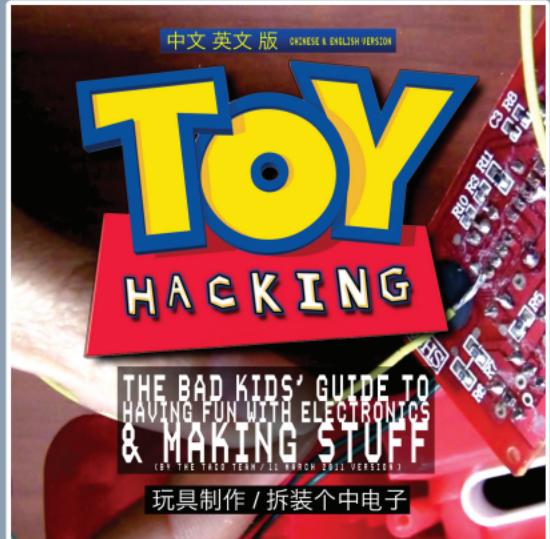


Circuit Bending

Our research is targeted at engaging women and minority groups through "circuit bending" workshops in electronics - the creative short-circuiting and manipulation of electronic devices such as children's toys to create new musical instruments or sound generators. We authored an innovative instructional guidebook to introduce students to circuit bending in English, Spanish and Chinese and have held workshops in Los Angeles, Pasadena, Irvine and Berlin to test and refine our curriculum. The combination of a clearly designed curriculum and guidebook, the leveraging of artistic and musical creativity, and low technological requirements contribute to the strong success of this initiative in Science, Technology and Mathematics (STEM) education.



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<http://conceptlab.com/circuitbending/>