Formative 3, 7/13/08 Prototyping of Chem Lab Activities

Number: ___ / ___ / ___ (Example: KC/1/1)

Activity:     DIRT1/Sugar       WATER1/Celery        LIGHT/Gas Tubes
              DIRT2/Yeast       WATER2/Sugar
              DIRT3/Enzyme

Ask First:

<table>
<thead>
<tr>
<th>Boys/age</th>
<th>Girls/age</th>
<th>Adults’ science background (specify)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
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Participation/Facilitation

Instructions read by: [ ] adult [ ] child (age____) [ ] both adult and child (age_____)

Adults helped children understand what to do
A lot Some A little No

Adults instructed/helped children understand phenomena
A lot Some A little No

Needed help from Explainer
A lot Some A little No

Multiple participants engaged in tasks cooperatively
A lot Some A little No

Safety equipment used where suggested in the instructions
Always Sometimes Never

Comments:

Difficulties with Instructions

Difficulty getting started
A lot Some A little No

Confused about what they were supposed to do
A lot Some A little No

Difficulty identifying/finding materials for activity
A lot Some A little No

Children needed adult help to do the activity
A lot Some A little No

Comments:

Did anyone make a comment indicating that they were making connections between these activities and the Search for Life exhibit? [ ] no [ ] yes :________________________

Interesting Activity-related conversation:
Interview

1. What do you think this activity/experiment is supposed to show people? (Prompt: what happened? why is that important?)

2. How enjoyable was the activity for you? Please rate it from 1 to 7 where 1 means not at all enjoyable and 7 means very enjoyable. _________

2a What did you like best about it? (Why)?

2b Was there anything that you didn’t like? __No  __Yes: What didn’t you like?

3. Were the instructions easy or difficult to follow? __Easy  __Difficult  __Some of each

3a What if anything was difficult in the instructions? Point to the place.

3b Did you have trouble figuring out what to do? __No  __Yes: when was that?

4 Would you say the instructions have too much to read, not enough or about the right amount?
   __Too much  __Not enough  __About the right amount

5. Did you look at the exhibits just outside this room? __No  __Yes. If yes, Did the activities in this room remind you of any of those exhibits? __No  __Yes. If yes, can you tell me which ones?

6. Which activities have you tried so far:
   Activity: 
   - DIRT1/Sugar
   - WATER1/Celery
   - LIGHT/Gas Tubes
   - DIRT2/Yeast
   - WATER2/Sugar
   - DIRT3/Enzyme

7. Do you think the activities in this room have a common theme? __No  __Yes: What is it?