

**Assessment Report**  
*Voyage Exhibition*  
*Opening Event Educator Workshop*

**Space Center Houston**  
**November 14, 2008**

**IMPORTANT NOTE: for full details on the assessment protocol employed, the data analysis, and how to read this report, please click on:**  
[http://journeythroughtheuniverse.org/program\\_overview/po\\_as\\_ew.html](http://journeythroughtheuniverse.org/program_overview/po_as_ew.html)

**National Center for Earth and Space Science Education**

**Contact: [info@ncesse.org](mailto:info@ncesse.org)**

The *Voyage National Program* and *Journey through the Universe* are programs of the National Center for Earth and Space Science Education.

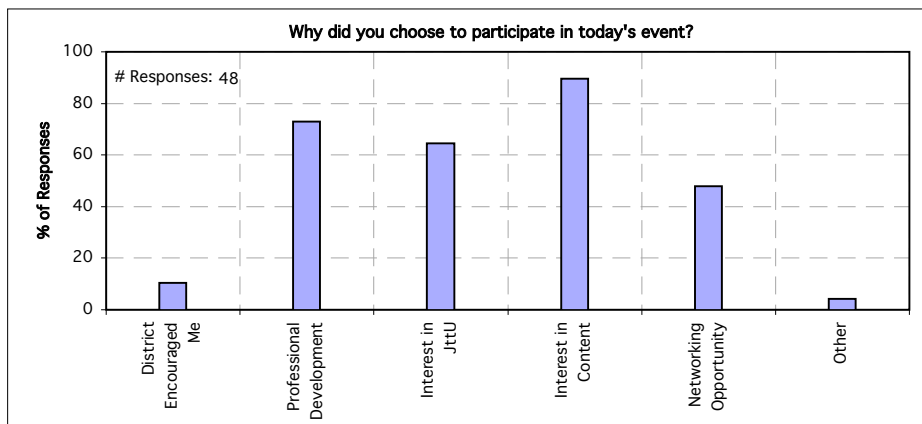
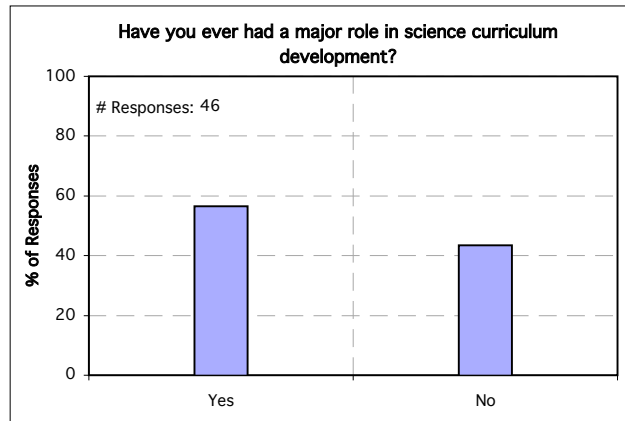
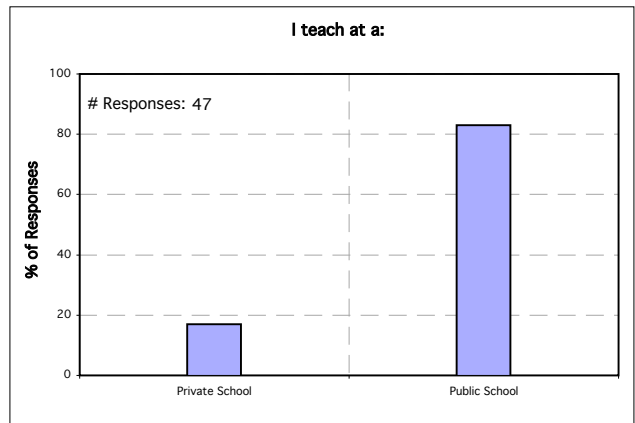
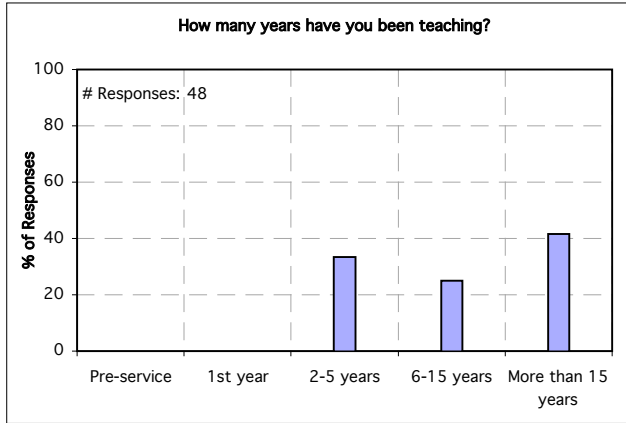
Visit them on line at:

