

# **Eight-Legged Educators: Exploiting the Enigmatic Nature of Arachnids**

## **Evaluation Progress Report**

**Prepared:  
October 2014**

*The contents of this report conform to our highest standards for data collection and reporting. If you should have any questions or concerns regarding the information reported within, please contact us.*

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## **Introduction**

### **Program Description**

Eight-Legged Encounters, a project funded by the National Science Foundation, utilizes arachnids as a hook to draw public interests towards science. Using events at museums such as the Nebraska State Museum in Lincoln and the Denver Museum of Nature and Science, informative and hands-on activities bridge the gap between academia and the public, extending knowledge about arachnids to children and their parents. The Eight-Legged Encounters event series is led by Dr. Eileen Hebets in the School of Biological Sciences at the University of Nebraska-Lincoln (UNL).

### **Purpose of Evaluation**

The Bureau of Sociological Research (BOSR) at UNL was contracted by Dr. Hebets to evaluate the Eight-Legged Encounters event series. The purpose of the evaluation is to assess the strengths and weaknesses of the current program structure, to determine which activities are the most well-received, and the outcomes of the event in order to allow for improvement over the course of the grant and to examine the impact of the project. The goal of this evaluation is to measure the impact of the Eight-Legged Encounters event on the general public's interest in science.

### **Methods**

The data collection for the Eight-Legged Encounters evaluation involved five events and three audiences: adults, children, and the volunteers of the event. Two Sunday with a Scientist events were held at Morrill Hall at UNL (Morrill Hall 2013 and Morrill Hall 2014). In addition, other events included Bugfest, an annual open house event for the UNL Department of Entomology, an event at the Butterfly Pavilion in Denver and an event at the Denver Museum of Science and Nature. The events ranged from February 2013 to September 2014, with Morrill Hall 2013 in February of 2013, Bugfest and Butterfly Pavilion taking place in Fall 2013, Morrill Hall 2014 during the following spring, and the Denver Museum in Fall 2014. The surveys are provided in the Appendices A-C.

#### **Adult Exit Survey**

The adult exit survey, which was tailored to each specific event's activities, was distributed to families at the conclusion of all five events. Adult attendees leaving the event were asked if they would be willing to complete a short survey about their experiences at the event. Participants were asked to rate how interesting they found the stations, report on behavioral changes such as likelihood to kill a spider or interest in scientific discoveries following the event, as well as express their impressions of the volunteer help.

#### **Child Exit Survey**

The child exit survey was given along with the adult exit survey at the Morrill Hall 2014 Sunday with a Scientist event, as well as at the Denver Museum event. Adults with children were asked, in addition to completing the adult exit survey, to provide consent for one of their randomly selected children to participate. Children were asked, in a structured interview format, how much they liked the different stations as well as their interest in learning about spiders and science in the future.

## Volunteer Survey

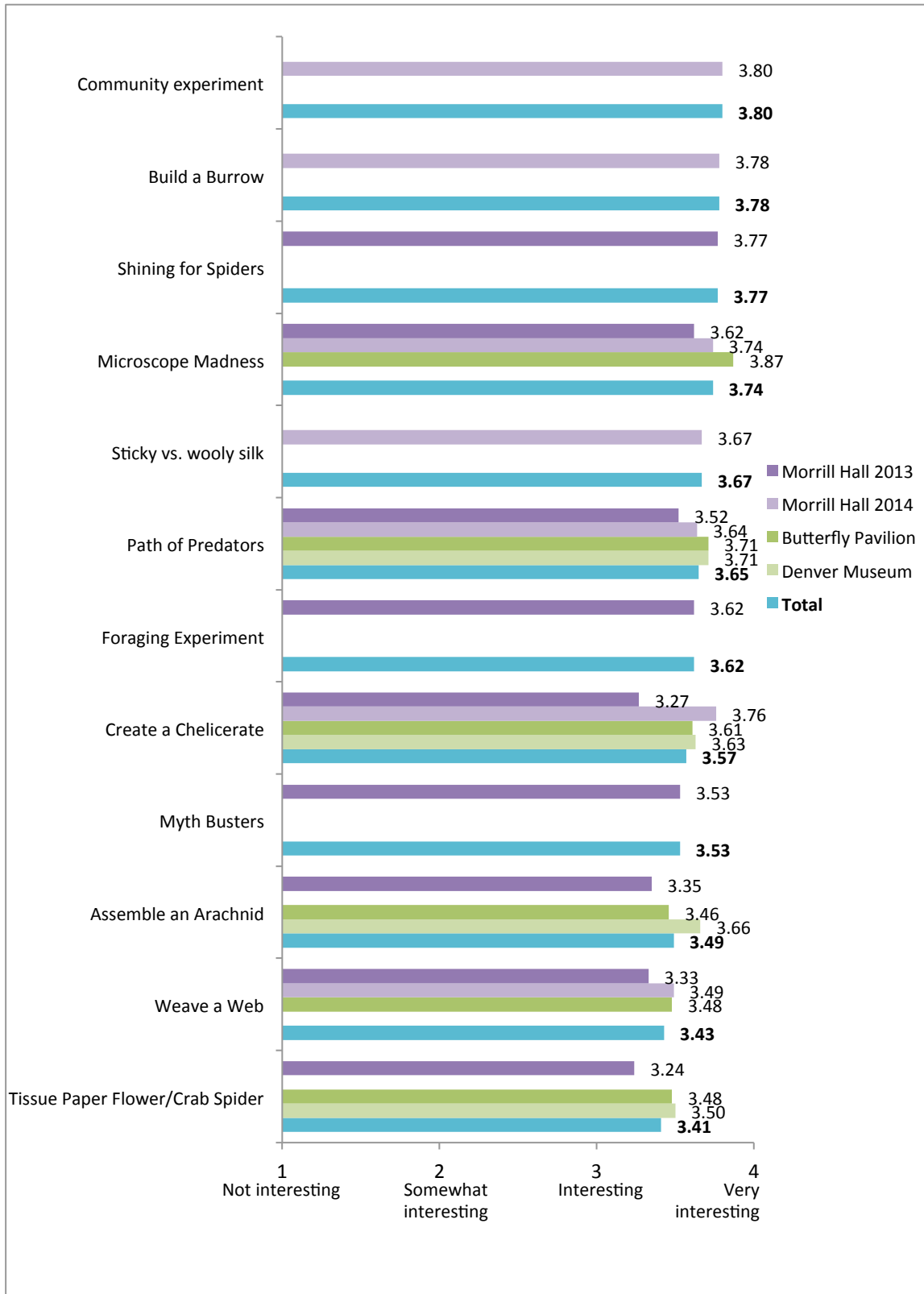
The volunteer exit surveys were distributed at the Morrill Hall 2014 and the Denver Museum events to all of those volunteering with the event. Participants were asked about their likelihood of participating at another similar event or another science outreach event, how the experience impacted their ability to convey science to a general audience, what they learned from volunteering, as well as the adequacy of the preparatory information that they received.

## Findings

### Event Activities

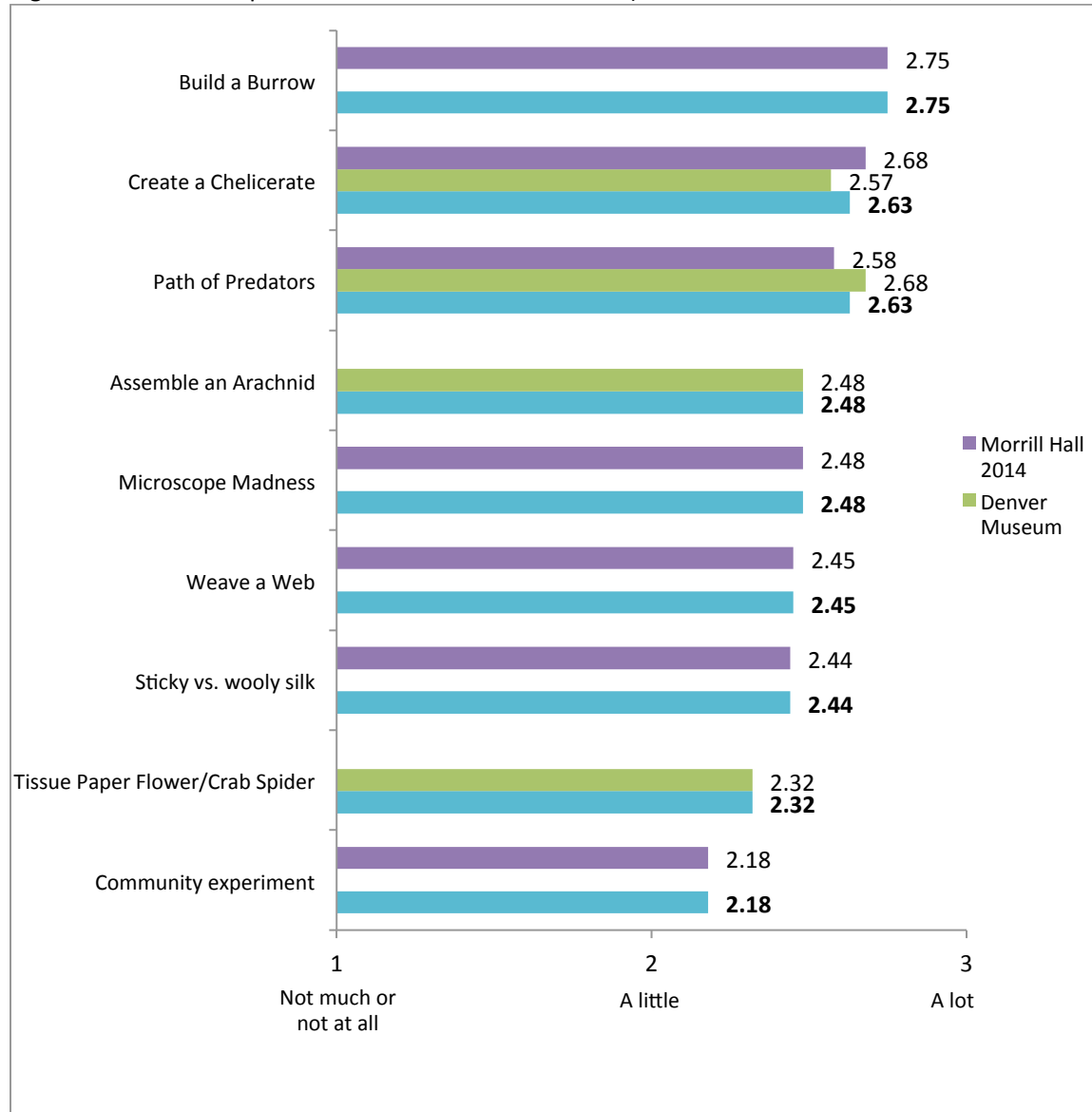
On each adult survey for both the 2013 and 2014 Morrill Hall events, the Butterfly Pavilion, and the Denver Museum event, the attendees were asked to indicate how interesting they found each of the event activities, using a scale where 1 was not interesting and 4 was very interesting. It is important to note that different activities were offered at each event, so data are missing for events at which specific activities were not offered. As shown in Figure 1, the feedback from the adults was overwhelmingly positive for all four events, ranging from interesting to very interesting. None of the means for any of the events or activities was below 3.0. The Morrill Hall 2013 activities that received the highest ratings were the Foraging Experiment (mean=3.62) and Microscope Madness (mean=3.62), while the Community experiment was the best-received activity during the Morrill Hall 2014 event (3.80). Adults found Microscope Madness the most interesting activity at the Butterfly Pavilion (mean=3.87), and the Path of Predators Workbook at the Denver Museum (mean=3.71). **Overall, the Community experiment (combined mean=3.80), Build a Burrow (combined mean=3.78), and Shining for Spiders (combined mean=3.77) activities received the highest ratings across all four events, and the Tissue Paper Flower/Crab Spider (combined mean=3.41), Weave a Web (combined mean=3.43), and Assemble an Arachnid (combined mean=3.49) the lowest.**

Figure 1. Adult Participants' Interest in Event Activities (Morrill Hall 2013 n=77, Morrill Hall 2014 n=46, Butterfly Pavilion n=35, Denver Museum n=195)



The children who completed the exit interview were also asked to rate how much they liked each activity they attended, using a scale where 1 was not much or not at all and 3 was a lot. Similar to the adult survey data on the activities, the children also gave positive feedback, with all of the means between a little and a lot. **Overall the top-rated activities included Build a Burrow with a mean of 2.75 (only asked about at Morrill Hall 2014 event), Create a Chelicerate (combined mean=2.63), and Path of Predators (combined mean=2.63)**, while the Community experiment (Morrill Hall 2014 mean=2.18) and the Tissue Paper Flower/Crab Spider (Denver Museum mean=2.32) had the lowest means.

Figure 2. Child Participants' Interest in Event Activities (Morrill Hall 2014 n=27, Denver Museum n=122 )

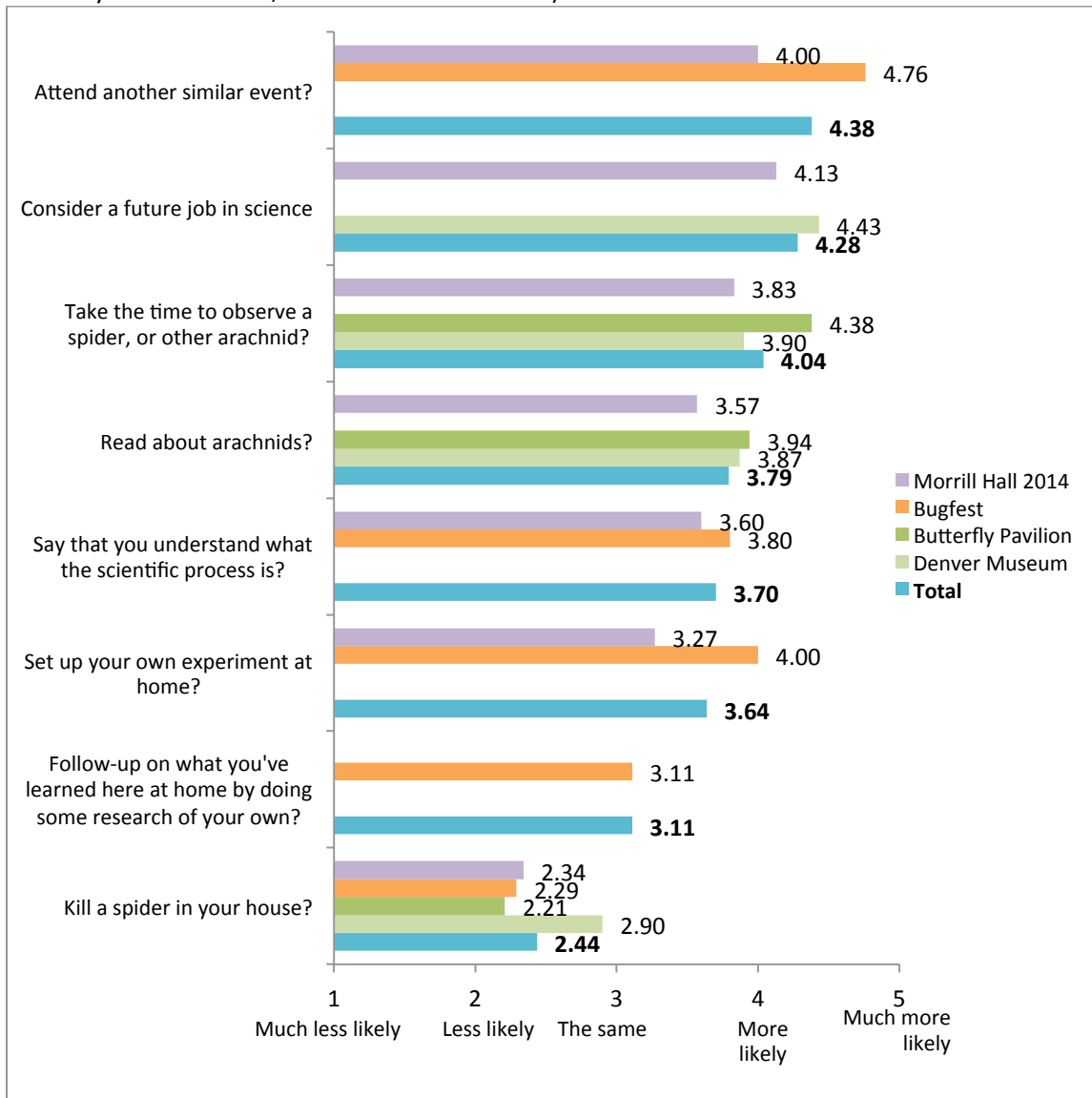


### Future Activities

In addition to asking the adults who came to the events and completed surveys to rate how interesting they found each of the event activities, they were also asked how likely they would be to complete certain activities in the future, such as attending a similar event, reading about arachnids, or following

up on the event activities at home. The participants reported their likelihood using a scale where 1=much less likely, 3=the same, and 5=much more likely. As shown in Figure 3, with the exception of the one reverse-coded item (kill a spider in your house), the adults overall felt more likely to do each of the activities in the future. **Overall their likelihood of attending a similar event in the future increased the most** (combined mean=4.38, between more likely and much more likely), followed closely by their consideration for a future job in science (combined mean=4.28). Their likelihood of killing a spider decreased slightly (combined mean=2.44, between less likely and the same).

Figure 3. Adult Participants' Likelihood of Future Activities (Morrill Hall 2014 n=65, Bugfest n=20, Butterfly Pavilion n=53, Denver Museum n=232)

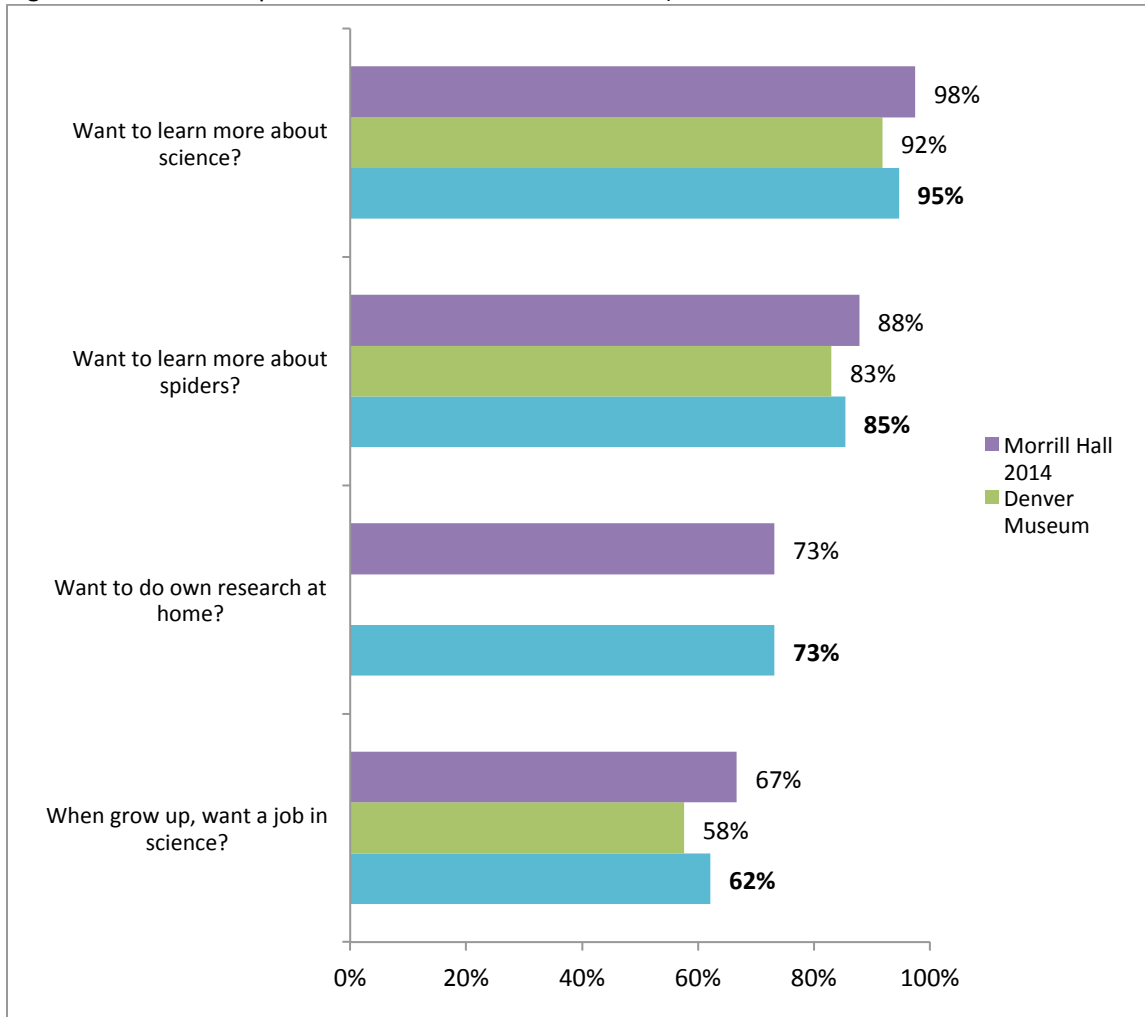


The children were also asked, through a yes/no question, about their future activities related to science and spiders. As shown in Figure 4, **the majority of children who participated in the surveys would like to do each of the activities in the future.** The item with the most agreement was wanting to learn more



