

Biology Boot Camp Schedule

Day 5: DNA, Heredity and Reproduction

Supplies

- DNA modeling kits
- Frog cards

Schedule

AM: Nature center

- 8:00 – 8:30: Field Notebook. As students return, hand out frog pictures and have students match them to frog cards
- 8:30 – 9:00: Lecture: Frog Reproduction. Pat Lopez
- 9:30 – 12:00: Lecture: DNA structure and Function. Dr. Hempsey; DNA structure and function lab (Replication only) (Doc: ADE Grant – DNA Structure and Function); Video: Amoeba sisters: DNA replication

12:00 – 1:00: Lunch – on your own

Bring lunch remains for compost bin

PM: NPC

- 1:00 – 1:30: Measure seedling's growth and record details; graph results from the week's observations. *Location: PC 102 & PC 104*
- 1:10 – 3:00: DNA structure and Function lab (transcription and translation) (Doc: ADE Grant – DNA Structure and Function); DNA extraction lab - handout
- 3:00 – 4:00: Minute paper/discussion: what project can you do for your area and grade level for conservation? Can you tie in any concepts you've learned this week? Ideas: Invasive species, internet search for a biological problem in your area. Also, discuss seedling exercise, compost as part of the bigger theme/ problem
- 4:00 – 5:00: Wrap-up and what's ahead. Susan Rodriguez