<http://voyagesolarsystem.org>

<http://journeythroughtheuniverse.org>

**Journey through the Universe Educator Workshop Assessment Results**  
**Community: Space Center Houston**  
**Date: November 14, 2008**

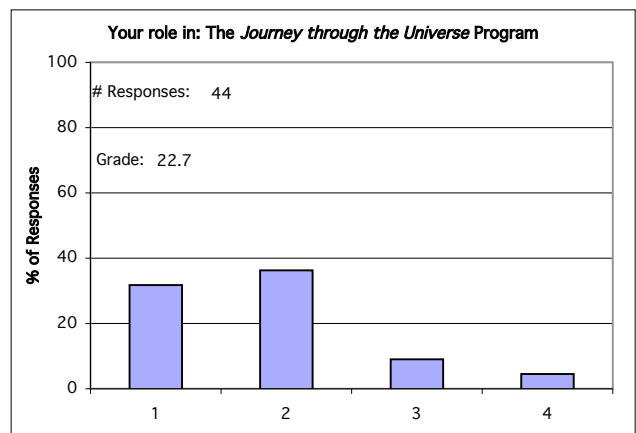
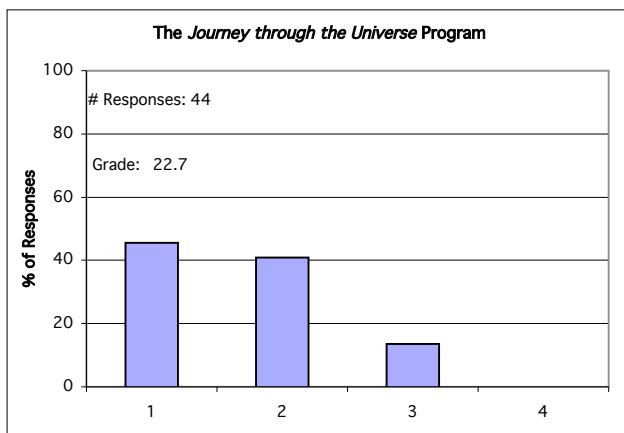
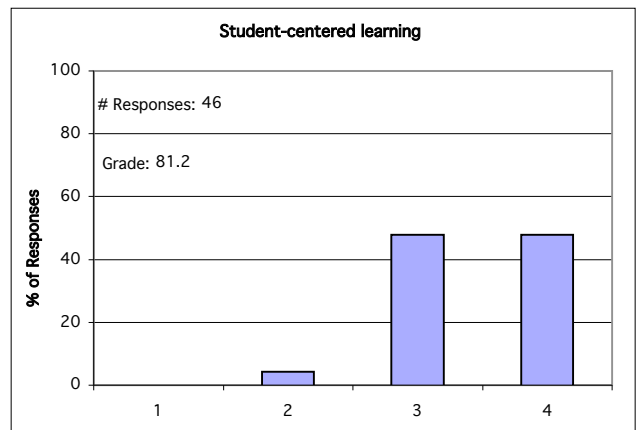
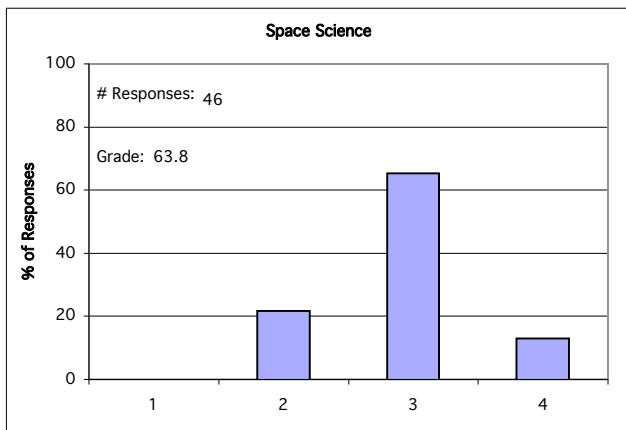
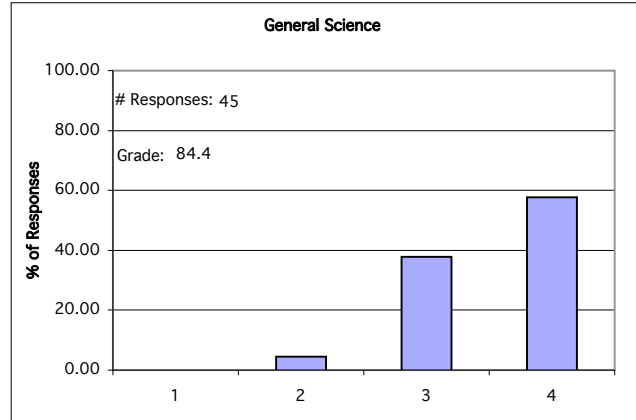
**Pre-Assessment Workshop Results:**