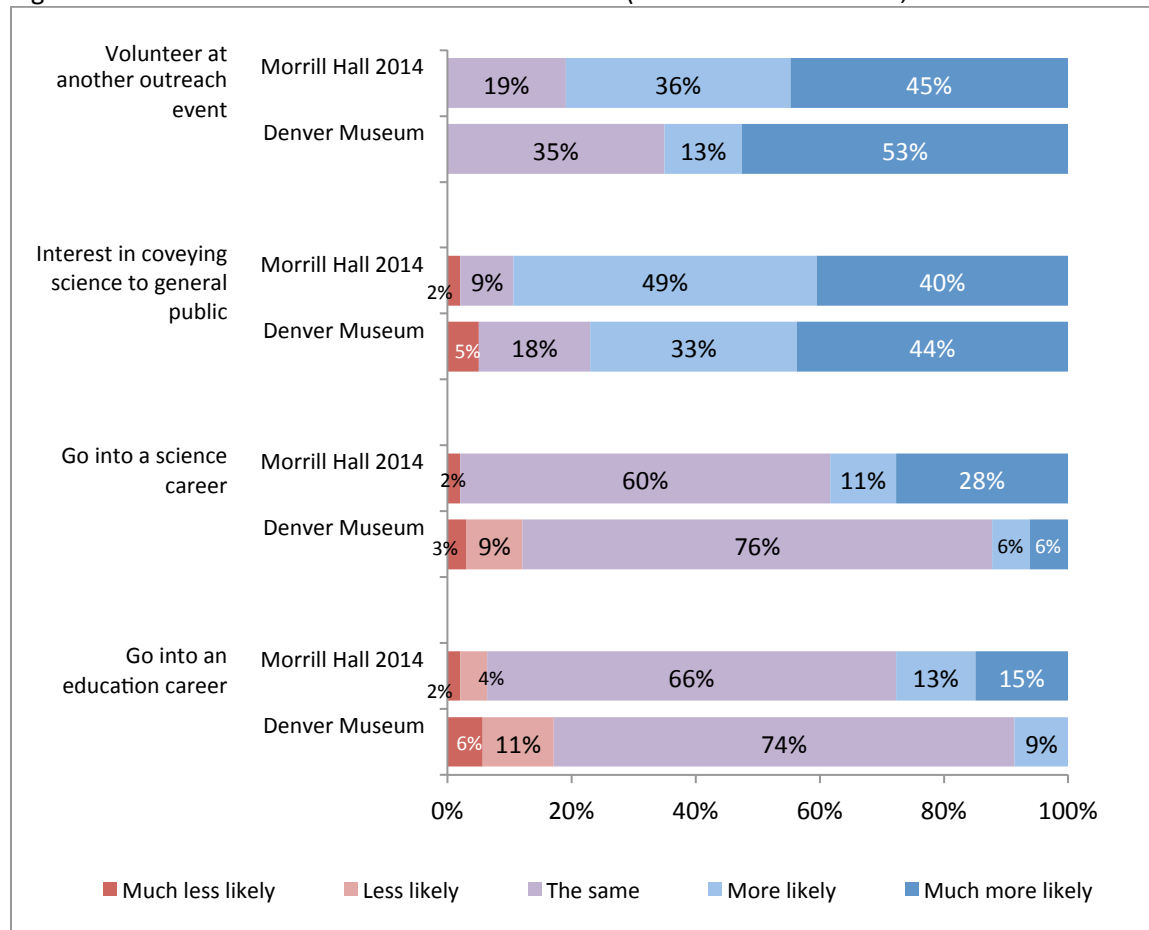
about science (combined 95%), with the least agreement when asked if they want a job in science when they grow up (combined 62%), although nearly two-thirds of the children still agreed.

Figure 4. Child Participants' Desire for Future Activities (Morrill Hall 2014 n=40, Denver Museum n=146)



Event volunteers were asked to rate the likelihood of their future activities, such as future volunteering and going into a science or education career, using a scale from much less likely to much more likely following their experience at the Eight-Legged Encounters events. Little changed with future career intentions among the volunteers with 60% of Morrill Hall 2014 volunteers and 76% of Denver Museum volunteers reporting no change for a science career and 66% of Morrill Hall 2014 volunteers and 74% of Denver Museum volunteers reporting no change for an education career (see Figure 5). However, much more change was observed among interest in conveying science to the general public (89% of Morrill Hall 2014 volunteers and 77% of Denver Museum volunteers showing an increased likelihood), and in volunteering at another outreach event (81% of the Morrill Hall 2014 volunteers and 66% of the Denver Museum volunteers showing an increased likelihood).

Figure 5. Volunteers' Likelihood of Future Activities (Morrill Hall 2014 n=47, Denver Museum n=40)



## Event Experience

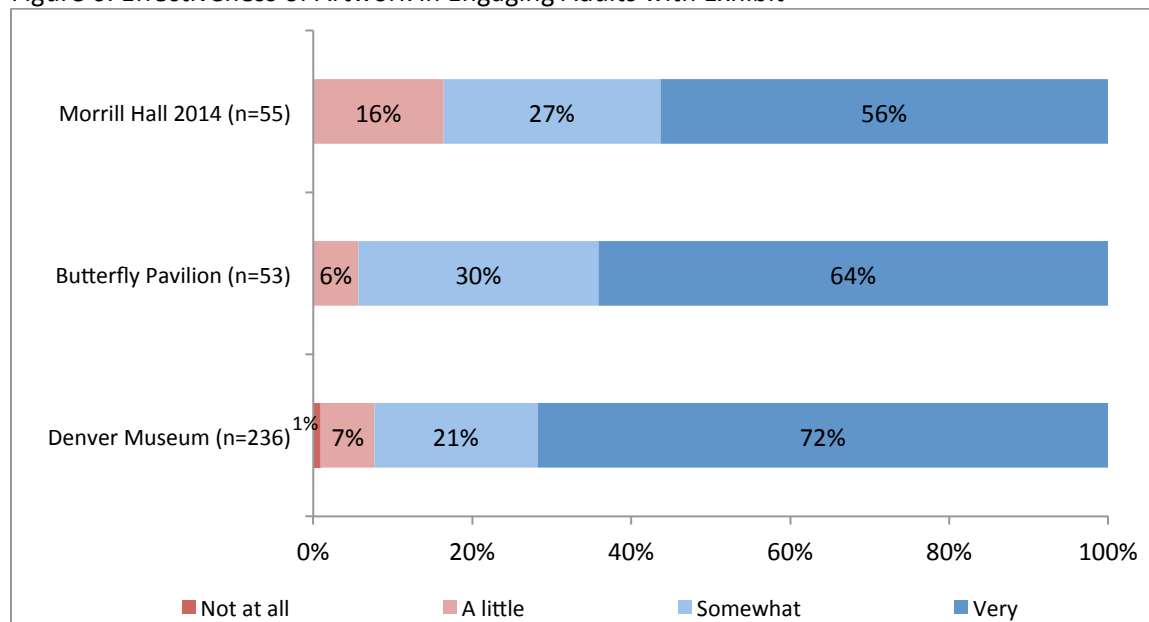
The adult survey participants were asked additional questions in order to find out more about the effectiveness and overall experience of attending the events. Attendees of Morrill Hall 2014 and Denver Museum were asked whether or not they had learned anything new at the event as well as a follow-up open-ended question, while those at Bugfest and the Butterfly Pavilion were asked only the open-ended question. **Overwhelmingly, the adults who completed the Morrill Hall 2014 and Denver Museum surveys reported learning new material** (94% and 93%, respectively). When asked to describe what they had learned many responses were given, with some clear patterns (see Appendix C for complete open-end data). Many participants at all of the events discussed new information and facts that they had learned about Daddy long-legs, including that they are not spiders and are not poisonous (n=36). A lot of the participants at both Morrill Hall events, both the Butterfly Pavilion and Denver Museum events, and Bugfest also learned a lot about scorpions (n=20), with one saying they learned that *“There are scorpions in Nebraska.”* Other new knowledge gained by the adults who attended the events include how spiders and arachnids eat, bite, or hunt (n=13), about their vision or their eyes (n=11), and information about ticks (n=10). Nine of the respondents gave positive feedback about their views on spiders, including *“Insects + other small creatures are a part of our world + matter too!”* and *“Spiders are our friends!”*

Feedback from the event volunteers indicates that the events were learning experiences for them as well. **Nearly three-quarters of the Morrill Hall 2014 volunteers (73%) and 93% of the Denver Museum volunteers said that they learned something new.** When asked in an open-ended follow-up question to describe what they had learned, the key theme was general information and knowledge about spiders and arachnids (n=42), while many also learned more effective teaching skills (n=11), such as *“How to teach science to younger audiences”* and *“To have more patience.”* Other new knowledge gained by the volunteers as a result of their involvement with the events include the biological classifications (n=9) and more about spiders’ webs and silk (n=3). The complete open-end responses can be found in Appendix E.

The adult attendees who completed the surveys believe that it is very important that events like Eight-Legged Encounters be made available to the public, for multiple reasons. When asked to describe these reasons in an open-ended question, overwhelmingly the adults cited the general educational benefits (n=100), while many said that gaining knowledge about science and nature was the key takeaway for them and their children (n=46), such as one who said *“Respect small creatures more.”* The hands-on, interactive nature of the events was important for many of the adults (n=26), as was the availability of such knowledge to the wider community and different age groups (n=14): *“Education available to the public increases social knowledge.”*

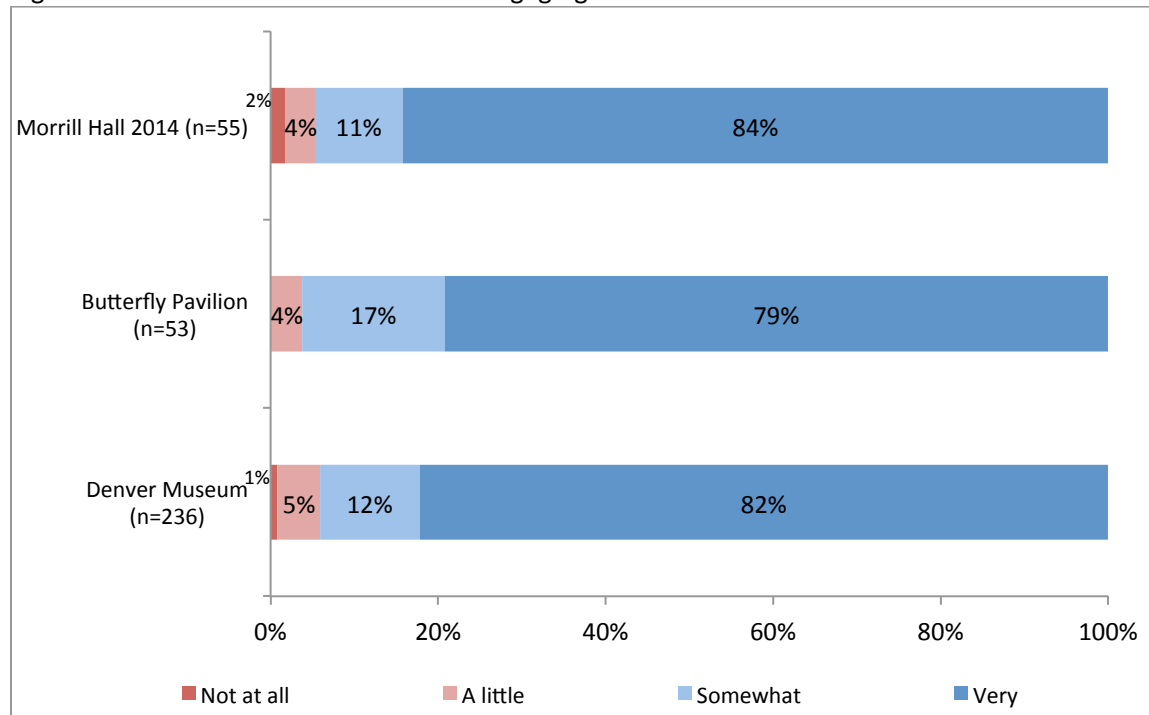
The adults who attended were also asked to rate the effectiveness of both the artwork and the volunteers in engaging them with the exhibits. As shown in Figure 6, the majority of the Butterfly Pavilion, Denver Museum, and Morrill Hall 2014 attendees found the artwork to be effective, with less than one-fifth saying that it was only a little effective, and only 1% (Denver Museum) reporting that it was not at all effective. Out of the three events Denver Museum had the most effective artwork (72% very effective), and Morrill Hall 2014 the least (56% very effective).

Figure 6. Effectiveness of Artwork in Engaging Adults with Exhibit



The event attendees were also asked about the effectiveness of the volunteers in engaging them with the exhibit. As shown in Figure 7, the volunteers were overall more effective in engaging the audience with the exhibit than the artwork, with more than nine out of ten attendees of each even saying that they were either somewhat or very effective. Overall the Morrill Hall 2014 volunteers were the most effective (85% very effective) and the Butterfly Pavilion volunteers the least (79% very effective), although still highly effective.

Figure 7. Effectiveness of Volunteers in Engaging with Adults with Exhibit



When asked through an open-ended question how the volunteers could be more effective in engaging them with the exhibits, consistent with the findings in Figure 7, the feedback was overwhelmingly positive praise with no suggestions for improvement (n=115). Responses to the question included “I thought they all did a great job!” and “They were great – very interesting & word appropriate for children (and grown ups who don’t know much).” Of the suggestions that were made, few overlapped, with one person each suggesting more hand-outs, letting the attendees hold the insects, and a less crowded atmosphere.

The volunteers were asked additional questions in order to find out more about their experience and improve the events overall. When asked if it is easier or harder than they thought before to explain science to a general audience after the events, the majority from both events said that it was either easier (39% Morrill Hall 2014, 49% Denver Museum) or the same (48% Morrill Hall 2014, 44% Denver Museum). Less than fifteen percent of volunteers from either event reported that it was harder than they thought before the event. Most of the volunteers felt that they received sufficient information in order to effectively volunteer (96% Morrill Hall 2014, 97% Denver Museum), although having more time (n=4), more information on spiders (n=3), and more information on how to interact with the audience

(n=2) would have been helpful for some of them. **Overall the volunteers rated their overall experience highly, with 58% of the Morrill Hall 2014 and 59% of the Denver Museum volunteers giving it the highest rating of the best.** Asked in an open-ended question, interacting with the children was the volunteers' favorite part of the experience (n=48), with answers such as *"Seeing kids faces looking through the microscopes," "Watching the kids get excited about learning,"* and *"Little kids reactions."* Eight of the volunteers also listed their own learning experience as what they liked the most about the event. The volunteers were pleasantly surprised by both the amount of visitors that came to the events (n=37) and the enthusiasm of the attendees (n=13), which they gave as responses to the open-ended question of what surprised them the most about the event. Few suggestions for improvement were made by the event volunteers, with more saying that none were necessary than giving suggestions (n=22). Improvements that could be made include better preparations (n=12) including *"More relevant background information"* and *"More time to prep station,"* while other suggestions were to provide food or water bottles (n=5), and have the event be more organized (n=3).

## Conclusion

Overall the data from adults, children, and volunteers from the Eight-Legged Encounters events at Morrill Hall, Bugfest, the Butterfly Pavilion, and the Denver Museum were overwhelmingly positive. The Build a Burrow activity was highly rated by both the adults and the children who attended the events, while the adults also rated the Community experiment and Shining for Spiders highly and children gave the Create a Chelicerate and Path of Predators events high ratings. The adults who attended the events found themselves more likely to take part in future activities such as attending an event similar to Eight-Legged Encounters, consider a future job in science, read about arachnids, and set up an experiment in their home. The children who completed the surveys want to complete future activities such as learning more about science in the future, learning more about spiders, doing their own research at home, and having a job in science when they grow up. The volunteers of the events found their interest in volunteering at another outreach event increased due to their involvement with the Eight-Legged Encounters events, as well as their interest in conveying science to the general public. Both the adults and the volunteers reported learning new material as a result of their event attendance, and overall the volunteers rated their experience highly.

# Appendices

## Appendix A: Adult Exit Survey Instrument

Morrill Hall 2013

**Eight-Legged Encounters Experience Survey**  
We would like to learn about your experiences at this event today. All of your responses are anonymous.

**1. How interesting did you (and your family) find the following stations:**

	Very Interesting	Interesting	Somewhat Interesting	Not Interesting	Does Not Apply/Did Not Visit
a. Myth Busters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Path of Predators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Assemble an Arachnid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Create a Chelicerate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Tissue Paper Flower & Crab Spider	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Weave a Web	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. Microscope Madness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. Shining for Spiders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. Foraging Experiment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**2. How did you learn about the event?**

- Newspaper
- Radio
- School
- Museum Website
- Friends of the Museum
- Facebook
- UNL email
- TV
- Attended other *Sunday with a Scientist*
- Other:
- Did not know it was going on

**3. In what city and state do you live?**

**4. How interested are you (and your family) in learning more about science after this event?**

- Very Interested
- Interested
- Somewhat Interested
- Not at all Interested

**5. (My family) and I learned a lot about science at this event.**

- Strongly Agree
- Agree
- Disagree
- Strongly Disagree

**6. Please list suggestions for additional topics that may be of interest to you.**

**7. What did you like about this event?**

**Thank you for your time!**

### Eight-Legged Encounters Experience Questionnaire

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts.

1. How interesting did you find the following stations/materials?	Very Interesting	Somewhat Interesting	A Little Interesting	Not Interesting	Did Not Visit
1. Create a chelicerate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Build a burrow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Sticky vs. wooly silk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Weave a web	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Microscope madness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Path of predators activity booklet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Community Experiment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. After participating in this event....	Much less likely	Less Likely	The same	More likely	Much more likely
a. how much more or less likely are you to set up your own experiment at home?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. how much more or less likely are you to kill a spider in your house?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. how much more or less likely are you to attend another similar event?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. how much more or less likely are you to take the time to observe a spider, or other arachnid?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. how much more or less likely are you to say that you understand what the scientific process is?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. how much more or less likely are you to read about arachnids?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. After participating in this event, did this make you more or less likely to consider a future job in science?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely
- Not applicable

4. After participating in this event, how much more or less interested are you in learning about scientific discoveries?

- Much less interested
- A little less interested
- The same
- A little more interested
- Much more interested

5. What surprised you about this event?

6. Did you learn anything new?

- No
- Yes

6a. If so, please describe:

7. What was most meaningful to you from today's exhibit?

8. How effective was the artwork in engaging you with the exhibit?

- Not at all effective
- A little effective
- Somewhat effective
- Very effective

9. How effective were the volunteers in engaging you with the exhibit?

- Not at all effective
- A little effective
- Somewhat effective
- Very effective

10. How could the volunteers be more effective in engaging you with the exhibit?

11. What did you like best about this event?

12. Do you think it is important for these kinds of activities to be available to the public?

- No
- Yes

→ 12a. If so, why?

13. What is your gender?

- Male
- Female

14. What is your current age?

- Less than 25
- 25-34
- 35-44
- 45-54
- 55-64
- 65 or older

15. How did you learn about this event?

- Newspaper
- Radio
- School
- Museum Website
- Friends of the Museum
- Facebook
- UNL email
- TV
- Attended other Sunday with a Scientist
- Other:

- Did not know it was going on

16. What is the zipcode for where you live?

17. Please list suggestions for additional topics that may be of interest to you:

18. Please use the space below to provide any additional comments or feedback:



## Bugfest

### Eight-legged Encounters: Community Experiment

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts.

After participating in this activity....	Much less likely	Less likely	The same	More likely	Much more likely
1. <u>how</u> much more or less likely are you to set up your own experiment at home?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. <u>how</u> much more or less likely are you to kill a spider in your house?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. <u>how</u> much more or less likely are you to attend another similar event?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. <u>how</u> much more or less likely are you to attend another similar event?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. <u>how</u> much more or less likely are you to say that you understand what the scientific process is?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. After participating in this activity, how likely is it that you will follow-up on what you've learned here at home by doing some research of your own?

- Not at all likely
- A little likely
- Somewhat likely
- Very likely

7. What surprised you about this activity?

8. Did you learn anything new? If so, please briefly describe:

9. Do you think it is important for these kinds of activities to be available to the public? If so, why?

10. If you had a child with you, what, if anything, do you think was meaningful to that child in participating in this activity?

