

Handout: PCW 3 – Microcontrollers, tangible bits and chiptunes

Preamble <ul style="list-style-type: none">• Discussion “Interaction” reading	
Getting familiar with the Arduino board <ul style="list-style-type: none">• Exercise 1: Arduino as an IKEA kit• Exercise 2: “Hello, Wolrd!”	
Basic interactive behavior activities: tangible bits <ul style="list-style-type: none">• Exercise 3: The piezo electric buzzer• Exercise 4: Playing tones• Exercise 5 (optional): Cloud computing with Arduino and P5.js• Exercise 6: Chiptunes with litteBits	
Rehearsal and performance <ul style="list-style-type: none">• Rehearsal• Performance• Reflection	