1. What’s been most useful to you? What was the most fun? (why?)

2. What has been least useful to you? What was the least fun part of the class? (why?)

3. What could Matt do to improve next year’s class?

4. Would more homework / labs have helped?

5. Were you happy with the on-line textbook, or would you recommend adopting a physical text?
• 10AM: videos
• Robot behaviors
  – Moving/turning/drawing shapes
  – Reacting to light, setting LEDs
  – Playing music
  – Proximity Sensors
  – Maze navigation
  – Image manipulation / color identification
  – Reactive behaviors (cockroach thing)
• Methods and classes
  – Mutator methods
  – Accessor methods
  – Public / private methods
• Variables
  – Public / private instance variables
  – Scope of variables
  – Declaring: int i
  – Creating: new X
• Comments
• Final: constants
• Order of Operations
• System.out.println
• if / else / else if
  – boolean
  – <, >, ==, !=, etc
  – && , ||
  – Nesting
• Random numbers
• Cat pictures
• Math
  – `pow()`, `sqrt()`
• String
  – An Object
  – Lots of methods (can look up if needed)
• Creating a class
• Loops: while, for
• Interfaces
  – implements

• Recursion
  – Complex drawings
  – Calculations
  – Base case (class) and Recursive case (class)
• Arrays
  – Declare, create, initialize
  – 1D and 2D
  – Adding + removing (sorted or unsorted array)
  – Searching
  – Sorting: bubble sort & selection sort

• Search tree
  – DFS vs. BFS