11. What is your gender?

- Male
- Female

12. What is your current age?

- Less than 25
- 25-34
- 44-54
- 55-64
- 65 or older

## Butterfly Pavilion

### Eight-Legged Encounters

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts.

How interesting did you (and your family) find the following stations?      Very Interesting      Somewhat Interesting      A Little Interesting      Not Interesting      Did Not Visit

1. Create a <u>chelicerate</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Tissue paper flower	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Assemble an arachnid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Weave a web	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Microscope madness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Path of predators booklet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. After participating in this activity, how much more or less likely are you to kill a spider in your house?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely

8. After participating in this activity, how much more or less likely are you to take the time to observe a spider, or other arachnid?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely

9. After participating in this activity, how much more or less likely are you to read about arachnids?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely

10. After participating in this event, if you are a student, did this make you more or less likely to consider a future job in science?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely
- Not Applicable

11. How much more or less interested are you in learning about scientific discoveries?

- Much less interested
- A little less interested
- The same
- A little more interested
- Much more interested

12. How effective was the artwork in engaging you with the exhibit?

- Not at all effective
- A little effective
- Somewhat effective
- Very effective

13. How effective were the volunteers in engaging you with the exhibit?

- Not at all effective
- A little effective
- Somewhat effective
- Very effective

**How could the volunteers be more effective in engaging you with the exhibit?**

**Did you learn anything new? If so, please briefly describe.**

**Do you think it is important for these kinds of activities to be available to the public? If so, why?**

**Please use the space below to provide any additional comments or feedback:**

**Thank you!**

**Eight-Legged Encounters**

**(Denver Museum of Science and Nature)**

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts.

How interesting did you (and your family) find the following stations?      Very Interesting      Somewhat Interesting      A Little Interesting      Not Interesting      Did Not Visit

1. Create a <u>chelicerae</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Tissue paper flower	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Assemble an arachnid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Path of predators booklet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. After participating in this activity, how much more or less likely are you to kill a spider in your house?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely

6. After participating in this activity, how much more or less likely are you to take the time to observe a spider, or other arachnid?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely

7. After participating in this activity, how much more or less likely are you to read about arachnids?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely

8. After participating in this event, if you are a student, did this make you more or less likely to consider a future job in science?

- Much less likely
- A little less likely
- The same
- A little more likely
- Much more likely
- Not Applicable

9. How much more or less interested are you in learning about scientific discoveries?

- Much less interested
- A little less interested
- The same
- A little more interested
- Much more interested

10. How effective was the artwork in engaging you with the exhibit?

- Not at all effective
- A little effective
- Somewhat effective
- Very effective

11. How effective were the volunteers in engaging you with the exhibit?

- Not at all effective
- A little effective
- Somewhat effective
- Very effective

12. How could the volunteers be more effective in engaging you with the exhibit?

13. Did you learn anything new?

- Yes
- No

13a. If so, please briefly describe.

14. Do you think it is important for these kinds of activities to be available to the public?

- Yes
- No

14a. If so, why?

15. What is your gender?

- Male
- Female

16. What is your current age?

- Less than 25
- 25-34
- 35-44
- 45-54
- 55-64
- 65 or older

17. What races or races do you consider yourself to be (select all that apply)?

- White (Caucasian)
- Black or African American
- Asian
- American Indian or Alaska Native
- Native Hawaiian or other Pacific Islander
- Other, specify

18. Please use the space below to provide any additional comments or feedback:

Thank you!

## Appendix B: Child Exit Survey Instrument

### Morrill Hall 2014

Assent: We want to know what you think about the event today. We will ask you a few questions, but you do not have to answer any questions that you do not want to. It should take about 5 minutes and you can ask us any questions about this study. We will ask your parents for their permission and we will keep all of your answers private. It is okay to start?

How much did you like the...	A lot	A little	Not much or not at all	Did Not Visit
1. Create a chelicerate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Build a burrow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Sticky vs. wooly silk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Weave a web	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Microscope madness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Path of predators activity booklet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Community Experiment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you want to learn more about spiders?

- Yes  
 No

Do you want to learn more about science?

- Yes  
 No

Do you want to do your own research at home?

- Yes  
 No

When you grow up, do you want a job in science?

- Yes  
 No

How old are you?

(INTERVIEWER MAKE NOTE OF THIS) What is your gender?

- Male  
 Female

**Eight-Legged Encounters Child Survey  
(Denver Museum of Science and Nature)**

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts.

How much did you like the...	A lot	A little	Not much or not at all	Not Interesting
1. Create a <u>chelicerate</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Tissue paper flower	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Assemble an arachnid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Path of predators booklet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Do you want to learn more about spiders?

- Yes
- No

6. Do you want to learn more about science?

- Yes
- No

7. When you grow up, do you want a job in science?

- Yes
- No

8. How old are you?

9. (INTERVIEWER MAKE NOTE OF THIS) What is your gender?

- Male
- Female

Any other comments

# Appendix B: Volunteer Survey Instrument

Morrill Hall 2014

## Eight-Legged Encounters Volunteer Experience Questionnaire

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts. Feel free to use the back of the survey for any additional comments or suggestions.

**1. After participating in this event...**

Much less likely    Less Likely    The same    More likely    Much more likely

a. <u>how</u> much more or less likely are you to volunteer at another outreach event?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. <u>how</u> much more or less likely are you to go into a science career?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. <u>how</u> much more or less likely are you to go into an education career?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**2. After this event, how much more or less interested are you in conveying science to the general public?**

- Much less interested
- A little less interested
- The same
- A little more interested
- Much more interested

**3. After this event, do you think it is easier or harder than you thought before to convey science to a general audience?**

- Easier
- The same
- Harder

**4. In what ways could you experience with this event be improved?**

**5. What was your favorite part of the experience?**

**6. Did you learn anything at this event?**

- No
- Yes

→ What did you learn?

**7. What surprised you about this event?**

**8. Rate your overall experience volunteering at this event?**

- 1 (the worst)
- 2
- 3
- 4
- 5 (the best)

**9. What station did you work at?**

**10. Were you provided with sufficient information to volunteer at this station?**

- Yes
- No

→ What additional information would have been helpful?

**11. What is your gender?**

- Male
- Female

**12. What is your current age?**

- Less than 25
- 25-34
- 35-44
- 45-54
- 55-64
- 65 or older



**Eight-Legged Encounters (Denver Museum of Science and Nature)  
Volunteer Experience Questionnaire**

We would like to learn more about your experiences at this event today. Please take some time to let us know your thoughts. Feel free to use the back of the survey for any additional comments or suggestions.

1. After participating in this event....	Much less likely	Less Likely	The same	More likely	Much more likely
a. <u>how</u> much more or less likely are you to volunteer at another outreach event?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. <u>how</u> much more or less likely are you to go into a science career?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. <u>how</u> much more or less likely are you to go into an education career?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. After this event, how much more or less interested are you in conveying science to the general public?

Much less interested

A little less interested

The same

A little more interested

Much more interested

3. After this event, do you think it is easier or harder than you thought before to convey science to a general audience?

Easier

The same

Harder

4. In what ways could you experience with this event be improved?

5. What was your favorite part of the experience?

6. Did you learn anything at this event?

No

Yes → What did you learn?

7. What surprised you about this event?

8. Rate your overall experience volunteering at this event?

1 (the worst)

2

3

4

5 (the best)

9. What station did you work at?

10. Were you provided with sufficient information to volunteer at this station?

Yes

No → What additional information would have been helpful?

11. What is your gender?

Male

Female

12. What is your current age?

Less than 25

25-34

35-44

45-54

55-64

65 or older

13. What races or races do you consider yourself to be (select all that apply)?

White (Caucasian)

Black or African American

Asian

American Indian or Alaska Native

Native Hawaiian or other Pacific Islander

Other, specify

## Appendix C: Adult Exit Survey Frequencies

Morrill Hall 2013

**How interesting did you find: Myth Busters**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Somewhat Interesting	5	5.0	6.9	6.9
	Interesting	24	23.8	33.3	40.3
	Very Interesting	43	42.6	59.7	100.0
	Total	72	71.3	100.0	
Missing	System	29	28.7		
Total		101	100.0		

**How interesting did you find: Path of Predators**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.0	1.2	1.2
	Somewhat Interesting	4	4.0	4.9	6.2
	Interesting	28	27.7	34.6	40.7
	Very Interesting	48	47.5	59.3	100.0
	Total	81	80.2	100.0	
Missing	System	20	19.8		
Total		101	100.0		

**How interesting did you find: Assemble an Arachnid**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.0	1.3	1.3
	Somewhat Interesting	11	10.9	14.3	15.6
	Interesting	25	24.8	32.5	48.1
	Very Interesting	40	39.6	51.9	100.0
	Total	77	76.2	100.0	
Missing	System	24	23.8		
Total		101	100.0		

**How interesting did you find: Create a Chelicerate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	2	2.0	2.8	2.8
	Somewhat Interesting	8	7.9	11.3	14.1
	Interesting	30	29.7	42.3	56.3
	Very Interesting	31	30.7	43.7	100.0
	Total	71	70.3	100.0	
Missing	System	30	29.7		
Total		101	100.0		

**How interesting did you find: Tissue Paper Flower & Crab Spider**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	4	4.0	5.3	5.3
	Somewhat Interesting	12	11.9	16.0	21.3
	Interesting	21	20.8	28.0	49.3
	Very Interesting	38	37.6	50.7	100.0
	Total	75	74.3	100.0	
Missing	System	26	25.7		
Total		101	100.0		

**How interesting did you find: Weave a Web**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.0	1.4	1.4
	Somewhat Interesting	12	11.9	17.1	18.6
	Interesting	20	19.8	28.6	47.1
	Very Interesting	37	36.6	52.9	100.0
	Total	70	69.3	100.0	
Missing	System	31	30.7		
Total		101	100.0		

**How interesting did you find: Microscope Madness**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.0	1.1	1.1
	Somewhat Interesting	2	2.0	2.2	3.4
	Interesting	27	26.7	30.3	33.7
	Very Interesting	59	58.4	66.3	100.0
	Total	89	88.1	100.0	
Missing	System	12	11.9		
Total		101	100.0		

**How interesting did you find: Shining for Spiders**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.0	1.1	1.1
	Somewhat Interesting	2	2.0	2.2	3.3
	Interesting	14	13.9	15.2	18.5
	Very Interesting	75	74.3	81.5	100.0
	Total	92	91.1	100.0	
Missing	System	9	8.9		
Total		101	100.0		

**How interesting did you find: Foraging Experiment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	3	3.0	3.9	3.9
	Somewhat Interesting	2	2.0	2.6	6.5
	Interesting	16	15.8	20.8	27.3
	Very Interesting	56	55.4	72.7	100.0
	Total	77	76.2	100.0	
Missing	System	24	23.8		
Total		101	100.0		

**How did you learn about the event?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Newspaper	8	7.9	9.6	9.6
	Radio	12	11.9	14.5	24.1
	Museum website	16	15.8	19.3	43.4
	Friends of the Museum	6	5.9	7.2	50.6
	Facebook	4	4.0	4.8	55.4
	UNL email	8	7.9	9.6	65.1
	TV	2	2.0	2.4	67.5
	Attended other Sunday with a Scientist	4	4.0	4.8	72.3
	Other	14	13.9	16.9	89.2
	11	9	8.9	10.8	100.0
	Did not know it was going on	83	82.2	100.0	
Missing	System	18	17.8		
Total		101	100.0		

**Other, specify:**

Attended Paleontologist event
Daughter is UNL stud.
Eileen Hebets
email
Emily Seifferlein
family
Family
Family invite
From Dad
I work @ the museum
museum flyer
My cousin
My GF worked there
News Paper for kids
Sister
Son & Grandson
UNL News
Website
When I came in
Yelp

What city and state do you live in?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Beatrice, NE	2	2.0	2.0	2.0
	Bellevue, NE	2	2.0	2.0	4.0
	Bennet, NE	1	1.0	1.0	5.0
	Columbus, NE	1	1.0	1.0	5.9
	Cortland, NE	1	1.0	1.0	6.9
	Douglas, NE	2	2.0	2.0	8.9
	Hastings, NE	1	1.0	1.0	9.9
	Iowa	1	1.0	1.0	10.9
	Kearney	1	1.0	1.0	11.9
	Lin NE	1	1.0	1.0	12.9
	Lincoln	9	8.9	8.9	21.8
	Lincoln 68521	1	1.0	1.0	22.8
	Lincoln NE	2	2.0	2.0	24.8
	Lincoln, NE	57	56.4	56.4	81.2
	Lincoln, Nebraska	1	1.0	1.0	82.2
	Lincoln; Granddaughters came from Omaha	1	1.0	1.0	83.2
	Martell, NE	1	1.0	1.0	84.2
	Milford, NE	1	1.0	1.0	85.1
	NE	1	1.0	1.0	86.1
	Nebraska, Lincoln	1	1.0	1.0	87.1
	Omaha	1	1.0	1.0	88.1
	Omaha, NE	8	7.9	7.9	96.0
	San Diego, CA	1	1.0	1.0	97.0
	Seward, NE	1	1.0	1.0	98.0
	Thorton, Colorado	1	1.0	1.0	99.0
	Waverly, NE	1	1.0	1.0	100.0
	Total	101	100.0	100.0	

**How interested are you (and your family) in learning more about science after this event?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Somewhat Interested	4	4.0	4.0	4.0
	Interested	31	30.7	30.7	34.7
	Very Interested	66	65.3	65.3	100.0
	Total	101	100.0	100.0	

**(My family) and I learned a lot about science at this event**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Disagree	2	2.0	2.0	2.0
	Agree	61	60.4	62.2	64.3
	Strongly Agree	35	34.7	35.7	100.0
	Total	98	97.0	100.0	
Missing	System	3	3.0		
	Total	101	100.0		

**Please list additional topics that may be of interest to you.**

Alternative fuel vehicles
At higher level for older children
Bed Bugs
Beetles, Nebraska wildlife
Climate Change
Coral reefs, fish, reptiles, space
Creature Food webs & food chains
Early origins of life.
Flowers
great job.
Great!
Interesting plants?
It was really packed so we did not visit all stations
local edible plants
Minerals
More about local bugs
More space-spread out
Morels & Fungi (March/April) Moths ( June) Madagascar Prosimians
My daughter days "who is Santa's mom & dad?"

N/A.
Needed to be more organized
Nora says... Elephants, dinosaur, princesses, & fairies
Paleontology, cultural anthropology
Physics, Archeology, Astronomy, Chemistry
Prehistoric sea monsters
Reptiles and amphybians
Reptiles, Ambphibians
Science of toxins
Scorpions
Sea animals
Similar exhibit but with vetebrates.
Snakes, reptiles, archaeology-anything
Space
Space travel
Space/Ocean life/dinos
Spread the stations out more
tell what is in sack when it is given to persons
The experiment was hard w/ kids who don't read! More volunteers would have been better. I had to tend to my baby so it was hard.
Weather, flowers, more rocks

**What did you like about this event?**

1) Microscope 2) Pseudo scorpion, Disco	1
A lot of hands on	1
All	1
All of the information	1
All the crafts!	1
All the events	1
assemble an arachnid	1
Children friendly learning	1
Community	1
Dance party!	1
Diversity of activities	1
Everything	2
Everything Thanks	1
Everything-the interaction mostly	1
Everything!	1



Everything! Such fun for kids of all ages. I'm 60+ & didn't know there were 350,000 kinds of beetles-wow! I can still learn & this was entertaining was well as educational! Nice job all around! I needed the magnifying help. Thanks.	1
Extraordinarily well done!	1
family event	1
Fun for all ages! Lots of events, lots of live cirtters	1
Fun for kids.	1
Getting spider stamps!	1
Getting up close & personal with scary spiders!	1
Good interaction for attendees.	1
great exhibits	1
had different events for all ages	1
Hands on, good opps for gross body movement, easy enough for 5 yr old!	1
hands-on activities.	1
I didn't realize there were so many 8 (eight) legged	1
I liked the microscopes.	1
I love how it drew so many families, and it ws informative in an accessable way.	1
Interaction between the presenters/workers and the children	1
Interactive	1
Interactive got to hold a tarantula! Love the dancing spider room & black light	1
Interactive w/ kids	1
Interactive. I smell like vinegar! Spider. Cantelope.	1
It captivated my 4 yr, 6, 9, 10, and 13 year olds imagination.	1
It was all great! Love it here	1
it was very kid friendly & informative. Loved learning about all the speicies.	1
Just about everything.	1
Kids/family focus	1
Learning about the different spiders & arachnids	1
Level of interest for 5-6 yr. olds.	1
Live animals	1
Live exhibits, giant tarantula, hands on	1
Live spiders and other things	1
Live spiders.	1
Lots of education, interesting	1
Lots of great info-directions @ stations were clear.	1
Lots of hands on things for kids	1
Loved the hands on experience!	1
Making crafts	1
many hands-on activities.	1

Microscopes! (Looking at their faces) Glowing scorpions	1
More about local bugs	1
More comfort w/ spiders. Fun, Friends. Hard to know name of activites describe to help.	1
N/A	1
range of exposure to different animals	1
Really like the hands-on displays. Thanks!	1
Science presented at each station. that UNL students are heavily involved. Hands on. Shining for spiders was fun.	1
Seeing live spiders	1
Seeing the live spiders	1
Shining for spiders!	1
Son loves spiders. He wouldn't miss it	1
Spiders	1
Spread out events for more space--but alls worked good for this. Good to keep to one or two floors & make it clean.	1
the bugs	1
The diversity of booths	1
The easy access & the assistance offered.	1
The hands on activities that actually taught the scientific process--the foraging experiment downstairs was fantastic! And all the volunteers were so enthusiastic. Well done!	1
the hands on activities were great	1
The hands on stuff. And informative presenters.	1
The kids enjoyed it very much.	1
The number of displays, and the information presented	1
The setting.	1
The spiders were cool & so many other types of Arachnids.	1
The staff is awesome. So friendly-so interesting.	1
The wonderful ceatures and the interesting information	1
This is very knowledgeable	1
Thorough display of insects & their habitat	1
Trading cards, stamps, temp tattoos, interaction w/ scientists	1
Trading Cards!	1
Very good, hope to have longer visit.	1
Very hands on-welcoming-takes fear out of insects/arachnids.	1
Very informative, very helpful with science fair project	1
Very interactive even for older kids	1
Very interesting and fun!	1
Very kid friendly	1
Very nice	1

Morrill Hall 2014

**Create a chelicerate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little interesting	1	1.5	2.2	2.2
	Somewhat interesting	9	13.4	19.6	21.7
	Very interesting	36	53.7	78.3	100.0
	Total	46	68.7	100.0	
Missing	System	21	31.3		
Total		67	100.0		

**Build a burrow**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little interesting	2	3.0	5.6	5.6
	Somewhat interesting	4	6.0	11.1	16.7
	Very interesting	30	44.8	83.3	100.0
	Total	36	53.7	100.0	
Missing	System	31	46.3		
Total		67	100.0		

**Sticky vs. wooly silk**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little interesting	2	3.0	4.3	4.3
	Somewhat interesting	11	16.4	23.9	28.3
	Very interesting	33	49.3	71.7	100.0
	Total	46	68.7	100.0	
Missing	System	21	31.3		
Total		67	100.0		

**Weave a web**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little interesting	7	10.4	15.6	15.6
	Somewhat interesting	9	13.4	20.0	35.6
	Very interesting	29	43.3	64.4	100.0
	Total	45	67.2	100.0	
Missing	System	22	32.8		
Total		67	100.0		

**Microscope madness**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little interesting	2	3.0	3.7	3.7
	Somewhat interesting	10	14.9	18.5	22.2
	Very interesting	42	62.7	77.8	100.0
	Total	54	80.6	100.0	
Missing	System	13	19.4		
Total		67	100.0		

**Path of predators activity booklet**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not interesting	2	3.0	4.0	4.0
	Somewhat interesting	12	17.9	24.0	28.0
	Very interesting	36	53.7	72.0	100.0
	Total	50	74.6	100.0	
Missing	System	17	25.4		
Total		67	100.0		

**Community experiment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little interesting	1	1.5	2.0	2.0
	Somewhat interesting	8	11.9	16.3	18.4
	Very interesting	40	59.7	81.6	100.0
	Total	49	73.1	100.0	
Missing	System	18	26.9		
Total		67	100.0		

**Set up own experiment at home**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	9	13.4	13.6	13.6
	Less likely	2	3.0	3.0	16.7
	The same	22	32.8	33.3	50.0
	More likely	28	41.8	42.4	92.4
	Much more likely	5	7.5	7.6	100.0
	Total	66	98.5	100.0	
Missing	System	1	1.5		
Total		67	100.0		

