**Day 4 Plan**

**Summary:**

* stringbot demo
* walking lessons/worksheets
* build walker (interactively, then set loose with photos)
* Demo by end day

**TO DO:**

* make walking worksheet
  + gaits
  + center of gravity
* design human robots activity

**Schedule**:

**Morning**

* Run Stringbot Demos (quickly)
* Journal to review how it went
* Give Algorithms, Info Flow worksheets
* Biped lesson (worksheet)
  + Gaits, Center of gravity
    - Once again, picture on board
    - 4 legged, 2 legged
* Human Robots activity (see walking.pdf)
  + possibly add stiff-legged walking and don’t do any animal locomotion for the moment

**Break**

* Programming Quiz (use NXT block sheet)
  + Second side, ask to write simple program to move a robot forward until it is 3” from something (ultrasonic)
* (optional) Review design/construction principles (worksheet)
* Biped robot
  + Divide into groups
  + Journaling
    - show picture
  + Building
    - start collaboratively

**Lunch, Afternoon**

- Biped Robot, continued

* + Program, test debug

**Late Afternoon**

* Run Challenge
* Cleanup