Rate your comfort level and familiarity with the following:

**Legend**

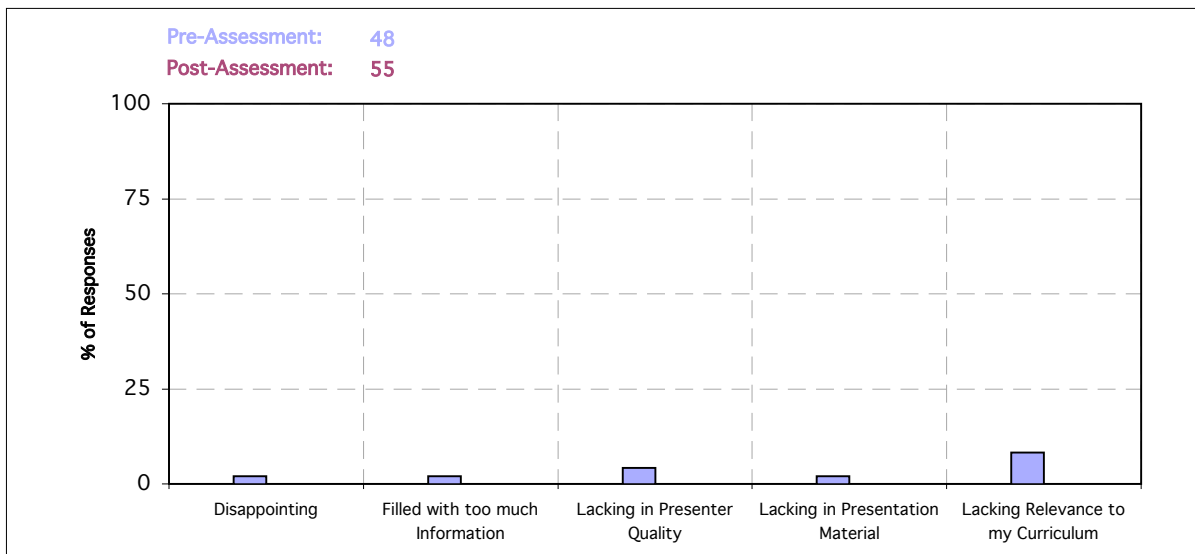
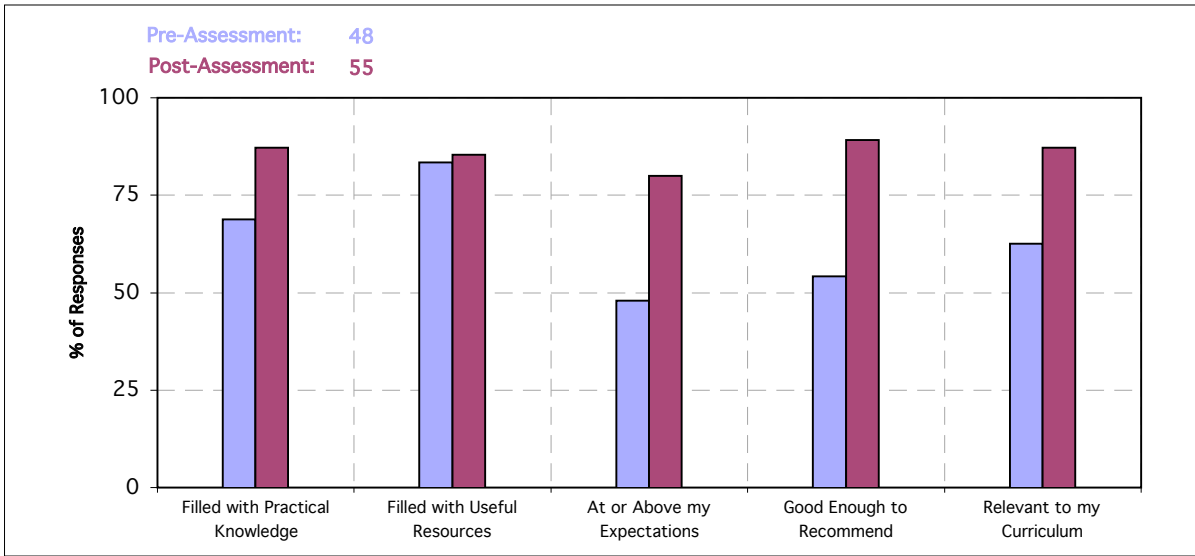
Grading System	Equivalent Grade (0-100 Scale)
1 = Not Comfortable	0
2 = Somewhat Comfortable	33.30
3 = Comfortable	66.60
4 = Very Comfortable	100.00