**Kill a spider in your house**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	13	19.4	20.0	20.0
	Less likely	25	37.3	38.5	58.5
	The same	22	32.8	33.8	92.3
	More likely	2	3.0	3.1	95.4
	Much more likely	3	4.5	4.6	100.0
	Total	65	97.0	100.0	
Missing	System	2	3.0		
Total		67	100.0		

**Attend another similar event**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	5	7.5	7.7	7.7
	Less likely	1	1.5	1.5	9.2
	The same	7	10.4	10.8	20.0
	More likely	28	41.8	43.1	63.1
	Much more likely	24	35.8	36.9	100.0
	Total	65	97.0	100.0	
Missing	System	2	3.0		
Total		67	100.0		

**Take the time to observe a spider, or another arachnid**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	6	9.0	9.2	9.2
	Less likely	1	1.5	1.5	10.8
	The same	10	14.9	15.4	26.2
	More likely	29	43.3	44.6	70.8
	Much more likely	19	28.4	29.2	100.0
	Total	65	97.0	100.0	
Missing	System	2	3.0		
Total		67	100.0		

**Say you understand what the scientific process is**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	4	6.0	6.2	6.2
	Less likely	1	1.5	1.5	7.7
	The same	22	32.8	33.8	41.5
	More likely	28	41.8	43.1	84.6
	Much more likely	10	14.9	15.4	100.0
	Total	65	97.0	100.0	
Missing	System	2	3.0		
Total		67	100.0		

**Read about arachnids**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	5	7.5	7.7	7.7
	The same	21	31.3	32.3	40.0
	More likely	31	46.3	47.7	87.7
	Much more likely	8	11.9	12.3	100.0
	Total	65	97.0	100.0	
Missing	System	2	3.0		
Total		67	100.0		

**Consider a future job in science**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	1	1.5	1.6	1.6
	The same	31	46.3	48.4	50.0
	More likely	8	11.9	12.5	62.5
	Much more likely	6	9.0	9.4	71.9
	Not applicable	18	26.9	28.1	100.0
	Total	64	95.5	100.0	
Missing	System	3	4.5		
Total		67	100.0		

**Learning about scientific discoveries**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less interested	1	1.5	1.6	1.6
	A little less interested	1	1.5	1.6	3.1
	The same	19	28.4	29.7	32.8
	A little more interested	24	35.8	37.5	70.3
	Much more interested	19	28.4	29.7	100.0
	Total	64	95.5	100.0	
Missing	System	3	4.5		
Total		67	100.0		

**What surprised you about this event?**

# OF PARTICIPANTS AND VOLUNTEERS
2 TYPES OF SILK NUMBER OF SUBGROUPS
2 TYPES OF SILK, NUMBER OF SUBGROUPS
ACTUAL INTERACTION WITH SPIDERS AND GOOD FOR ALL
ALL THE HANDS ON + LIVE SPECIMENS
ALL THE HANDS ON EXPERIENCES FOR THE CHILDREN :)
ALL THE HANDS ON THINGS WAS VERY GOOD
ALL THE LIVE SPIDERS + HOW KID FRIENDLY IT WAS
APPRECIATE THE STAFF'S EXCITEMENT WORKING WITH T
CATCHING YOUR OWN SPIDER
CHILDREN EVEN MORE ENGAGED THAN USUAL.
COMMUNITY INVOLVEMENT SEEMED VERY HIGH WELL DONE
EVERYTHING
GETTING TO FEED SPIDERS
GREAT INFORMATION FOR KIDS
GREAT WORKERS AT ALL STATION, GOOD STATIONS
HOW MANY STATIONS
HOW MUCH STUFF THERE IS + HOW MANY PEOPLE WERE H
HOW MY 15 YR OLD REALLY WAS INTERESTED IN ALL OF
HOW WELL IT WAS PUT TOGETHER
HUGE COLLECTION OF FOSSILS, ESP MAMMOTHS
I ACTUALLY DIDN'T KNOW IT WAS GOING ON. I LOVED
I HAD NO IDEA SO MUCH OF THIS MUSEUM WAS FOUND I
IT WAS VERY INFORMATIVE
IT WAS VERY INTERSTING HELPED EDUCATE OUR CHILDR

LEARNING HOW TO IDENTIFY THE DIFFERENT SPIDERS
LIGHT REFLECTING EYES ON SPIDERS
LIVE BUGS
LOTS OF INTERESTING STUFF ABOUT SPIDERS
N/A
NUMBERS OF SPECIES
SO FRIENDLY
SO MANY EXHIBITS
SPIDERS/INSECTS ARE NOT AS POISONOUS AS I THOUGH
THAT I COULD TOUCH SPIDERS & OTHER INSECTS
THAT IT WAS HERE
THAT MOST SPIDERS ARE BLIND
THAT THERE ARE TRANTULAS IN NEBR.
THE AMOUNT OF ACTIVITIES LOVED IT!
THE AMOUNT OF EXIBITS
THE COMMUNITY EXPERIMENT WAS GREAT
THE FLOW WAS BETTER THAN SIMILAR EVENTS WE HAVE
THE NUMBER OF ACTIVITIES
THE ORGANIZATION
THE ORGANIZERS DID A FANTASTIC JOB! THIS WAS BY
THERE WERE A LOT OF PEOPLE WHO ATTENDED
VERY COMPLETE
WELL ORGANIZED HANDS ON ACTIVITIES

**Learned new**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	3	4.5	5.9	5.9
	Yes	48	71.6	94.1	100.0
	Total	51	76.1	100.0	
Missing	System	16	23.9		
Total		67	100.0		

**Learned new: describe**

2 TYPES OF SILK
A GREAT DEAL MOE ABOUT ALL THINGS SPIDERS
ABOUT HOW CERTAIN INSECTS EAT
ASK MY KIDS
ATIFICIAL WEBS - WOW



BLIND ARACHNIDS
BURROW STATION VERY INTERESTING
CAN MAKE SPIDER WEB
DADDY LONG LEGS ARE NOT AGRESSIVE
DADDY LONG LEGS ARE NOT VENOMOUS
DADDY LONG LEGS HAVE NO POISON
DIFF TYPES OF WEB TYPES OF SPIDERS.
DIFFERENT GROUPS OF ARACHNIDS
EX. HARVESTER SPIDERS ARE NOT REALLY SPIDERS
HOW SMALL SOME SCORPIONS ARE
HOW TO IDENTIFY SEVERAL SPIDERS
HOW WE PRODUCE SPIDER SILK (USING GOAT MILK
I HAVE A GREATLY ENHANCED APPRECIATION OF AR
LEARNED MORE ABOUT NE SPIDERS AND TICKS.
LEARNED MORE ABOUT SPIDERS TODAY THEN I KNEW
LOTS OF UNIQUE BEHAVIOR OF THE ANIMALS! STUD
MANY
MORE ABOUT DIFFERENT SPIDERS LIKE REFLECTIVE
N/A
NEW SPECIES
PSUDO SCORPIONS
SCORPIONS CAN GLOW
SOME CENTIPEDES WERE POISUNOUS-VENOMOUES
SON ENJOYED LOOKING FOR SPIDER EYES IN THE D
SPIDER BURROWS
SPIDER SILK FACTS
SPIDERS EAT CRICKETS FIRST B/C THEY CAN SEE
THAT MOST SPIDERS DON'T SEE WELL.
THAT NEBR. HAS THE LARGEST ELEPHANT FOSSIL C
THE THELYPHONIDA IS AN ORGANISM I HAD NOT PR
THERE ARE SCORPIONS IN NEBRASKA
THIS WAS AMAZING BEST SUNDAY YET!
TOO MANY THINGS- BUT FOR EX. DADDY LONGLEGS

**Found most meaningful**

CHANCE OF DOING EXPERIENCE
DOING THE HANDS ON EVENTS
EDUCATION ABOUT ALL LIFE IS SO IMPORTANT!
FAMILY TIME

FAMILY TIME IN A PRODUCTIVE EDUCATIONAL MANNER
GETTING KIDS EXCITED ABOUT ARACHNIDS
GETTING MY CHILDREN EXCITED ABOUT THINGS THEY WOULD
GREAT INFO
HANDS ON EVENTS
HOLDING DIFFERENT ARACHNIDS
KATYDID
LOVED SEEING A REAL PINKY TOED TARANTULA!
LOVED THE HUGE SNAKE
MAMOTHS & TITAN BOA
MY DAUGHTER ACTUALLY TOUCHED A TARANTULA + TO SEE I
MY DAUGHTER ENJOYED IT!
MY KIDS ENJOYED IT.
MY KIDS HAVING FUN
N/A
PATHUAL FOR KIDS
SEE ANSWER #6.
SHOW IN PLANETARIUM
SILK USES
SPIDERS IN THE DARK W/GLOWING EYES + BLACK LITE SCO
TEACHING THE PUBLIC MORE ABOUT SPIDERS
THE EXPERIMENT
THE KIDS ARE INTERESTED IN THE SCIENTIFIC PROCESS
THE LIVE SPIDERS
THE NATIVE AMERICAN DISPLAY
TIME WITH FAMILY
TITANABOA
TOUCHING SPIDER
VIBRATION AND WEB STATION AND MY DAUGHTERS REACTION
WATCHING MY CHILDREN INTERACT.
WATCHING MY KIDS LIGHT UP...
WEB BUILDING

**How effective artwork in engaging with exhibit**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little effective	9	13.4	16.4	16.4
	Somewhat effective	15	22.4	27.3	43.6
	Very effective	31	46.3	56.4	100.0
	Total	55	82.1	100.0	
Missing	System	12	17.9		
Total		67	100.0		

**How effective volunteers in engaging with exhibit**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not at all effective	1	1.5	1.8	1.8
	A little effective	2	3.0	3.5	5.3
	Somewhat effective	6	9.0	10.5	15.8
	Very effective	48	71.6	84.2	100.0
	Total	57	85.1	100.0	
Missing	System	10	14.9		
Total		67	100.0		

**How could volunteers be more effective?**

A FEW WEREN'T VERY INTO IT AND COULD HAVE BEEN MORE	1
CANNOT VERY INFORMATIVE	1
CREATE A CHELICERATE WAS NOT ENGAGING	1
DID A GREAT JOB W/ENGAGEMENT	1
ENGAGING CHILDREN IS ALWAYS DIFFICULT...	1
EVERYONE WAS GREAT	1
EVERYONE WAS HELPFUL & ENGAGING	1
EVERYONE WAS VERY FRIENDLY + FUN TO WORK WITH	1
EVERYONE WAS VERY HELPFUL	1
I THINK THEY ALL DID A GREAT JOB!	1
I THOUGHT THEY ALL DID A GREAT JOB!	1
IF FULL, KIND OF EXPLAIN IF OR WHEN WE CAN COME BAC	1
LOVED THEM!	1
MORE HANDOUTS	1
MORE TIME	1
N/A	1

N/AP	1
NA	1
NONE. THEY DID GREAT!	1
NOT MUCH	1
NOTHING GOOD JOB!	1
THE VOLUNTEERS DID AN EXCELLENT JOB	1
THEY DID A GREAT JOB HELPING EVERYONE.	1
THEY DID FINE.	1
THEY DID GREAT!	1
THEY DID VERY GOOD AS IT HAPPENS - KUDOS TO ALL. TH	1
THEY WERE GREAT	2
THEY WERE GREAT!	1
THEY WERE PERFECT	1
THEY WERE SO ENTHUSIASTIC. THEY WERE PERFECT.	1
THOUGHT THEY WERE EXCELLENT!	1
TRAINING TO TALK TO KIDS	2
VERY GOOD	1

**Liked best?**

A LOT OF THINGS TO LOOK AT AND LEARN	1
ACTIVITY PACKS TO FOLLOW ALONG	1
ALL THE EXHIBITS	1
ALL THE HANDS ON	1
COLORFUL INTERESTING	1
EDUCATIONAL	1
ENGAGING PUBLIC IN TOPICS THEY WOULDN'T NORMALLY KNOW	1
ENTHUSIASM OF VOLUNTEERS	1
EVERYTHING	6
EXPERIMENT	1
EXPERIMENT + SPIDER	1
GREAT ACTIVITIES	1
HANDS ON	2
HANDS ON ACTIVITIES AND ONE ON ONE INTERACTION	1
HENRY DOORLY ZOO	1
HOW EXTENSIVE	1
INTERACTIONS W/MY KIDS	1
INTERACTIVE THINGS FOR THE KIDS	1
LIVE EXIBITS	1
LIVE SPECIMENS	1

LOVED THE AMOUNT OF ACTIVITIES	1
MAMOTH & OTHER TOSSILS TITAN BOA EXHIBIT	1
MICROSCOPES	1
REFLECTIVE EYES - WHO KNEW?	1
SPIDERS & PROPS	1
SPIDERS LIVE BY	1
TAKING PHOTO W/MAMMOTH	1
THAT MY KIDS GET TO EXPIERENCE SIENCE	1
THE EXPERIMENT	1
THE INTERACTION WITH DIFFERENT SPECIES OF SPIDERS, ECT.	1
THE LIVE SPECIMENS THE INFORMATIVE POSTERS & THE VOLUNTE	1
THE ORGANIZATION	1
THE SPIDER EXPERIMENT	1
THE TIME + PATIENCE OF THESE NICE UNL STUDENTS	1
THE VARIETY + THE LIVE EXHIBITS. THE APPLESAUCE GUY WAS	1
THELYPHONIDA EXHIBIT	1
WATCHING MY SONS' LISTENING + LEARNING	1

**Important to be available to the public**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Yes	51	76.1	100.0	100.0
Missing System	16	23.9		
Total	67	100.0		

**Important to be available to the public: why**

ABSOLUTELY- CHILDREN NEED TO VALUE AND PROTECT THE NAT	1
CHILDREN LEARN BETTER DOING HANDS ON ACTIVITIES	1
CREATE AWARENESS FOR SCIENCE	1
CREATE INTEREST IN SCIENCE	1
EDUCATION OF NATURE	1
EDUCATIONAL	2
EDUCATIONAL + FUN	1
EXPAND THEIR EXPERIENCES	1
EXPLORATION/LEARNING	1
EXPOSURE TO SCIENCE	1
FOR THEM TO SEE FIRST HAND NOT ON A SCREEN	1
FUN ACTIVITY IT INCREASE MY DAUGHTERS INTEREST IN DIFF	1
GETS THEM MORE INTERESTED	1

GREAT HANDS ON LEARNING	1
GREAT LEARNING EXPERIENCE	1
GREAT WAY TO LEARN AND EXPLORE	1
HELPS THEM LEARN	1
I BELIEVE SCIENCE IS IMPORTANT FOR EVERYONE TO LEARN	1
KIDS LEARN BY INTERACTING & DISCOVERY	1
LEARN MORE ABOUT CREATION, HAVE MORE CURIOSITY + RESPE	1
LEARNING ABOUT NATURE & SCIENCE	1
LEARNING ABOUT NATURE AND SCIENCE	1
MORE ACCURATE EDUCATIONAL INFO	1
MORE EXPOSURE HANDS ON LEARNING	1
OPPORTUNITIES TO LEARN	1
SO MEANINGFUL FOR KIDS! LOTS OF LEARNING!	1
SPARK THEIR INTEREST	1
TAKES FEAR AWAY	1
TEACHING OLD + YOUNG!	1
VERY EDUCATIONAL	1
WE HAVE TO GET KIDS EXCITED @ AN EARLY AGE	1
WON'T GET EXPOSURE IF NOT	1
YOU DON'T SEE THIS ON THE IPAD...	1

**Gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	27	40.3	46.6	46.6
	Female	31	46.3	53.4	100.0
	Total	58	86.6	100.0	
Missing	System	9	13.4		
Total		67	100.0		

**Age**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than 25	6	9.0	10.3	10.3
	25-34	10	14.9	17.2	27.6
	35-44	23	34.3	39.7	67.2
	45-54	8	11.9	13.8	81.0
	55-64	8	11.9	13.8	94.8
	65 or older	3	4.5	5.2	100.0
	Total	58	86.6	100.0	
Missing	System	9	13.4		
Total		67	100.0		

**Newspaper**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	9	13.4	100.0	100.0
Missing	System	58	86.6		
Total		67	100.0		

**Radio**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	2	3.0	100.0	100.0
Missing	System	65	97.0		
Total		67	100.0		

**School**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	5	7.5	100.0	100.0
Missing	System	62	92.5		
Total		67	100.0		

**Museum Website**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	11	16.4	100.0	100.0
Missing	System	56	83.6		
Total		67	100.0		

**Friends of the Museum**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	5	7.5	100.0	100.0
Missing	System	62	92.5		
Total		67	100.0		

**UNL email**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	8	11.9	100.0	100.0
Missing	System	59	88.1		
Total		67	100.0		

**TV**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	1	1.5	100.0	100.0
Missing	System	66	98.5		
Total		67	100.0		

**Attended other Sunday with a Scientist**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	4	6.0	100.0	100.0
Missing	System	63	94.0		
Total		67	100.0		



**Other**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	13	19.4	100.0	100.0
Missing	System	54	80.6		
Total		67	100.0		

**Did not know it was going on**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	7	10.4	100.0	100.0
Missing	System	60	89.6		
Total		67	100.0		

**Other, specify:**

DAUGHTER FROM KANSAS
DUMB LUCK
FAMILY LIVES HERE + KNEW ABOUT EVENT
HEARD FROM A FRIEND
JUST CAME TO VISIT
JUST STOPPED IN
PLANNED VISIT SAW ON WEBSITE
SPOUSE WORKS @ UNL
WE DIDN'T KNOW ABOUT IT!
WIFE

**Zip code**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	52057	1	1.5	1.8	1.8
	52722	1	1.5	1.8	3.6
	66207	1	1.5	1.8	5.4
	67226	1	1.5	1.8	7.1
	68017	1	1.5	1.8	8.9
	68033	1	1.5	1.8	10.7
	68046	2	3.0	3.6	14.3
	68106	1	1.5	1.8	16.1
	68124	1	1.5	1.8	17.9

68132	1	1.5	1.8	19.6
68316	1	1.5	1.8	21.4
68331	1	1.5	1.8	23.2
68434	2	3.0	3.6	26.8
68502	3	4.5	5.4	32.1
68503	3	4.5	5.4	37.5
68504	1	1.5	1.8	39.3
68505	3	4.5	5.4	44.6
68506	3	4.5	5.4	50.0
68508	2	3.0	3.6	53.6
68510	7	10.4	12.5	66.1
68516	9	13.4	16.1	82.1
68521	6	9.0	10.7	92.9
68522	1	1.5	1.8	94.6
68532	1	1.5	1.8	96.4
68601	1	1.5	1.8	98.2
74136	1	1.5	1.8	100.0
Total	56	83.6	100.0	
Missing System	11	16.4		
Total	67	100.0		

**Suggestions**

AUSTRALIAN ANIMALS CHINESE ANIMALS
BIG CATS OR OTHER MAMMALS
CLIMATE CHANGE GREEN HOUSE GAS EFFECTS CONSTELLATIONS
CONSERVATION
DINOSAURS!
DINOSAURS.
EGYPT
EVOLUTION
FISH, STARS/PLANETS
INSECTS ROCKS
MAGIC-CAVEMEN?
MAMMALS
N/A
NA
NEBRASKA NATIVE INVERTABRATES, REPTILES, FISH

ROBOTS DINO STUFF SPINOSAURUS!!
ROCKS/GEMSTONES, BUGS, ANIMAL SPECIES VOLCANOSE
SEASHELL CREATURES
SPECIAL NEEDS ALONG HAD

**Comments**

A WONDERFUL WAY TO SPEND TIME WITH FAMILY AND
BROUGHT 5 YR OLD AND 9 YR OLD
GREAT DAY!
GREAT JOB! BIOLOGY IS AN AMAZING SCIENCE!
GREAT JOB!!
GREAT: SPIDER-IFFIC! :)
GREAT! ACTIVITY
HAD A GREAT TIME
LOVE IT! KEEP IT UP.
N/A
N/AP
NA
SURVEYS ROCK :)
THANK YOU!
TOOK MY 2 GRANDKIDS + THEY HAD A GREAT TIME

**Bugfest**

**After participating in this activity, how much more or less likely are you to set up your own experiment at home?**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Much less likely	1	4.8	4.8	4.8
Less likely	1	4.8	4.8	9.5
More likely	14	66.7	66.7	76.2
Much more likely	5	23.8	23.8	100.0
Total	21	100.0	100.0	

**After participating in this activity, how much more or less likely are you to kill a spider in your house?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	5	23.8	23.8	23.8
	Less likely	8	38.1	38.1	61.9
	The same	6	28.6	28.6	90.5
	More likely	1	4.8	4.8	95.2
	Much more likely	1	4.8	4.8	100.0
	Total	21	100.0	100.0	

**After participating in this activity, how much more or less likely are you to attend another similar event?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	More likely	5	23.8	23.8	23.8
	Much more likely	16	76.2	76.2	100.0
	Total	21	100.0	100.0	

**After participating in this activity, how much more or less likely are you to say that you understand what the scientific process is?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less likely	1	4.8	5.0	5.0
	The same	3	14.3	15.0	20.0
	More likely	15	71.4	75.0	95.0
	Much more likely	1	4.8	5.0	100.0
	Total	20	95.2	100.0	
Missing	System	1	4.8		
	Total	21	100.0		

**After participating in this activity, how likely is it that you will follow-up on what you've learned here at home by doing some research of your own?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not at all likely	2	9.5	10.5	10.5
	A little likely	2	9.5	10.5	21.1
	Somewhat likely	7	33.3	36.8	57.9
	Very likely	8	38.1	42.1	100.0
	Total	19	90.5	100.0	
Missing	System	2	9.5		
Total		21	100.0		

**What surprised you about this activity?**

HOW FAST THE SPIDER ATTACKED
HOW FAST THE SPIDER CAUGHT THE CRICKET
HOW FAST THEY CAUGHT PRAY
HOW FUN IT WAS :)
HOW QUICK SPIDER WAS
I WASN'T SCARED
IF THE CRICKET DOESN'T MOVE THE SPIDER IS LESS LIKELY TO GET IT.
IT QUICKLY CAUGHT THE CRICKET
MY CHILD'S LEVEL OF PARTICIPATION
NOT ALL SPIDERS ARE BITERS
NOTHING
SPIDER #1 NOT HUNGRY-LET CRICKET WALK PAST. SPIDER #2 GRABBED 2 CRICKES QUICKLY
THAT MY SPIDER CAUGHT MY CRICKIT SO FAST!
THAT THE SPIDER ATTACKED IN 20 SEC.
THE INTERACTIVITY BETWEEN THE STUDENTS AND CHILDREN.
THE SPIDERS ABILITY TO EAT.

