Introduction to Biological Inquiry
The week of September 13, 2010

Themes for the week:

- Evolution – The march to land: mosses
- Data collection methods
- Database searching of the primary literature
- Reading scientific literature

Assignments and Activities for the week:

| Tuesday  
| (September 14) | Activities | Assignments |
|---------------|-------------|-------------|-------------|
|               | 1. Discuss sexual differentiation expt. | Review Campbell Ch. 29 - mosses |
|               | 2. Examine life history of mosses | Analysis of sex. differentiation expt. due |
|               | 3. Collect data from population density  
|               |   experiment - % spore germination  
|               |   (Day 7) | |

| Thursday  
<table>
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<tr>
<th>(September 16)</th>
<th>Activities</th>
<th>Assignments</th>
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<tbody>
<tr>
<td></td>
<td>1. Estimate gametophyte density in pop. density experiment</td>
<td>Find articles for oral report assignment - turn in Tues., Sept. 21</td>
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|                | 2. Database searching workshop  
|                |   Kevin Engel - ARH 124 | |

Future Dates of Importance:

1. Materials and Methods section due Thurs., Sept. 23
2. Results section due Tues., Sept. 28
Biology 150.04 Introduction to Biological Inquiry
What does it mean to be a plant?
The week of September 20, 2010

Themes for the week:
- Experiment planning
- Scientific writing

Assignments and Activities for the week:

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| Tuesday (September 21) | 1. Discuss experiment planning - finding good questions  
2. Scientific writing - essentials  
3. Collect data from population density experiment - gametophyte density and % composition (Day 14) | Read Investigations pp. 24-30 |
| Thursday (September 23) | 1. Discuss concepts of statistical tests  
2. Statistics Workshop - ARH 124 | Materials & methods section due  
Read pp. 44-46 in Investigations |

Future Dates of Importance:  
1. Group oral reports Sept. 28 & Sept. 30  
2. Quiz on kingdoms, scientific nomenclature, alternation of generations, mitosis and meiosis, mosses, liverworts and C-Fern - Sept. 30