

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

Number:	___ / ___ / ___ (Example: KC/1/1)		
Activity:	<input type="checkbox"/> DIRT1/Sugar	<input type="checkbox"/> WATER1/ Celery	<input type="checkbox"/> LIGHT/ Gas Tubes
	<input type="checkbox"/> DIRT2/Yeast	<input type="checkbox"/> WATER2/Sugar	
	<input type="checkbox"/> DIRT3/Enzyme		

Ask First:

	Boys/age		Girls/age		Adults' science background (specify)
1		1		1	
2		2		2	
3		3		3	
4		4		4	

Participation/Facilitation

Instructions read by:	<input type="checkbox"/> adult <input type="checkbox"/> child (age___) <input type="checkbox"/> 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 ___ if 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?