**Did you learn anything new? If so, please briefly describe:**

EYE SHINING	1
HOW SPIDERS ATTACK PREY.	1
I LEARNED THAT SPIDERS USE VIBRATIONS TO HUNT.	1
LEARNED ABOUT HOW SPIDERS SENSE VIBRATION	1
NO	2
THAT SPIDERS USE VISUAL AND VIBRATORY CUES TO FIND FOOD	1
THEY ARE FAST	1
VIBRATIONS ARE VERY IMPORTANT FOR SPIDERS TO FIND THEIR FOOD	1

YES, THAT VIBRATION HELPS A SPIDER EAT	1
YES! TOO MUCH TO SAY!	1
YES.	1

**Do you think it is important for these kinds of activities to be available to the public? If so, why?**

BECAUSE ITS GOOD FOR KIDS TO FIND ABOUT BUGS
CREATE INTEREST IN SPIDERS. DECREASE FEAR OF SPIDERS
GET KIDS EXCITED!
SO WE CAN LERN MORE ABOUT SPIDERS.
YES
YES SO CHILDREN KNOW WHAT ANIMALS DO IN THE NATURAL WORLD DO
YES VERY IMPORTANT TO KNOW.
YES- IT IS GREAT TO EXPOSE KIDS TO OTHER AREERS AND TO EXPOSE ADULS TO WORLD AROUND THEM
YES, BECAUSE IT ADDS TO WHAT THE PUBLIC SCHOOLS ARE TEACHING AND ADULTS FORGET
YES, BECAUSE IT STIMULATES AN INTEREST IN SCIENCE WHILE STILL BEING FUN.
YES, BECAUSE PEOPLE NEED TO SEE SCIENCE IN ACTION
YES, LET PEOPLE HAVE A CHANCE TO UNDERSTAND THINGS AROUND THEM
YES, SO THEY KNOW HOW SPIDERS HUNT
YES, TO LEARN
YES! EDUCATION + ENTHUSIASM
YES! FEAR IS DEFEATED BY KNOWLEDGE
YES.
YES. HANDS ON VERY INTERESTING COMPARED WITH TEXTBOOK INFO.

**If you had a child with you, what, if anything, do you think was meaningful to that child in participating in this activity?**

BEING PART OF THE EXPERIMENT
DK.
ENRICHING THE SCIENTIFIC PROCESS
EXPERIMENTAL METHODOLOGY
HANDS ON EDUCATION
HE LOVED IT! GREAT HANDS ON!
HE WAS VERY INTERESTED
IT SHOWED SPIDERS DON'T NEED A WEB TO CATCH FOOD. (AT LEAST FOR WOLF SPIDERS.)
IT WAS MEANINGFUL THAT SHE WAS ABLE TO ASK QUEESTIONS AND UNDERSTAND WHY THINGS WERE HAPPENING.
KNOWING HOW SPIDERS HUNT

LESSEN THE THEIR FEAR
SCIENCE FAIR IDEA
SEEING HOW EXPERIMENTS ARE DONE
SEEING HOW FAST THE SPIDER ATTACKS
TO LIKE ANIMALS.
YES, HE IS VERY, VERY EXCITED

**What is your gender?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	9	42.9	50.0	50.0
	Female	9	42.9	50.0	100.0
	Total	18	85.7	100.0	
Missing	System	3	14.3		
Total		21	100.0		

**What is your current age?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than 25	6	28.6	37.5	37.5
	25-34	3	14.3	18.8	56.3
	35-43	4	19.0	25.0	81.3
	44-54	3	14.3	18.8	100.0
	Total	16	76.2	100.0	
Missing	System	5	23.8		
Total		21	100.0		

**Butterfly Pavilion**

**How interesting did you (and your family) find the following stations? [Create a chelicerate (clay)]**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little Interesting	3	5.6	6.8	6.8
	Somewhat Interesting	11	20.4	25.0	31.8
	Very Interesting	30	55.6	68.2	100.0
	Total	44	81.5	100.0	
Missing	System	10	18.5		
Total		54	100.0		

**How interesting did you (and your family) find the following stations? [Tissue paper flower]**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little Interesting	6	11.1	15.0	15.0
	Somewhat Interesting	9	16.7	22.5	37.5
	Very Interesting	25	46.3	62.5	100.0
	Total	40	74.1	100.0	
Missing	System	14	25.9		
Total		54	100.0		

**How interesting did you (and your family) find the following stations? [Assemble an arachnid (coloring)]**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.9	2.9	2.9
	A little Interesting	2	3.7	5.7	8.6
	Somewhat Interesting	12	22.2	34.3	42.9
	Very Interesting	20	37.0	57.1	100.0
	Total	35	64.8	100.0	
Missing	System	19	35.2		
Total		54	100.0		

**How interesting did you (and your family) find the following stations? [Weave a web]**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Interesting	1	1.9	3.0	3.0
	A little Interesting	3	5.6	9.1	12.1
	Somewhat Interesting	8	14.8	24.2	36.4
	Very Interesting	21	38.9	63.6	100.0
	Total	33	61.1	100.0	
Missing	System	21	38.9		
Total		54	100.0		



**How interesting did you (and your family) find the following stations? [Microscope madness]**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Somewhat Interesting	6	11.1	13.0	13.0
	Very Interesting	40	74.1	87.0	100.0
	Total	46	85.2	100.0	
Missing	System	8	14.8		
Total		54	100.0		

**How interesting did you (and your family) find the following stations? [Path of predators booklet]**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little Interesting	3	5.6	6.7	6.7
	Somewhat Interesting	7	13.0	15.6	22.2
	Very Interesting	35	64.8	77.8	100.0
	Total	45	83.3	100.0	
Missing	System	9	16.7		
Total		54	100.0		

**After participating in this event, how much more or less likely are you to kill a spider in your house?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	16	29.6	30.2	30.2
	A little less likely	14	25.9	26.4	56.6
	The same	21	38.9	39.6	96.2
	Much more likely	2	3.7	3.8	100.0
	Total	53	98.1	100.0	
Missing	System	1	1.9		
Total		54	100.0		

**After participating in this event, how much more or less likely are you to take the time to observe a spider, or other arachnid?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little less likely	1	1.9	1.9	1.9
	The same	6	11.1	11.5	13.5
	A little more likely	17	31.5	32.7	46.2
	Much more likely	28	51.9	53.8	100.0
	Total	52	96.3	100.0	
Missing	System	2	3.7		
Total		54	100.0		

**After participating in this event, how much more or less likely are you to read about arachnids?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	1	1.9	1.9	1.9
	A little less likely	1	1.9	1.9	3.8
	The same	18	33.3	34.0	37.7
	A little more likely	13	24.1	24.5	62.3
	Much more likely	20	37.0	37.7	100.0
	Total	53	98.1	100.0	
Missing	System	1	1.9		
Total		54	100.0		

**After participating in this event, if you are a student, did this make you more or less likely to consider a future job in science?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	1	1.9	1.9	1.9
	The same	9	16.7	17.3	19.2
	A little more likely	10	18.5	19.2	38.5
	Much more likely	5	9.3	9.6	48.1
	Not applicable	27	50.0	51.9	100.0
	Total	52	96.3	100.0	
Missing	System	2	3.7		
Total		54	100.0		

**How much more or less interested are you in learning about scientific discoveries?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less interested	1	1.9	1.9	1.9
	A little less interested	1	1.9	1.9	3.8
	The same	10	18.5	19.2	23.1
	A little more interested	13	24.1	25.0	48.1
	Much more interested	27	50.0	51.9	100.0
	Total	52	96.3	100.0	
Missing	System	2	3.7		
Total		54	100.0		

**How effective was the artwork in engaging you with the exhibit?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little effective	3	5.6	5.7	5.7
	Somewhat effective	16	29.6	30.2	35.8
	Very effective	34	63.0	64.2	100.0
	Total	53	98.1	100.0	
Missing	System	1	1.9		
Total		54	100.0		

**How effective were the volunteers in engaging you with the exhibit?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little effective	2	3.7	3.8	3.8
	Somewhat effective	9	16.7	17.0	20.8
	Very effective	42	77.8	79.2	100.0
	Total	53	98.1	100.0	
Missing	System	1	1.9		
Total		54	100.0		

**How could the volunteers be more effective in engaging you with the exhibit?**

ALL WERE AWESOME	1
ASK QUESTIONS OF THE KIDS, LIKE PATRICK DID @ THE MICROSCOPES	1
COULDN'T HAVE DONE ANY BETTER- THEY WERE GREAT!	1
EVERYBODY WAS SURPRISINGLY KNOWLEDGEABLE.	1
EVERYTHING WAS GREAT! WE LOVED IT.	1
I LIKE THE HANDS ON AND MORE ENGAGING BY ALL EXHIBIT	1

I THINK THEY DID A VERY GOOD JOB!	1
I THOUGHT THEY WERE GOOD	1
MAYBE JUST FOCUS MORE ON MAKING SURE MULTIPLE AMOUNTS OF KIDS LISTENING, CAN ALL HEAR.	1
MORE KNOWLEDGABLE ENGAGING W/CHILDREN	1
N/A	1
NO, THEY WERE VERY ENGAGING	1
SOME WERE GREAT! ONLY 1 OR 2 JUST TALKED AMON	1
THEY DID A GREAT JOB	1
THEY DID A WONDERFUL JOB.	1
THEY DID GREAT	2
THEY WERE ALL GOOD WITH DIFFERENT AGE GROUPS.	1
THEY WERE AWESOME! SO KNOWLEDGABLE ABOUT SO MANY KINDS OF SPIDERS.	1
THEY WERE EXCELLENT	1
THEY WERE GOOD	1
THEY WERE GOOD.	1
THEY WERE GREAT	1
THEY WERE GREAT - VERY INTERESTING & WORD APPROPRIATE FOR CHILDREN (AND GROWN UPS WHO DON'T KNOW MUCH)	1
THEY WERE GREAT!	3
THEY WERE VERY HELPFUL WITH OUR 3 YEAR OLD. NOTHING BUT PRAISE! THANK YOU!	1
VERY ATTENTIVE AND HELPFUL	1
VOLUNTEERS DID A VERY GOOD JOB	1
VOLUNTEERS WERE GREAT!	1
VOLUNTEERS WERE GREAT. THEY WERE VERY INTERACTIVE WITH MY 9 YR. OLD SON.	1

**Did you learn anything new? If so, please briefly describe.**

2 TYPES OF POISONOUS IN OUR AREA, THE REST NOT HARMFUL. TE EYE PATTERNS USED TO IDENTIFY
ALL DIFFERENT TYPES OF ARACHNID.
ALOT ABOUT SPIDERS/SCORPIONS ETC.
DADDY LONG LEGS ARE NOT SPIDERS
DADDY LONG LEGS ARE NOT SPIDERS OF THE DO NOT HAVE VENOM.
DADDY LONG LEGS AREN'T VENOMOUS
EVERYTHING
HOW SPIDERS EAT- THEY DRINK! MOST SPIDERS CANNOT HURT YOU AND ARE SO HELPFUL TO OUR ECOSYSTEM. WHAT BALANCE THEY PRING TO OUR WORLD!

I LEARN MORE ABOUT SPIDERS
I LEARN THAT THERE ARE MORE SPECIES OF SPIDER, AND ONS THAT ARE IN ARE BENEFICIAL
I LEARNED ALL ABOUT SPIDERS
I LEARNED ALOT ABOUT SPIDER NERVOUS SYSTEM AWESOME!
I LEARNED QUITE A BIT. IT WAS VERY WELL-DONE
INSECTS + OTHER SMALL CREATURES ARE A PART OF OUR WORLD + MATTER TOO!
LEARNED A LOT ABOUT WHIP SCORPIONS.
LEARNED A LOT MORE ABOUT ARACHNIDS REALLY ENJOYED THE STATIONS AND MICROSCOPES
LOTS!!!
MORE SCIENTIFIC INFO ABOUT SPIDERS
NEITHER - SAW ASIA PETE ON SPIDERS
NO
NOT EVERYTHING IS A SPIDER
SCORPIONS GLOW UNDER UV LIGHT.
SCORPIONS GLOWING
SPIDER THAT CHANGES COLORS
SPIDERS ARE OUR FRIENDS!
THAT SPIDERS HAVE DIFFERENT EYES.
YES LOTS OF CLASSES OF ARACHNID
YES, ABOUT THE "DADDY LONG LEGS"
YES, NO EVERYTHING W/8 LEGS ARE SPIDERS
YES! "DADDY LONGLEGS" AREN'T POISONOUS

**Do you think it is important for these kinds of activities to be available to the public? If so, why?**

ABSOLUTELY, BROADEN EXPERIENCES & APPRECIATE WHAT IS UNIQUE ABOUT A 'HOUSE SPIDER'	1
ABSOLUTELY! IT SHOULD BE PART OF PUBLIC SCHOOL CURRICULUM.	1
AWARENESS	1
DEFINITELY. WE'RE LOSING HOW MANY SPECIES PER DAY? KNOWLEDGE PROMOTES ACTION.	1
I LIKE IT GET KIDS INVOLVED IN SCIENCE + INSECT GEOLOGY WHERE THEY LIVE. ITS MORE EDUCATIONAL HANDS ON	1
SURE	1
VERY	1
VERY EDUCATIONAL	1
VERY IMPORTANT FOR KIDS	1
VERY IMPORTANT. WHAT YOU ARE DOING HERE IS ABSOLUTLY AMAZING! THIS IS BEAUTIFUL TO HAVE SOMETHING SO ENGAGING IN OUR FUTURE SCIENTISTS.	1

VERY MUCH SO	1
YES	2
YES BECAUSE OTHER PEOPLE SHOULD LEARN ABOUT ARACHNIDS.	1
YES SO PPL CAN LEARN MORE	1
YES SPIDERS AND SUCH ARE NOT FIRST ON MY LIST FIRST ON MY LIST FOR EXPLAINING OR TEACHING. DON'T KILL MANY MUCH JUST WILL THEM TO GO AWAY.	1
YES- SO CHILDREN CAN LEARN THROUGH ACTIVITY EXPERIMENTAL EDUCATION IS GREAT!	1
YES, FUN FOR KIDS TO LEARN + EDUCATIONAL. NOT BORING	1
YES, GREAT EDUCATION	1
YES, ITS COOL TO KNOW WHAT IS AROUND YOU	1
YES, KNOWLEDGE IS ALWAYS GOOD.	1
YES, SO THE PUBLIC LEARNS HOW TO INTERACT/EXIST WITH INSECTS, ETC.	1
YES, THE MORE THEY LEARN THE BETTER	1
YES! HANDS ON ACTIVITIES/EVENTS ARE PRICELESS TO THE LEARNING PROCESS. NOT SURE I WOULD SEEK OUT SCIENCE-BASED EVENTS WITHOUT THE HANDS-ON LEARNING	1
YES! HANDS ON LEARNING, FOR FUN, IS IMPORTANT.	1
YES! KNOWLEDGE IS POWER!	1
YES.	1
YES. SO KIDS CAN LEARN MORE ABOUT SCIENCE AND NATURE.	1
YES. SO MANY FEARS OF SPIDERS- KNOWLEDGE	1
YES. THE CRAFTS ENGAGE THE CHILDREN TO HELP THEM WANT TO EXPLORE AND INVESTIGATE MORE.	1

**Please use the space below to provide any additional comments or feedback:**

DEFINETY DO AGAIN! I LOVE THIS!	1
GREAT	1
GREAT PLACE WE WILL BE BACK	1
GREAT PRESENTATION	1
GREAT SETUP!	1
I ALLREADY KNEW ALOT ABOUT SPIDER BECAUSE I HAVE BEN A MEMBER MENY YEAR.	1
I ENJOYED THIS EXPERIENCE & WILL USE TO FURTHER TEACH MY 2 YEAR OLD! THANK YOU FOR YOUR TIME!	1
IT WAS A WONDERFUL EXPERIENCE FOR MY GRANDSON, WHO WAS PREVIOUSLY FRIGHTENED OF SPIDERS! VERY WELL DONE & VERY ENLIGHTENING	1
LOVED HAVING THE LIVE SPIDERS AND SCORPIANS, AND THE APPLE SAUCE EXAMPLE WAS CLEVER. WATCH KIDS USING THE UV FLASHLIGHTS.	1

MY CHILDREN REALLY ENJOYED THIS- INTERACTIVE, FUN THEY WOULD LIKE OTHER EXHIBITS LIKE THIS	1
OUTSTANDING EXHIBIT!	1
PROVIDE AN OVERALL MAP OF THE ACTIVITIES LAYOUT SO PEOPLE KNOW WHERE TO GO AND CAN SEE THE BIG PICTURE (OR CREATE A LIST OF ACTIVITY AREAS IN CASE THE ACTUAL LAYOUT CHANGES AT DIFFERENT LOCATIONS.)	1
THANK YOU SO MUCH FOR THIS. I WILL NEVER FORGET IT OR THE THINGS I LEARNED	1
THANK YOU!	2
THANKS FOR WHAT YOU DO.	1
THE GAZEBO AREA WAS WONDERFUL	1
VERY FRIENDLY STAFF & FUN FACTS! :)	1
WONDERFUL JOB! WE LEARNED A TON.	1

## Denver Museum

### Create a chelicerate

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not interesting	1	.4	.5	.5
	A little interesting	12	5.0	6.2	6.7
	Somewhat interesting	44	18.4	22.7	29.4
	Very interesting	137	57.3	70.6	100.0
	Total	194	81.2	100.0	
Missing	System	45	18.8		
Total		239	100.0		

### Tissue paper flower

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not interesting	4	1.7	2.2	2.2
	A little interesting	14	5.9	7.9	10.1
	Somewhat interesting	49	20.5	27.5	37.6
	Very interesting	111	46.4	62.4	100.0
	Total	178	74.5	100.0	
Missing	System	61	25.5		
Total		239	100.0		

**Assemble an arachnid**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not interesting	1	.4	.5	.5
	A little interesting	12	5.0	6.3	6.8
	Somewhat interesting	38	15.9	20.0	26.8
	Very interesting	139	58.2	73.2	100.0
	Total	190	79.5	100.0	
Missing	System	49	20.5		
Total		239	100.0		

**Path of predators booklet**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not interesting	3	1.3	1.4	1.4
	A little interesting	7	2.9	3.3	4.7
	Somewhat interesting	39	16.3	18.1	22.8
	Very interesting	166	69.5	77.2	100.0
	Total	215	90.0	100.0	
Missing	System	24	10.0		
Total		239	100.0		

**Kill a spider in your house**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	6	2.5	2.7	2.7
	A little less likely	70	29.3	32.0	34.7
	The same	82	34.3	37.4	72.1
	A little more likely	61	25.5	27.9	100.0
	Total	219	91.6	100.0	
Missing	System	20	8.4		
Total		239	100.0		



**Take time to observe a spider or other arachnid**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	15	6.3	6.3	6.3
	A little less likely	14	5.9	5.9	12.2
	The same	38	15.9	16.0	28.3
	A little more likely	83	34.7	35.0	63.3
	Much more likely	87	36.4	36.7	100.0
	Total	237	99.2	100.0	
Missing	System	2	.8		
Total		239	100.0		

