plate when a key is hit by a user, development of a system to recognize the note the user selects on the interactive musical staff, and integration of all the electronics. After 13 weeks of development of the concept, the Mini-Mozarts have developed a working prototype proving the feasibility of the product.