**Pre- versus Post- Assessment Workshop Results:**

Pre-Assessment Question: In general, I usually find workshops: (check all that apply)

Post-Assessment Question: I found this workshop to be: (check all that apply)

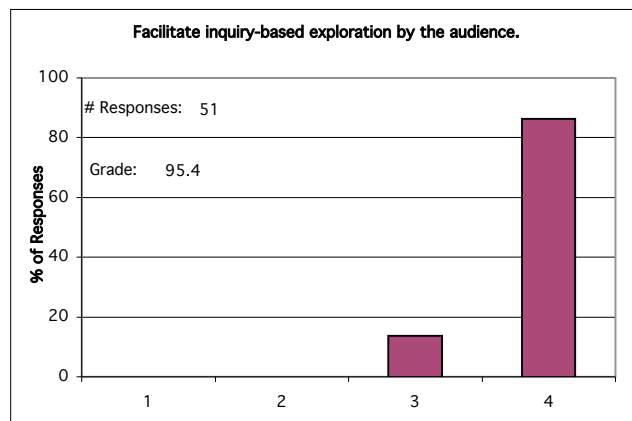
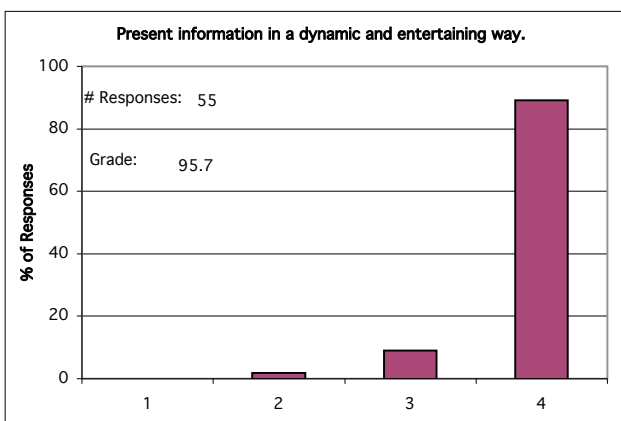
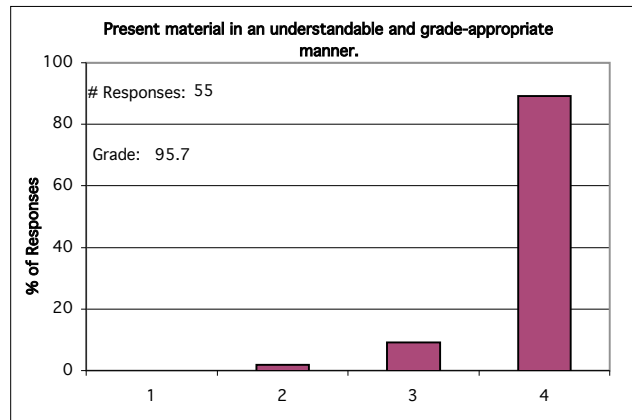
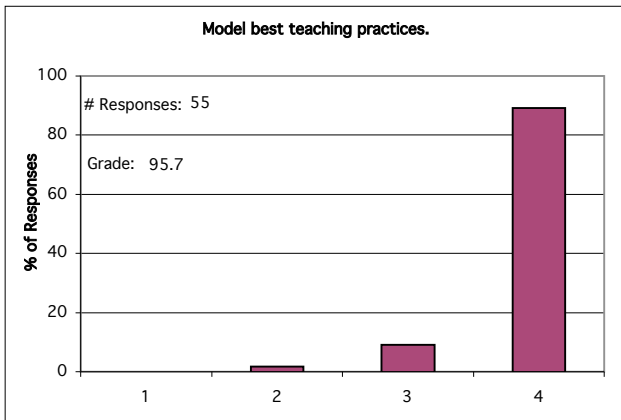
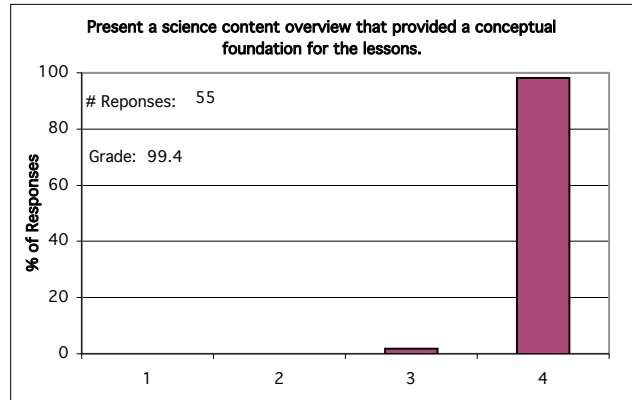