**Read about arachnids**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	12	5.0	5.0	5.0
	A little less likely	5	2.1	2.1	7.1
	The same	55	23.0	23.1	30.3
	A little more likely	97	40.6	40.8	71.0
	Much more likely	69	28.9	29.0	100.0
	Total	238	99.6	100.0	
Missing	System	1	.4		
Total		239	100.0		

**Consider a future job in science**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	10	4.2	4.3	4.3
	A little less likely	7	2.9	3.0	7.3
	The same	54	22.6	23.2	30.5
	A little more likely	45	18.8	19.3	49.8
	Much more likely	35	14.6	15.0	64.8
	Not applicable	82	34.3	35.2	100.0
	Total	233	97.5	100.0	
Missing	System	6	2.5		
Total		239	100.0		

**Learning about scientific discoveries**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less interested	8	3.3	3.4	3.4
	A little less interested	7	2.9	2.9	6.3
	The same	36	15.1	15.1	21.4
	A little more interested	75	31.4	31.5	52.9
	Much more interested	112	46.9	47.1	100.0
	Total	238	99.6	100.0	
Missing	System	1	.4		
Total		239	100.0		

**Effective artwork in engaging**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not at all effective	2	.8	.9	.9
	A little effective	16	6.7	6.8	7.7
	Somewhat effective	48	20.1	20.5	28.2
	Very effective	168	70.3	71.8	100.0
	Total	234	97.9	100.0	
Missing	System	5	2.1		
Total		239	100.0		

**Effective volunteers in engaging**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not at all effective	2	.8	.8	.8
	A little effective	12	5.0	5.1	5.9
	Somewhat effective	28	11.7	11.9	17.8
	Very effective	194	81.2	82.2	100.0
	Total	236	98.7	100.0	
Missing	System	3	1.3		
Total		239	100.0		

**How could the volunteers be more engaging?**

THEY WERE VERY ENGAGING- NO CHANGES
OVERHEAD OVER THERE STATIONS
THEY WERE GREAT

MY DAUGHTER IS 4 AND THE VOLUNTEERS TENDED TO NOT TRY TO TEACH HER THE SAME MATERIAL AS OLDER KIDS
THEY WERE VERY GOOD
THEY DID GREAT
MORE HANDS ON W/ ANIMALS
HOLD MORE BUGS.
MORE VOLUNTEERS/TABLE
THEY WERE GREAT!
IT WAS GREAT
THEY ALL DID A GREAT JOB
THEY DID A GREAT JOB ENGAGING EVERYONE
THEY WERE GREAT
THE VOLUNTEERS WERE GREAT!
THEY WERE EXCELLENT
NA, THEY WERE GOOD.
THEY DID FINE WORK.
N/A
DID GREAT!
JUST BY KEEPING UP THE FOOD WORK
THEY WERE GREAT. NO IDEAS
THEY WERE GREAT! VERY KNOWLEDGABLE AND THEY DIDN'T KNOW THEY THEY ASKED.
DO GROUPS OF A FEW AT A TIME
ACTIVE VIDEO CONTENT
THEY WERE THE BEST
THEY WERE GREAT
THEY DID GREAT!
THEY DID WONDERFUL
WE ENJOYED IT
SOME DIDN'T KNOW ANY INFO ON STATION
LET US HOLD THE INSECTS.
MORE LIVE CRETURES WE CAN HOLD!
THEY WERE GRATE.
THEY WERE WONDERFUL
THEY WERE GREAT, PATIENT, & ENGAGING
IT WAS GOOD
THEY DID AN EXCELLENT JOB,VERY ENGAGING
IMPOSSIBLE
THEY WERE ALL AMAZING
THEY WERE ALL VERY GOOD.
SHOWING MORE INTERESTING INSECTS.
THEY WERE GREAT
THEY DID EVERYTHING AMAZING

I LIKED HOW THEY WERE HAPPY IN TEACHING YOU ABOUT THE DIFFERENT TYPES OF SPIDERS (NOT SPIDERS) THEY WERE REALLY HELPFUL
NEED MORE OF THEM
THEY WERE FANTASTIC & VERY INFORMATIVE
THEY DID A GREAT JOB!
I FEEL THEY DID A GREAT JOB. THEY WERE ENTHUSIASTIC AND HAD MANY HANDS ON ACTIVITIES
I THOUGHT THEY WERE VERY EFFECTIVE
THEY WERE GREAT
N/A
STAY AND HELP
THEY DO GREAT JOB
STAY AND HELP
THEY WERE GREAT = N/A
THEY WERE GREAT
THEY WERE GREAT W/ KIDS
THEY ACTUALLY DID A VERY GOOD JOB
THEY ARE VERY HELPFUL.
BRIEFING IN LIFE CIRCUMSTANCES OF TE AFFECT OUR LIVES
VOLUNTEERS WERE FANTASTIC, ENGAGING NO IMPROVEMENT
INCLUDING LIFE-EXAMPLES OF HOW THESE CREATURES AFFECT OUR LIVES
THEY WERE GOOD, AND FUN
FROM TIME TO TIME THEY'D SAY THESE ARE INSECTS. :
I THOUGHT THE ART STATIONS WERE OUTSTANDING. GOOD BALANCE
VERY ENGAGING
THEY WERE FINE
THERE DIEING AND WANT TO HELP
OK
THEY WERE GREAT! :)
N/A
MORE STORIES. GOOD.
I'M SCARED OF SPIDERS
THEY WERE VERY ENGAGING
JUST KEEP SMILING :)
THE VOLUNTEERS WERE GREAT AT ALL STATION
N/A THEY WERE GREAT
I THINK THE STAFF DID A WONDERFUL JOB GIVING INFORMATION.
THEY WERE GOOD ALREADY
ALL THE VOLUNTEERS WERE EXTREMELY FRIENDLY AND INFORMATIVE.
THEY DID AN AWESOME JOB!
THEY WERE GREAT!
THEY WERE FINE.

THEY DID GREAT! NO IMPROVEMENTS @ ALL.
THEY ALL DID A GREAT JOB.
SOME SEEMED OVERWHELMED WITH THE AMOUNT OF PEOPLE PRESENT. MAYBE MORE VOLUNTEERS NEEDED
THEY WERE VERY GOOD
GIVING MORE INFORMATION.
N/A
EXECELENT
VOLUNTEERS ARE ALREADY EFFECTIVE
THEY WERE GREAT & INFORMATIVE.
THEY WERE GREAT!
THEY WERE GREAT
SEEMED GREAT
ENTERACT W/ THE KIDS MORE, MAKE SHOWY AND BE MORE ENTHUSIASTIC ABOUT THE SPIDERS, FEW VOLUNTEERS, WERE SHOWING NO INTEREST.
N/A
THEY WERE GREAT, MAYBE A LITTLE MORE CONCIIOUS OF THE SMALLEST KIDS
EXPLAINING A LITTLE BIT MORE ABOUT EACH STATION!
THEY WERE GREAT!!
THEY WERE GREAT; NO NEED TO CHANGE.
THEY WERE GREAT
THEY WERE GOOD
DID GREAT
THEY DID GREAT. NO CHANGE
EVERY THING IS GOOD LEARNED ALOT
THE SPIDERS WERE COOL
THEY WERE ARE VERY HELPFUL
I BELIEVE THEY DID A GREAT JOB.
THEY WERE GREAT, JUST CROWDED (I GET IT, FREE DAY)
THEY ALREADY DID A GOOD
VERY GOOD INTERACTION WAS WHAT I MOST APPRECIATED. MY DAUGHTER REALLY BENEFITTED FROM LEARNING OPPORTUNITIES WITH A RANGE OF PERSONALITIES
ALL DID A GREAT JOB
THEY WERE ALL EXCELLENT.
MAKING SURE ALL OF THEM INTERACT
THEY DID GREAT!!
ALL OF THEM WERE VERY NICE
ALL WERE GOOD
THEY WERE GREAT!
THEY WERE VERY INFORMATIVE
VOLUNTEERS WERE WONDERFUL!
SOME WERE NOT AS KNOWAGABLE AS OTHERS

THEY WERE VERY PERSONABLE AND SPOKE INTELLIGENTLY BUT STILL RELATABLE TO A YOUNGER DEMOGRAPHIC

N/A

**Learn new**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	168	70.3	93.3	93.3
	No	12	5.0	6.7	100.0
	Total	180	75.3	100.0	
Missing	System	59	24.7		
Total		239	100.0		

**Learn new: describe**

WAS NOT AWARE OF THE MANY DIFFERENT ORDERS.
NOT ALL SPIDERS ARE DANGEROUS
DADPH LONG LEGS ARE NOT POISONOUS
THERE ARE MANY KINDS OF ARCHANIDS -SCORPIONS GLOW
DADDY LONG LEG AREN'T VENOMOUS
THINGS I THOUGHT WERE SPIDERS WEREN'T
NEW SPECIES/TYPES OF ARACHNIDS
TICKS ARE SPIDERS
TICKS ARE SPIDERS.
NO FANGS ON DADDY LONG LEGS.
SO MANY TYPES
SCORPIONS ALL GLOW IN THE DARK.
TICKS
2 PARTS IN A PIDER
SPIDERS ARE DIFFERENT IN SIZE
ABOUT CREATURE THAT DIDN'T KNOW EXISTED!
DADDY LONG LEGS ARE NOT SPIDERS
DADDY LONG LEGS EVERYONE THINKS THEY ARE VENOMOUS (WE KNOW NOW) THEY ARE NOT
NEW TYPES OF PSEVDO-SCORPIONS
NOT ALL SPIDERS ARE ARACHIDS
VARIOUS TYPES OF SPIDERS AND HABITAT.
JUST DIFFERENT THING
DIDN'T KNOW MUCH ABOUT SPIDERS
ABOUT DADDY LONG LEGS
SCORPIONS THROW UP & EAT AGAIN
THAT NOT A SPIDERS BITE.
CATCHING THE SPIDER
HOW MANY ARE BLIND.

RELATIVES-HOW RELATE TO SPIDERS
SPIDERS ARE RELATED TO TICKS
SCORPIONS GLOW
MOST ARE NEVER HEARD OF BEFORE
SPIDERS SPIT VENUM INTO THEIR PREY TO PULVERIZE AND THEN SUCK UP THEIR GUTS
MANY NEW FACTS. I DIDN'T KNOW THERE WERE SO MANY ARACHNIDS.
DADDY LONG LEGS ARE NOT SPIDERS
BROWN RECLUSE IS NOT NATIVE TO COLO.
SPIDER ARE NOT ALL BAD
MORE ARACHNID SPECIES
SO MANY DIFF SPIDERS
DIFFERENT TYPES
SOME HAVE NO EYES
NOT ALL ARE POISONIS
DIFF SPIDERS.
BLACK WIDOW ONLY POISONSE SPIDER
EVERYTHING
I DO NOT HAVE TO BE AFRAID OF ALL SPIDERS
HOW SMALL THE SPIDERS ARE
I LEARNED THAT SPIDER AND SQUERPEONS ARE MORE INTERESTING
DADDY LONG LEGS.
WE DO NOT HAVE BROWN RECLUSE HERE IN CO
DIFFERENCE IN SPIDERS
DIFFERENT SPECIES & KINDS THAT I THOUGHT WAS A SPIDER.
THE MANY DIFFERENT KINDS OF ARACHNIDS
DADDY LONG LEG WASN'T REALLY A SPIDER.
THAT "DADDY LONG-LEGS" AREN'T SPIDERS
DADDY LONG LEGS AREN'T SPIDERS
WE HAVE STUDIED SPIDERS BUT WOULD LOVE TO LEARN MORE ABOUT OPILIONES AS A RESEARCH PROJECT!
ANTERA LEGS
I LEARNED THAT THEIR ARE DIFFERENT TYPE OF INSECTS.
DADDY LONG LEGS ISN'T A SPIDER
SPIDERS EAT NO MOSQUITO
SPIDERS HAVE 8 LEGS
NOT ALL THE CREATURES ARE SPIDERS, SOME ARE REALLY TINY, SOME LIVE IN CAVES.
TYPES OF SPIDERS
THAT ALL SCORPIONS FLUORESCCE
THE VARIETY OF INSECTS!
DADDY LONG LEGS ARE NOT VENEMOUS
HOW SPIDERS EATS. HOW BIG TICK GET
HARMLESS

COOL STUFF MORE ARACHNIDS THAN I KNEW ABOUT
LIFE CYCLE OF TICK
WHAT A BROWN RECLUSE LOOKS LIKE
DIFFERENT TYPE OF SPIDER
SOME EIGHT LEGGED HAVE NO EYES
DIFFERENT SPECIES
DADDY LONG LEGS ARE NOT SPIDERS
VERY DIFFERENT SPECIES AND THEIR FUNCTIONS
TICKS CAN GROW VERY BIG.
SCORPION ILLUMINATE MANY SPIDERS CANNOT SEE
SPIDERS MAY LOSE 1 LEG TO RUN AWAY FROM PREDATORS.
NOT ALL 8 LEGGED CREATURES CAN SEE
SPECIES OF SPIDER HAS A PENIS!
MANY KINDS OF ARACHNIDS THAT ARE NOT JUST SCORPIONS & SPIDERS
THE COMPOSITION STRUCTURE OF A TICK.
LEGS
HOW SPIDER OPERATE
UNKNOWN
ALL DIFFERENT SPECIES
A DADDY LONG LEGS IS NOT A SPIDER.
STILL DON'T LIKE THEM
MANY DIFF TYPES
DADDY LONG LEGGED
TICKS EAT AFTER 600 DAYS OF BEING FULL
ALL ABOUT SPIDERS
HOW SPIDERS EAT.
ABOUT THE NATURE OF THE INSECT.
DIFFERENT ARACHNIDS
SPECIES OF SPIDERS
THERE ARE MANY SPECIES OF WIDOW NOT JUST BLACK
DADDY LONG LEGS ARE NOT SPIDERS & DO NOT HAVE FANGS
EVERY ONE OF THE UNUSUAL ARACHIDS.
NOT ALL 8 LEGGED BUGS ARE SPIDER
HOW FAST A SPIDER CAN RUN.
I DIDN'T KNOW THAT THERE WERE OTHER INSECT W/ 8 LEGS
THAT NOT EVERYTHING THAT I BELIEVED WAS A SPIDER IS
VENOMOUS-TOXIC IF IT BITES. POISONOUS-TOXIC IF EATEN
VENOMOUS VS POISONOUS.
THEY WAY SPIDERS EAT!
I LEARNED SCORPIONS GLOW & DADDY LONG LEGS DON'T BITE & AREN'T VENEMOUS
TICKS ARE SPIDERS



SPIDERS ARE COOL
DADDY LONG LEGS ARENT CONSIDER SPIDERS. THERE HARMLESS
DADDY LONG LEGS ARE NOT SPIDERS
DADDY LONG LEGS ARE NOT RELATED TO SPIDERS
MOST SPIDERS OR BUGS ARE TOO SMALL TO HARM HUMANS
THAT DADDY LONG LEGS ARE NOT HARMFUL TO US.
SO MUCH
PSUEDOSCORPIONS
DADDY LONG LEGS ARE NOT VENOMOUS.
DIFFERENT TYPES OF ARACHNIDS
DADDY LONG LEGS ARE NOT POISONIOUS
LIKE THE DIFFERENT SPIDERS
DADDY LONG LEG
TRANTULAS MAKE WEBS
DADDY LONG LEGS HAVE NO VENOM OR FANGS!
EATING BY VOMITING!
THE TRUTH ABOUT DADDY LONG LEGS
CLASSES OF ARACHNIDS
THERE ARE MANY TYPES OF ARACHNIDS
HOW SPIDERS ARE VERY DIFFERENT
THAT A DADDY LONG LEGS IS NOT POISONOUS
SO MANY FAMILIES
HAD NO IDEA OF THE DIVERSITY OF ARACHNIDS
THE VARIETY OF ARACHNIDS
SCORPIONS GLOW
I KNOW ALMOST NOTHING.
BLACK WIDOWS, TICKS
MOST ARE HELPFUL
I KNEW VERY LITTLE ABOUT HOW MANY CLASSES OF ARACHNIDS AND SPECIFICS ABOUT EACH ONE!
AMBLYPIGIDS
NEW SPECIES

**Important available to public**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	173	72.4	95.6	95.6
	No	8	3.3	4.4	100.0
	Total	181	75.7	100.0	
Missing	System	58	24.3		
Total		239	100.0		

Important available to public: why

IT IS VERY EDUCATIONAL AND BUILDS AWARENESS
WHEN YOU KNOW BETTER YOU DO BETTER. KNOWLEDGE IS POWER
LEARNING IS ALWAYS GOOD
ALLOWS PEOPLE TO GET OUT AND ENJOY LIFE.
GREAT LEARNING
GREAT OPPORTUNITY TO EXPAND KNOWLEDGE!
NOT EVERYONE CAN AFORD TO PAY FOR THE MUSEUM
SO KIDS CAN LEARN MORE.
EXCEPTIONS
KNOWLEDGE IS ALWAYS HELPFUL.
TO EDUCATE
SO ENGAGING
TO BE MORE INFORMED ABOUT THINGS
IT CREATES IT INTEREST. THAT YOU WOULDN'T OTHERWISE
EDUCATION
CONTINUE EDUCATIONAL ACTIVITIES
EDUCATION
EDUCATIONAL
WE NEED TO KNOW WHAT WE LIVE WITH IN OUR EARTH
EDUCATION IS AWESOME!
DIFFERENT KINDS
ALL PEOPLE CAN'T AFFORD TO COME AMAZING!
KNOWLEDGE IS POWER
TO LEARN ABOUT HOUSE AND OTHER SPIDERS
TO LEARN AND ENGAGE IN OUR WORLD :)
BEING AWARE OF THE WORLD WE LIVE IN BENEFITS ALL OF US!
GENERAL KNOWLEDGE OF SPIDERS
MORE INFORMATIVE THAN AVERAGE SCIENCE CLASSES OFFERED IN SCHOOLS.
EDUCATION IS IMPORTANT
SO IMPORTANT FOR KIDS
FAMILY ORIENTED
EDCATIONAL
GETTING OVER FEAR
GOOD KNOWLEDGE
LEARN NEW STUFF.
RESPECT SMALL CREATURES MORE.
LEARN MORE
THE FUTURE
LEARNING FOR THE FUTURE
GET KIDS ENGAGED IN SCIENCE EARLY
FOR THE CHILDREN TO LEARN

IT'S NICE TO SEE DIFFERENT THING ON OUR EARTH.
INFORMATIVE, LEARNING EXPERIENCE
TO EDUCATE THE MASSAGES
THEY ARE VERY INTERESTING. I HAD NO IDEA THERE WERE SO MANY KINDS OF ARACHNIDS.
EDUCATE ABOUT THINGS THAT CAN BE SCARY
YES, YOU CAN LEARN MORE NEW THINGS
HELP THE KIDS LEARN
TO LEARN
MOST CHILDREN ARE MORE INTERESTED IN TECHNOLOGY IT'S GOOD TO BE INTERESTED IN SCIENCE.
TO EDUCATE THEM
TO LEARN MORE ABOUT OUR WORLD
ACCESS TO ALL AGES, DEMOGRAPHIC GROUPS
BECAUSE KNOWLEDGE IS IMPORTANT AND FUN EXHIBITS ARE A GREAT WAY TO ENGAGE FAMILIES IN LEARNING NEW THINGS
WE NEED MORE EDUCATION
VERY INFORMATIVE
EDUCATION
TO HELP KIDS LOOK A BIOLOGY
KEEP'S FAMILY TOGETHER
TO HELP PEOPLE
LEARNING
AWARENESS
EDUCATE THE POPULATION
MORE EDUCATION ABOUT OR ECO SYSTEM
MORE HANDS-ON ACTIVITIES
ENGAGE GIRLS IN SCIENCE
THERE WILL BE MORE HANDS-ON ACTIVITIES
BECAUSE I FEEL WE SHOULD HAVE INTERACTIVE LEARNING AT ALL AGES.
YES, PROMOTE SCIENCE EDUCATION
KNOWLEDGE
EVERYONE DESERVES AN OPPORTUNITY TO LEARN ABOUT SCIENCE & INTERESTING THINGS THAT SURROUND US
VERY IMPORTANT FOR CHILDREN TO EARN THINGS OF THIS SORT
NEED TO KNOW
TO BE COMFORTABLE WITH SCIENCE
MAKES LEARNING FUN FOR KIDS
VERY COOL
EXPANDS THE MIND
FOR KIDS TO LEARN MORE
KIDS LEARN BETTER HANDS ON
TO EDUCATE COMMUNITY CHILDREN

