

Science fieldtrip for New Holly Kids

Wednesday April 12, 2006

Hitchcock 218:

Introduction—Kiran 10:00
Safety
People
Agenda

Basic biology/genetics lesson—Raghu 10:15

What types of things do scientists study?—Carlos 10:30

Malaria/tuberculosis as an example—Dr. Carol Sibley 10:45

Snack break! (5 minutes) 11:00

How do we study these problems? (Model Organisms) as 5 stations 11:05

(5 groups of 5 students each—split by age-group as best as possible)

Drosophila (fruit fly) Mutant station—Steve Voght/Terry

Human genetics—Laura

Microbiology/Replica-plating—Carol

C. elegans (worm movies)—Carlos

Computation approaches—Divya

DNA extraction from onions and strawberries—Joanna 12:05

Lunch in Rotunda 12:30

In J-280:

What is cancer research? AND What do you have to do to become a scientist—Dr. Ray Monnat 1:10

Alternative Science Careers: Genetic counseling—Mercy 1:30

Closing remarks and Q&A—Kiran/everyone 1:45

Lab tours—Sibley lab, Monnat lab, others 2:00

Campus tours

Note: I will have a laptop and a projector available if you need!