MANY PEOPLE DON'T HAVE ACCESS
VERY INFORMATIVE
IT'S ENGAGING & A FUN WAY TO LEARN
EDUCATION AVAILABLE TO THE PUBLIC INCREASES SOCIAL KNOWLEDGE
FUN
BROADEN KNOWLEDGE OF ARACNIDS
EDUCATIONAL
MY CHILDREN WERE VERY SCARED OF SPIDERS. NOW NOT SO MUCH.
KIDS APPEAR INTERESTING & ENGAGE
BECAUSE IT IS IMPORTANT.
KNOWING IS HALF THE BATTLE
GIVES US BETTER UNDERSTANDING
INFORMED PEOPLE ARE GREAT!
EDUCATIONAL
GOOD EDUCATION
LEARNING IS ALWAYS GREAT
HELPFUL TO UNDERSTAND DIFFERENT TYPES OF SPIDERS & TO LEARN HOW TO RECOGNIZE
FUN & INFORMATIVE
TO EXPOSE THE COMMUNITY TO DIFFERENT THINGS TO LEARN ABOUT!
SO WE CAN STOP KILLING THEM.
EDUCATING OUR CHILDREN IS VERY IMPORTANT
SPREAD KNOWLEDGE
AMAZING!
ITS FUN AND EDUCATIONAL
BRINGS THE FAMILY TOGETHER
BETTER FOR KIDS LEARNING
IT NEVER HURTS TO LEARN MORE
LEARN BY DEMO
GREAT-I LIKE HOW INTERACTIVE THIS WAS!
HELPS LEARN MORE ABOUT SPIDERS
SO KIDS CAN LEARN
MAKES LEARNING FUN
FUN LEARNING
EDUCATION
EDUCATION
GREAT INTERACTIVE EDUCATION
I GREAT INTRODUCTION TO SCIENCE & ARACHNIDS
SCIENCE EDUCATION
TO EDUCATE OTHERS
KNOWLEDGE IS POWER
KNOWLEDGE IS AWESOME

KNOWLEDGE IS POWER

**Gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	67	28.0	36.2	36.2
	Female	118	49.4	63.8	100.0
	Total	185	77.4	100.0	
Missing	System	54	22.6		
Total		239	100.0		

**Age**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than 25	31	13.0	16.9	16.9
	25-34	65	27.2	35.5	52.5
	35-44	66	27.6	36.1	88.5
	45-54	15	6.3	8.2	96.7
	55-64	3	1.3	1.6	98.4
	65 or older	3	1.3	1.6	100.0
	Total	183	76.6	100.0	
Missing	System	56	23.4		
Total		239	100.0		

**White**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	116	48.5	99.1	99.1
	2	1	.4	.9	100.0
	Total	117	49.0	100.0	
Missing	System	122	51.0		
Total		239	100.0		

**Black**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	15	6.3	100.0	100.0
Missing	System	224	93.7		
Total		239	100.0		

**Asian**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	21	8.8	100.0	100.0
Missing	System	218	91.2		
Total		239	100.0		

**American Indian**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	10	4.2	100.0	100.0
Missing	System	229	95.8		
Total		239	100.0		

**Native Hawaiian**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	2	.8	100.0	100.0
Missing	System	237	99.2		
Total		239	100.0		

**Other**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	35	14.6	100.0	100.0
Missing	System	204	85.4		
Total		239	100.0		

**Other, specify:**

BROWN	1
HIS.	1
HISPANIC	27
HISPANIC AMERICAN	1
HISPANIC.	1
HISPANO	1
LATIN	1
LATINA	2
LATINO	1

LATINO,	1
MEXICAN	1
NEGRO	1
RATHER NOT SAY	1
SPANISH	1
TWO OR MORE	1

**Additional comments**

EXCELLENT EXHIBIT!
VERY ENJOYABLE
LOVE FREE DAYS. HELP WHEN YOU HAVE A BIG FAMILY :)
GREAT!
GREAT USED SO MANY SENSES. LEARNED SO MUCH! TWO FOUR YEAR OLDS ENJOYED THIS!
IT WAS FUN!
MY GRAND KIDS WERE VERY INTERESTED.
JUST A TOUCH CROWDED :)
LOVED THE APPLESAUCE
GREAT JOB!
GREAT JOB -STAFF WAS GREAT -ENGAGING!
HAD A LOT OF FUN
SCORPIONS ARE ULTRAVIOLET!
THIS IS A FANTASTIC EVENT. MY 5 YR OLD BUG LOVER WAS AMAZED BY IT ALL. MY 9 YR OLD SAID, "MOM I LEARNED SO MUCH." THE FACTS, THE CRAFTS, THE EXHIBITS--GREAT!!
ELIJAH & KRISTALE ARE THE BESTEST
THIS WAS WONDERFUL! BUT I AM STILL SCARED OF SPIDERS! HA
FAMILY LOVED IT THANK YOU!!
THANK YOU
THANKS.
THANK YOU!
THEY WERE REALLY GREAT. MY SONS LEARNED A LOT
THIS WAS AWESOME
WHAT AN AMAZING EXHIBIT! LOVED IT :)
THANK YOU GUYS 4 THE ACTIVITY OF LEARNING ANIMALS SO SMALL. [SIGNED NAME]
LOVE THAT SOMETHING NEW WAS TAUGHT.THANK YOU!!
THANK YOU!
I THOUGHT THAT THIS WAS A VERY INFORMATIVE & INTERESTING EXHIBIT
THANK YOU!
N/A
VERY ENJOYABLE!
GREAT EXHIBIT
GREAT EXHIBITS!

LOVED IT!
WE ARE VERY GRATEFUL TO HAVE THIS KIND OF ACTIVITIES, SPONSORED BY THE DIFFERENT ORGANIZATIONS, FOR EDUCATION PURPOSES. THANK YOU
EVERYONE VERY FRIENDLY!
GREAT JOB!
COOL DAY THANX
THANK YOU FOR THE EXPERIENCE :)
GREAT JOB! GRACIAS :)
N/A
HAD A WONDERFUL TIME!
NONE
WE LOVE ALL THE INTERACTIVE ACTIVITIES AND THE VOLUNTEERS ARE GREAT!
GREAT JOB!
LOVED IT! THOUGHT IT WAS A GREAT WAY FOR MY 7 & 4 YR. OLD TO BE ENGAGED ABOUT SPIDERS, PLUS HAVE NOT BEEN HERE IN YEARS! WILL BE GETTING A MEMBERSHIP!
GREAT JOBE
:)
USE SHOULD DO ACTIVITIES MORE OFTEN
THANK YOU!
VERY AWESOME AND LOOKING FORWARD TO COME HERE OFTEN.
THANKS SO MUCH FOR DOING THIS! MY DAUGHTER LOVED HOLDING THE VINAGAROO
VERY FUN!
THIS WAS A WONDERFUL ACTIVITY THANK YOU!!
QUESTIONS 5-9 ARE NOT REPRESENTATIVE ANSWERS SINCE I AM BOTH A SCIENTIST AND MARRIED TO A MUSEUM EDUCATOR WHO IS MAD ABOUT ARACHNIDS.
THIS WAS FUN!
GREAT JOB!
NONE
THANKS SO MUCH TO ALL THE VOLUNTEERS!
IT WAS GOOD
THANK YOU!
FANTASTIC EXHIBIT!
I'M A PRESCHOOL TEACHER AND WOULD LOVE TO HAVE SOMETHING LIKE THIS AVAILABLE TO MY STUDENTS
GREAT EXHIBIT, THANK YOU!
THANK YOU!
VERY EDUCATIONAL AND ENGAGING. THIS ACTIVITY WAS SOMETHING THE WHO FAMILY ENJOYED AND LEARNED FROM
EXCELLENT!



## Appendix D: Child Exit Survey Frequencies

Morrill Hall 2014

### Create a chelicerate

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	1	2.4	4.5	4.5
	A little	5	11.9	22.7	27.3
	A lot	16	38.1	72.7	100.0
	Total	22	52.4	100.0	
Missing	System	20	47.6		
Total		42	100.0		

### Build a burrow

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	A little	4	9.5	25.0	25.0
	A lot	12	28.6	75.0	100.0
	Total	16	38.1	100.0	
Missing	System	26	61.9		
Total		42	100.0		

### Sticky vs. wooly silk

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	3	7.1	16.7	16.7
	A little	4	9.5	22.2	38.9
	A lot	11	26.2	61.1	100.0
	Total	18	42.9	100.0	
Missing	System	24	57.1		
Total		42	100.0		

**Weave a web**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	2	4.8	9.1	9.1
	A little	8	19.0	36.4	45.5
	A lot	12	28.6	54.5	100.0
	Total	22	52.4	100.0	
Missing	System	20	47.6		
Total		42	100.0		

**Microscope madness**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	4	9.5	12.1	12.1
	A little	9	21.4	27.3	39.4
	A lot	20	47.6	60.6	100.0
	Total	33	78.6	100.0	
Missing	System	9	21.4		
Total		42	100.0		

**Path of predators activity booklet**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	3	7.1	8.3	8.3
	A little	9	21.4	25.0	33.3
	A lot	24	57.1	66.7	100.0
	Total	36	85.7	100.0	
Missing	System	6	14.3		
Total		42	100.0		

**Community Experiment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	22	52.4	56.4	56.4
	A little	2	4.8	5.1	61.5
	A lot	1	2.4	2.6	64.1
	Did not visit	14	33.3	35.9	100.0
	Total	39	92.9	100.0	
Missing	System	3	7.1		
Total		42	100.0		

**Do you want to learn more about spiders?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	36	85.7	87.8	87.8
	No	5	11.9	12.2	100.0
	Total	41	97.6	100.0	
Missing	System	1	2.4		
Total		42	100.0		

**Do you want to learn more about science?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	39	92.9	97.5	97.5
	No	1	2.4	2.5	100.0
	Total	40	95.2	100.0	
Missing	System	2	4.8		
Total		42	100.0		

**Do you want to do your own research at home?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	30	71.4	73.2	73.2
	No	11	26.2	26.8	100.0
	Total	41	97.6	100.0	
Missing	System	1	2.4		
Total		42	100.0		

**When you grow up, do you want a job in science?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	26	61.9	66.7	66.7
	No	13	31.0	33.3	100.0
	Total	39	92.9	100.0	
Missing	System	3	7.1		
Total		42	100.0		

**How old are you?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	5	11.9	12.2	12.2
	5	7	16.7	17.1	29.3
	6	4	9.5	9.8	39.0
	7	5	11.9	12.2	51.2
	8	5	11.9	12.2	63.4
	9	4	9.5	9.8	73.2
	10	5	11.9	12.2	85.4
	11	3	7.1	7.3	92.7
	14	3	7.1	7.3	100.0
	Total	41	97.6	100.0	
Missing	System	1	2.4		
Total		42	100.0		

**Gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	20	47.6	50.0	50.0
	Female	20	47.6	50.0	100.0
	Total	40	95.2	100.0	
Missing	System	2	4.8		
Total		42	100.0		

Denver Museum

**Create a chelicerate**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	14	9.3	11.8	11.8
	A little	23	15.3	19.3	31.1
	A lot	82	54.7	68.9	100.0
	Total	119	79.3	100.0	
Missing	System	31	20.7		
Total		150	100.0		

**Tissue paper flower**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	22	14.7	18.8	18.8
	A little	36	24.0	30.8	49.6
	A lot	59	39.3	50.4	100.0
	Total	117	78.0	100.0	
Missing	System	33	22.0		
Total		150	100.0		

**Assemble an arachnid**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	20	13.3	16.1	16.1
	A little	25	16.7	20.2	36.3
	A lot	79	52.7	63.7	100.0
	Total	124	82.7	100.0	
Missing	System	26	17.3		
Total		150	100.0		

**Path of predators booklet**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not much or not at all	8	5.3	6.2	6.2
	A little	25	16.7	19.4	25.6
	A lot	96	64.0	74.4	100.0
	Total	129	86.0	100.0	
Missing	System	21	14.0		
Total		150	100.0		

**Want to learn more about spiders**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	122	81.3	83.0	83.0
	No	25	16.7	17.0	100.0
	Total	147	98.0	100.0	
Missing	System	3	2.0		
Total		150	100.0		

**Want to learn more about science**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	134	89.3	91.8	91.8
	No	12	8.0	8.2	100.0
	Total	146	97.3	100.0	
Missing	System	4	2.7		
Total		150	100.0		

**Want a job in science**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	83	55.3	57.6	57.6
	No	61	40.7	42.4	100.0
	Total	144	96.0	100.0	
Missing	System	6	4.0		
Total		150	100.0		

**Age**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	6	4.0	4.1	4.1
	4	7	4.7	4.8	8.9
	5	6	4.0	4.1	13.0
	6	15	10.0	10.3	23.3
	7	16	10.7	11.0	34.2
	8	15	10.0	10.3	44.5
	9	14	9.3	9.6	54.1
	10	20	13.3	13.7	67.8
	11	9	6.0	6.2	74.0
	12	11	7.3	7.5	81.5
	13	6	4.0	4.1	85.6
	14	4	2.7	2.7	88.4
	15	1	.7	.7	89.0
	16	2	1.3	1.4	90.4
	17	3	2.0	2.1	92.5
	20	2	1.3	1.4	93.8
	22	1	.7	.7	94.5
	27	1	.7	.7	95.2
	35	1	.7	.7	95.9
	38	1	.7	.7	96.6
40	2	1.3	1.4	97.9	
43	1	.7	.7	98.6	
45	1	.7	.7	99.3	
54	1	.7	.7	100.0	
	Total	146	97.3	100.0	
Missing	System	4	2.7		
	Total	150	100.0		

**Gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	69	46.0	47.6	47.6
	Female	76	50.7	52.4	100.0
	Total	145	96.7	100.0	
Missing	System	5	3.3		
Total		150	100.0		

**Other comments:**

This was a wonderful learning experience, the staff are all wonderul people! I hope you guys come again.
I liked all the people working at all the tables.
I like George. This was fun! Thank you.
I like ever thing.
I love science.
I liked to see the real kind alive & preserved.
I like waching insicts.
That I loved to do this.
I don't know if cooking is science.
I enjoyed how I got to see many arachnids I never knew about. This was really cool!
It was fun
I loved this activity. It was an amazing family fun activity.
no more comments.
it would be great to offer this to members, not just for day. Thanks.
I love it!
Spiders are creepy!!
Like spiders and this was fun!
no
soo fun!!!
Not now!
Fun, learned a lot!
nope...
I want to be a scientist to look at insects.
I want to be science when I grow up.
no
Spiders crawl w/ lots of legs!
I would not touch a spider unless it was dead.
I had trantulas [tarantulas] and would love to see a pecock spider.
none
It was totally educational. I loved it. I learned so much.
it was fun & interesting!



## Appendix E: Volunteer Survey Frequencies

### Morrill Hall 2014

#### Another outreach event

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	The same	9	19.1	19.1	19.1
	More likely	17	36.2	36.2	55.3
	Much more likely	21	44.7	44.7	100.0
	Total	47	100.0	100.0	

#### Go into science career

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	1	2.1	2.1	2.1
	The same	28	59.6	59.6	61.7
	More likely	5	10.6	10.6	72.3
	Much more likely	13	27.7	27.7	100.0
	Total	47	100.0	100.0	

#### Go into education career

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	1	2.1	2.1	2.1
	Less likely	2	4.3	4.3	6.4
	The same	31	66.0	66.0	72.3
	More likely	6	12.8	12.8	85.1
	Much more likely	7	14.9	14.9	100.0
	Total	47	100.0	100.0	

#### Conveying science to the general public

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less interested	1	2.1	2.1	2.1
	The same	4	8.5	8.5	10.6
	A little more interested	23	48.9	48.9	59.6
	Much more interested	19	40.4	40.4	100.0
	Total	47	100.0	100.0	

**Easier or harder**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Easier	18	38.3	39.1	39.1
	The same	22	46.8	47.8	87.0
	Harder	6	12.8	13.0	100.0
	Total	46	97.9	100.0	
Missing	System	1	2.1		
Total		47	100.0		

**In what ways could your experience with this be improved?**

A CHAIR
EVENT WENT VERY WELL. FASTER DRYING GLUE WOULD HAVE BEEN HELPFUL AT OUR STATION
HAVE THE MICROSCOPES HAVE ONE SPECIMEN PER SCOPE SO THERE'S NOT A BUNCH OF THINGS LAYING AROUND
I LIKED THIS STATION! FOOD WOULD BE NICE, BUT REALLY NOT A NECESSITY
I THINK IT WAS RUN EXCELLENTLY! I THINK THAT EVERYONE LEARNED A LOT.
I THINK IT WAS WONDERFUL AS IT IS.
I THOUGHT IT WAS GREAT!
I THOUGHT IT WENT REALLY WELL
IT WAS GREAT
KIDS
MAKE OUR ROOM EASIER TO FIND (CATCH A MOTH)
MAKE SURE EDUCATION/SCIENCE IS PUSHED
MORE ORGANIZATION OF ORDER THE DISPLAYS ARE APPROACHED, MORE TIME BETWEEN GROUPS.
MORE ORGANIZED/ORDER THINGS
MORE RELEVANT BACKGROUND INFORMATION
MORE STATIONS-LESS WAIT TIME MORE HEADLAMPS & SPARE BATTERIES
N/A
NO IDEA
NO IMPROVEMENTS (MAYBE PROVIDE FOOD)
NONE IT WAS GREAT!
NONE, WENT WELL!
NOTHING FOR ME I LOVED HAVING THE ANIMALS AT MY STATION
NOTHING I HAD A GREAT EXPERIENCE
POSSIBLY ARE MORE VOLUNTEER? SOMETIMES DURING A RUSH IT WAS HARD TO TALK TO EVERYONE
PRE-MADE TOOLS

PREMADE TOOLS?
PREPARE SOME THINGS AHEAD OF TIME
THE KIDS SEEMED MORE FOCUSED ON GETTING ALL THEIR STAMPS THAN LEARNING AT OUR STATION
VOLUNTEER COULD BE BETTER INFORMED BEFOREHAND

**Favorite part?**

AGE RANGE OF PARTICIPANTS
BEING ABLE TO INTERACT WITH THE INTERESTED KIDS-ALSO WALKING AROUND & LOOKING @ EVERYTHING
CONVEYING KNOWLEDGE TO GUESTS
GETTING TO TALK TO THE KIDS WHO WERE SCARED OF SPIDERS AT FIRST
GIVING TEMPORARY TATTOOS
HELPING THE KIDS BY ANSWERING THEIR QUESTIONS
HOW EXCITED SOME KIDS SEEM
HOW INTERACTIVE IT WAS FOR EVERYONE
I LOVED INTERACTING WITH THE ADULTS & CHILDREN- ALL SEEMED EQUALLY ENGAGED
INTERACTING W/ THE KIDS
INTERACTING WITH THE KIDS
JUST SEEING YOUNG KIDS GET REALLY INTERESTED IN SCIENCE & SOMETHING NEW
KID'S ENTHUSIASM.
KIDS
KIDS PICKING OUT THE CORRECT SIDE
LITTLE KIDS REACTIONS
MEETING & INTERACTING WITH MANY KIDS
SEEING HOW EXCITED THE KIDS WERE
SEEING KIDS FACES LOOKING THROUGH THE MICROSCOPES
SEEING KIDS LEARN & ENJOY SCIENCE
SEEING PARENTS LEARN AS MUCH AS THEIR KIDS
SEEING THE CHILDREN GET EXCITED
SEEING THE KID'S REACTIONS TO THE TARANTULAS
SOME CHILDREN ARE AWESOME & DEMISTIFYING THINGS W/ ADULTS
TALKING ABOUT AMBLYPIGILS
TALKING TO KIDS
TALKING WITH ALL THE KIDS!
TALKING WITH THE KIDS AND ENGAGING THEM.
TALKING/ TEACHING
TEACHING KIDS ABOUT SCIENCE & LEARNING MORE ABOUT THE TICK
TELLING THE KIDS HOW FUNNEL WEAVERS FEED

THE KIDS
THE KIDS THOUROUGHLY ENJOYED THE EXPERIENCE
THE KIDS' REACTIONS
WATCHING THE KIDS GET EXCITED ABOUT LEARNING.
WHEN KID'S PARENTS LEARN SOMETHING NEW!
WHEN KIDS ASKED IF THEY COULD DO THE ACTIVITY A SECOND TIME
WORKING HANDS ON WITH CHILDREN!
WORKING TOWARD FACING MY FEAR OF SPIDERS

**Did you learn anything new?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	11	23.4	26.8	26.8
	Yes	30	63.8	73.2	100.0
	Total	41	87.2	100.0	
Missing	System	6	12.8		
Total		47	100.0		

**What did you learn?**

A LOT OF NEW INFORMATION ABOUT SPIDERS.
ABOUT SCHIZOMIDA
ALL ABOUT PALPIGRADI
ALL SCORPIONS GLOW UNDER BLACKLIGHT.
ANALOGIES AND METAPHORS ARE CRUCIAL
BLACK WIDOWS AND BROWN RECLUSES ARE THE ONLY DANGEROUS SPIDERS IN THE U.S.
BOLAS SPIDER
BOLAS SPIDERS ARE SKILLED HUNTERS. YOUNG KIDS LOVE A GOOD CHALLENGE
EVERYTHING ABOUT OPILIONES
HOW DIFFERENT SPIDERS MAKE DIFFERENT WEBS
HOW TO PRONOUNCE ARACHNID ORDERS!
HOW TO TEACH SCIENCE TO YOUNGER AUDIENCES
I HAVE VERY LITTLE EXPERIENCE WITH ARACHNIDS SO I WAS LEARNING A LOT
I KNEW VERY LITTLE ABOUT SPIDERS SO I LEARNED A LOT
I LEARNT ABOUT WHIPS OF THE ARACHNID.
KIDS
LIFECYCLE/INTERESTING FACTS ABOUT THE TICK
MORE ABOUT SPIDERS!
ORB WEAVERS USE SILK TO CATCH MOTHS AFTER ATTRACTING THEM WITH PHEREMONES

SOME PEOPLE ARE REALLY INTERESTED BUT NOT EVERYONE WANTS TO HEAR WHAT YOU HAVE TO SAY
SOME SPECIFIC FACTS ABOUT AN ARACHNID.
SPIDERS BUILD THEIR HOUSE UNDER THE GROUND
SPIDERS CHANGE COLOR & HAVE DIFFERENT WEBS
SPIDERS!
THAT SPIDERS CAN CHANGE COLOR
THAT THERE ARE A LOT OF DIFFERENT ARACHNIDS
THE GENERAL PUBLIC IS INTERESTED IN SUCH A FUN EVENT!
THE KIDS ARE WILLING TO LISTEN TO SCIENTIFIC FACTS MORE THAN I PREVIOUSLY THOUGHT.
THE RANGE OF DIVERSITY PRESENT
WOLF SPIDERS ARE COOL!! KIDS HAVE NO PROBLEM WITH PREDICTIVE EXPERIMENTS

**What surprised you the most?**

A LOT MORE PEOPLE THAN I THOUGHT THERE WOULD BE.
AMOUNT OF PEOPLE AND PARTICIPATION
AMOUNT OF PEOPLE ATTENDING
ATTENDANCE WAS REALLY HIGH
HOW BUSY IT WAS!
HOW DISINTERESTED SOME KIDS WERE COMPARED TO OTHERS
HOW ENTHUSED ALL THE GUESTS WERE & HOW OPENLY WE COULD DISCUSS SCIENCE!
HOW ENTHUSIASTIC ALL OF THE PARTICIPANTS WERE.
HOW FUN IT WAS TO INTERACT W/KIDS
HOW MANY DIFFERENT STATIONS THERE WERE
HOW MANY PEOPLE CAME
HOW MANY PEOPLE SHOWED UP
HOW MUCH KIDS ARE FASCINATED BY ANIMALS AND EVEN THE PARENTS GET INTO IT.
HOW POPULAR IT WAS
HOW SLOW IT WAS AT OUR STATION
KIDS
KIDS' KNOWLEDGE
LOTS OF ADULTS CAME THROUGH BY THEMSELVES
LOTS OF PEOPLE
N/A
N/A-SAME AS LAST YEAR I AM PLEASANTLY SURPRISED BY PARENTS THAT ASK QUESTIONS TOO, SAD WHEN THEY THINK THEY'RE GROSS
NOTHING
NUMBER OF VISITORS, ENTHUSIASM.
RESPONSE TO MY STATION: IT WAS BUSY ALL THE TIME.

SOME OF THE KIDS ASKED VERY GOOD QUESTIONS ABOUT SPIDERS AND/OR ALREADY NEW A LOT ABOUT SOME SPIDERS
SOME OF THE RESPONSES BY THE KIDS WERE MORE INSIGHTFUL THAN I THOUGHT.
THE HIGH # OF PEOPLE WHO CAME FOR SO LONG
THE KIDS WERE MOSTLY COMPLETELY COOL WITH SPIDERS
THE NUMBER OF KIDS ATTENDING
THE NUMBER OF VOLUNTEERS WAS IMPRESSIVE & THE NUMBER OF ATTENDEES WAS MORE THAN EXPECTED
THE SCOPE! THERE WERE MANY MORE PEOPLE THAN I EXPECTED
THE TURNOUT WAS WONDERFUL!
THERE WERE MANY PEOPLE, THE CONCEPTS WERE VERY EASY TO EXPLAIN & UNDERSTAND.
TURN OUT AND LEVEL OF PARTICIPATION
WASN'T AS CRAZY AS I THOUGHT STILL BUSY
WORKING WITH LIVE SPIDERS

**Rate overall experience**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	4	8.5	8.9	8.9
	4	15	31.9	33.3	42.2
	The best	26	55.3	57.8	100.0
	Total	45	95.7	100.0	
Missing	System	2	4.3		
Total		47	100.0		

**What station did you work at?**

ACATA	1
AMBLYPIGILS	1
AMBLYPOYGI	1
ARANEAE	1
ASSEMBLE ARACHNI AND WEAVE	1
ASSEMBLING AN ARACHNID	1
ASSEMBLING ARACHNIDS	1
AWESOME TELEPH.	1
BUILD A BURROW	3
BUILD BURROWS	1
BUILDING A BURROW	1
CATCH A MOTH	3

COMM EXP	1
COMMUNITY EXPERIMENT	3
CREATE A CHELICORATE	1
CRIBELLATE/ECRIBELLATE	1
CRILLIBATE VS ECRIBILLATE	1
MICROSCOPE MADNESS	3
MICROSCOPES	1
OPILIONES	2
PALPIGRADI	2
PAPER FLOWERS/YARN WEBS	1
PATH OF PREDATORS SOLFIFUGAE	1
PATH OF PREDATORS: ARANAE	1
PSUEDOSCORPION	1
RICINIDE:	1
RICINULEI	2
SCHIZOMIDA	2
SCORPIONES	1
THELGPHOMIDA	1
TISSUE PAPER FLOWERS	2
WEBS	1
WHAT'S AN ARTHROPOD?	1

**Sufficient information**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	44	93.6	95.7	95.7
	No	2	4.3	4.3	100.0
	Total	46	97.9	100.0	
Missing	System	1	2.1		
Total		47	100.0		

**What information would have been helpful?**

A MORE SOLID INTRO TO MAKE PEOPLE INTERESTED I GUESS
I KNEW SOME ABOUT SPIDERS BUT NOT ENOUGH ABOUT SOME, SO I LET OTHERS TAKE THE LEAD ON THOSE- HOW THEY CATCH PREY, WHERE THEY LIVE, COMMON NAMESAS
I KNEW WHAT I NEEDED BEFOREHAND BUT NOT BECAUSE I WAS TOLD

INFORMATION ABOUT THE BACKGROUND OF SPIDERS
KIDS
MAYBE LABELS FOR ALL THE LIVE SPIDERS?
N/A
PRACTICAL TRAINING IN SPIDERS WOULD BE HELPFUL

**Gender**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Male	20	42.6	42.6	42.6
Female	27	57.4	57.4	100.0
Total	47	100.0	100.0	

**Age**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Less than 25	26	55.3	55.3	55.3
25-34	19	40.4	40.4	95.7
35-44	2	4.3	4.3	100.0
Total	47	100.0	100.0	

**Denver Museum**

**Volunteer at another outreach event**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid The same	14	35.0	35.0	35.0
More likely	5	12.5	12.5	47.5
Much more likely	21	52.5	52.5	100.0
Total	40	100.0	100.0	

**Go into a science career**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Much less likely	1	2.5	3.0	3.0
Less likely	3	7.5	9.1	12.1
The same	25	62.5	75.8	87.9
More likely	2	5.0	6.1	93.9
Much more likely	2	5.0	6.1	100.0
Total	33	82.5	100.0	
Missing System	7	17.5		
Total	40	100.0		



**Go into an education career**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less likely	2	5.0	5.7	5.7
	Less likely	4	10.0	11.4	17.1
	The same	26	65.0	74.3	91.4
	More likely	3	7.5	8.6	100.0
	Total	35	87.5	100.0	
Missing	System	5	12.5		
Total		40	100.0		

**Interested in conveying science to general public**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less interested	2	5.0	5.1	5.1
	The same	7	17.5	17.9	23.1
	A little more interested	13	32.5	33.3	56.4
	Much more interested	17	42.5	43.6	100.0
	Total	39	97.5	100.0	
Missing	System	1	2.5		
Total		40	100.0		

**Easier or harder than thought before to convey science to a general audience**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Easier	19	47.5	48.7	48.7
	The same	17	42.5	43.6	92.3
	Harder	3	7.5	7.7	100.0
	Total	39	97.5	100.0	
Missing	System	1	2.5		
Total		40	100.0		

**What could be improved?**

IT WAS EXCELLENT
THE BOLAS SPIDER STATION COULD HAVE A SIGN OR SOME PICTURES OF THE SPIDER. MORE INFO IN SPANISH.
PERHAPS MORE INTERACTION WITH OTHERS AND A CHANCE TO WORK DIFFERENT STATIONS.

N/A
I THINK THE EVENT WAS ORGANIZED IN A MANNER THAT GETS KIDS ATTENTION.
IT WAS AWESOME
HAVE A LITTLE MORE TIME TO GET TO KNOW THE OTHER VOLUNTEERS I.E. A GETTING TO KNOW YOU EXERCISE
GENERAL INFORMATION SHEET ABOUT MUSEUM (HOURS, LAYOUT)
BIGGER SPACE
NOTHING
NONE
NONE, VERY GOOD EXCEPT IT WAS SUPER NICE THAT BREAKFAST WAS PROVIDED BUT I DON'T KNOW IF IT WAS MENTIONED IN THE EMAIL
MORE TIME TO PREP STATION
A LITTLE MORE TRAINING ON THE STATION
N/A
MORE INSTRUCTION CARDS AT FLOWER MAKING
WATERBOTTLES
NOT SURE, IT WENT VERY SMOOTHLY
BOXES W/ MODELS NEED TO BE EYE LEVEL W/ SMALL CHILDREN
KNOWING THE TABLE OR TOPIC BEFORE OR MAKE THE TRAINING ABOUT MY ASSIGNED ARACHNID!
WATER BOTTLES @ VOLUNTEER STATION
HAVE ARROWS WITH A SET PATH FOR KIDS TO FOLLOW
A BIT MORE TRAINING
MOVE AFTER THE ADULT AUDIENCE
NONE. PROVIDE WATER BOTTLE RIGHT AWAY.
WARNING ABOUT THE PARKING DISASTER
NONE-WELL ORGANIZED AND FUN FOR VOLUNTEERS
N/A
DID A GREAT JOB! REALLY EASY AND FUN TO SIGN UP AND HELP.
BETTER PREP/INTRO.

**What was your favorite part?**

INTERACTING W/ KIDS & THEIR FAMILIES
EVERYTHING
LEARNING NEW THINGS ABOUT WHAT WE WERE SHOWING, IN THIS CASE SPIDERS.
EXPIRENCING THE REACTIONS OF VISITORS
SEEING THE FACES OF THE KIDS AND HAVING LIVE SPECIMENS.
LIVE ANIMALS
JUST BEING ABLE TO VOLUNTEER & SEE THE PEOPLES FACES WHEN THEY LEARN SOMETHING NEW
WORKING WITH PATIENT, RESPECTFUL PEOPLE
WORKING WITH THE KIDS!

LEARNING ABOUT ARACHNIDS
MEETING PEOPLE
LEARNING ABOUT ARAHNEAS
INTERACTING W/ PEOPLE
SHOWING THE SPIDERS TO KIDS AND ASKING THEM QUESTIONS
INTERACTION WITH THE GUEST
LEARNING ABOUT ARACHNIDS AND CONVEYING MY VERY BASIC, NEW-FOUND KNOWLEDGE TO THE ATTENDEES
EXCITED KIDS
INTERACTING WITH PEOPLE
INTERACTION WITH THE KIDS & GETTING THEM EXCITED
INTERACTIVE ACTIVITIES
INTERACTING WITH A DIVERSE GROUP OF FAMILIES
SEEING THE EXCITMENT ON PEOPLE'S FACES WHILE LEARNING
THE EXCITEMENT ON THE FACES OF THE KIDS AS THEY LEFT. THEY HAD A BLAST!
TALKING :)
BEING AROUND ADULTS AND CHILDREN WHO ENJOY LEARNING!
THE STAMP BOOK
THE KIDS
WORKING WITH ARACHNIDS
TALKING TO KIDS
TALKING TO KIDS
INTERACTION WITH KIDS
TALKING TO KIDDOS
INTERACTION WITH KIDS
THE LIVE TARANTULAS
THE COLORING TABLE - MODEL SAND INTERACTION.
SPIDERS! :)

**Learn new**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	3	7.5	7.5	7.5
	Yes	37	92.5	92.5	100.0
	Total	40	100.0	100.0	

**Learn new: what**

A LOT ABOUT ALL THESE CRETERS THAT I DIDN'T KNOW
ABOUT THE BOLAS SPIDER -THAT THERE ARE 11 ORDERS OF ARACHIDA
A LOT OF NEW FACTS ABOUT SPIDERS.
THE STRUCTURE AND PARTICULARS OF SEVERAL SPECIES OF SPIDER

CHILDREN LOVE TO SEE THE ANIMAL MOVE.
SCORPIONS GIVE LIVE BIRTH
TO HAVE MORE PATIENCE.
MORE ABOUT SPIDERS
BASIC FEATURES ABOUT ARACHNIDS
SPIDER/ARACHNID INFO
THAT THEY HAD TWO BODY PARTS
BROWN RECLUSES DON'T LIVE IN CO.
SPIDERS DON'T HAVE PENIS
KINGDOM, PHYLLUM, CLASS, ORDER, FAMILY, GENUS, SPECIES, BASIC ARACHNID KNOWLEDGE, WHAT AN ARTHROPOD IS
THERE ARE MORE ARACHNIDS THAN I KNEW!
MORE ABOUT ARACHNIDS THAT I KNEW PREVIOUSLY
ARACHNIDS (MOST) CANNOT CHEW THEIR FOOD; THEY BREAK THEM DOWN OUTSIDE OF THEIR BODY
ABOUT CRAB SPIDERS
NAMES OF MOUTH PARTS REPRODUCTIVE TECHNIQUES
MORE ABOUT SPIDERS!
LOTS - MORE ABOUT FAMILIES OF ARACHNID
ABOUT OTHER ARACHNIDS (BESIDES SPIDERS ARANAE)
REALLY ENJOYED THE PRESENTATION OVERVIEW BEFORE THE SHIFT
PRETTY MUCH EVERYTHING ABOUT ARACHNIDS
ALL ABOUT OPCIONES
HOW HARD IT IS & HOW FUN
ABOUT MY GROUP OF ARACHNIDA
DADDY LONG LEGS ARE NOT SPIDERS
MORE ABOUT THE GENUS
WHAT A PALPAGRADI IS
ALOT MORE ABOUT ARACHNIDS
1) NO BROWN R'S IN CO, 2) TARANTULAS EJECT THEIR HAIR, 3) A LOT MORE
A LOT ABOUT SPIDERS AND LOVED SPEAKING W/ PAULA--SHE WAS FANTASTIC & FUN!
WHY THERE ARE RECLUSES-HITCHHIKERS

**What surprised?**

THE DIVERSITY OF FAMILIES THAT COME TO VISIT THE MUSEUM
THE AMOUNT OF PPL.
MORE FRIENDLY AND ENGAGING THAN I INITIALLY EXPECTED.
THE NUMBER OF VISITORS
THE AMOUNT OF PEOPLE THAT DON'T KNOW ABOUT ARACHNIDS.
THE AMOUNT OF PEOPLE
ITS THE 2ND TIME I'VE VOLUNTEERED FOR THIS EVENT & I LIKE THE ORGANIZATION & QUICK TRAINING THAT THERE WAS THIS TIME.

HOW BUSY IT WAS.
IT WAS CONSTANTLY BUSY!
# OF PEOPLE
HIGH TURNOUT
THE AMOUNT OF PEOPLE THAT CAME
ALL THE PEOPLE
HOW MANY PEOPLE CAME THROUGH AND HOW HAPPY KIDS ARE TO HAVE YOU LISTEN TO THEIR STORIES
THE ENGAGEMENT OF THE VOULNTEERS AND GUEST
HOW MANY PEOPLE ATTENDED
THE ENTHUSIASM OF THE VOLUNTEERS.
HOW EASY IT WAS WITH THE LARGE VOLUME OF KIDS.
HOW FAST THE SHIFT WENT BY.
THE SHEER NUMBER OF VISITORS
HOW MANY PEOPLE CAME
HOW EASY IT WAS TO GET PEOPLE INVOLVED AND EXCITED.
ORGANIZATION & PRESENTATION LOVELY
THE AMOUNT OF PEOPLE WHO COME TO SCFD FREE DAYS AT DMNS!
GREAT INTEREST IN SPIDERS FROM VOLUNTEERS & PUBLIC
THE KIDS WERE MUCH MORE INTERESTED THAN I THOUGHT
WONDERFUL CROWDS
NADA.
VISITORS' EXCITEMENT
NUMBER OF VISITORS
VERY WELL ORGANIZED
HOW MUCH FUN IT WAS
HOW MUCH I LEARNED!
HOW ENGAGED THE VISITORS WERE AND WANTING TO PARTICIPATE. THAT THE PARENTS HELPED AND ENJOYED THE DEMONSTRATION AND ACTIVITY
HOW OPEN PEOPLE WERE

**Rate overall experience**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	5.0	5.1	5.1
	4	14	35.0	35.9	41.0
	The best	23	57.5	59.0	100.0
	Total	39	97.5	100.0	
Missing	System	1	2.5		
Total		40	100.0		

**Station worked at**

ASSEMBLE AN ARACHNID
CATCH A MOTH
MICROSCOPE MADNESS
MICROSCOPE MADNESS
SCORPIONS, VINEGARROONS
SCORPIONS & VINEGARROONS
SCORPIONS
CRAFTS (PAPER FLOWERS)
CRAFTS
GREETING TABLE
GREETING TABLE
PRIZE
PRIZE TABLE
ARANAE
ACRIA (TICKS)
CREATE YOUR OWN ARACHNID
SOLFUGAE
CATCH A MOTH
CREATE AN ARACHNID
FLOWER MAKING
CREATE A CHELICERAE
CREATE A SPIDER/PRIZE TABLE
GREETING
SULFIGAE
RECOUULEI - THE STYROFOAM MODELS WITH VELCRO - CAME APART - COULD USE A DIFFERENT DESIGN
DADDY LONG LEGS SOLIFUGAE
EAT LIKE A BUG, SCORPIONS, AND CLAY BUGS
OPCIONES
SCHIZOMIDA
SCORPINS AND SHORT TAILED WIPED SCROPIANS
ACARI
OPILIONES/ACARI
PSUDOSCORPIANS & ARACHNID COLORING
AMBLYPIDID
PALPIGRADI
PALPAGRADI
ARANEAE
ASSEMBLE AN ANARACID
GREETING/ARANEAE (FULL DAY)

**Sufficient information**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	36	90.0	97.3	97.3
	No	1	2.5	2.7	100.0
	Total	37	92.5	100.0	
Missing	System	3	7.5		
Total		40	100.0		

**Additional information that would have been helpful**

5 MIN TO READ THRU MATERIALS BEFORE GOING TO THE TABLE
WHERE TO MEET.
GENERAL MUSEUM INFO AND SIGN FOR "COLLECT ALL 12" SPIDER CARDS SO PEOPLE KNOW WHAT TO COLLECT
MORE TIME TO READ
N/A
WHERE THESE SPIDERS LIVE.
MORE TIME TO FIGURE IT OUT
COULD HAVE HAD A SHORT 5 MIN UPDATE BEFORE PUBLIC CAME - BUT WAS OK
MORE INTRO LESS "MY NAME IS", FOR OTHERS (I ALREADY KNOW A LOT...)

**Gender**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	17	42.5	42.5	42.5
	Female	23	57.5	57.5	100.0
Total		40	100.0	100.0	

**Age**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than 25	7	17.5	17.5	17.5
	25-34	16	40.0	40.0	57.5
	35-44	7	17.5	17.5	75.0
	45-54	3	7.5	7.5	82.5
	55-64	5	12.5	12.5	95.0
	65 or older	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

**White**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	35	87.5	100.0	100.0
Missing	System	5	12.5		
Total		40	100.0		

**Black**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	1	2.5	100.0	100.0
Missing	System	39	97.5		
Total		40	100.0		

**Asian**

		Frequency	Percent
Missing	System	40	100.0

**American Indian**

		Frequency	Percent
Missing	System	40	100.0

**Native Hawaiian**

		Frequency	Percent
Missing	System	40	100.0

**Other**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Checked	3	7.5	100.0	100.0
Missing	System	37	92.5		
Total		40	100.0		

**Other, specify:**

HISPANIC
LATINO
MIXTURE