**Post-Assessment Workshop Results:**

**Rate the efficiency of the presenter(s) to:**

**Legend**

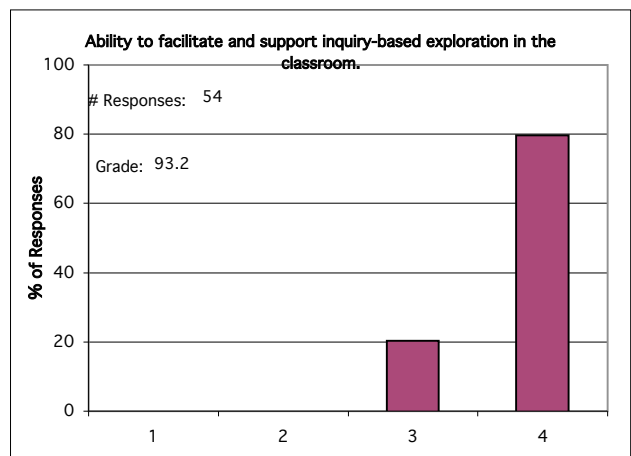
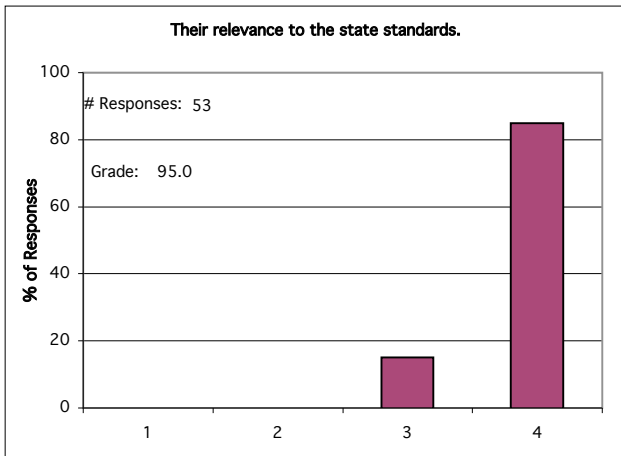
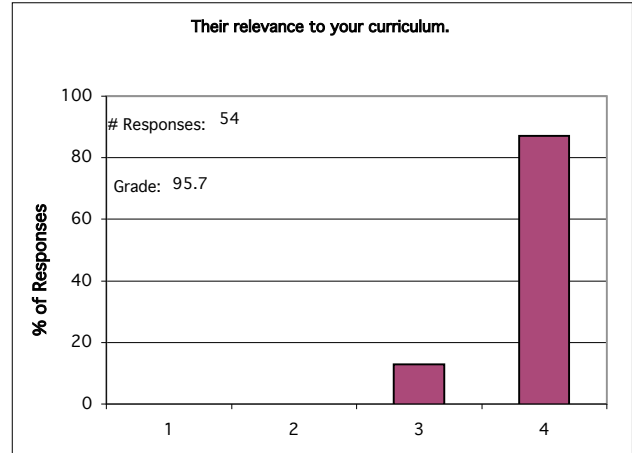
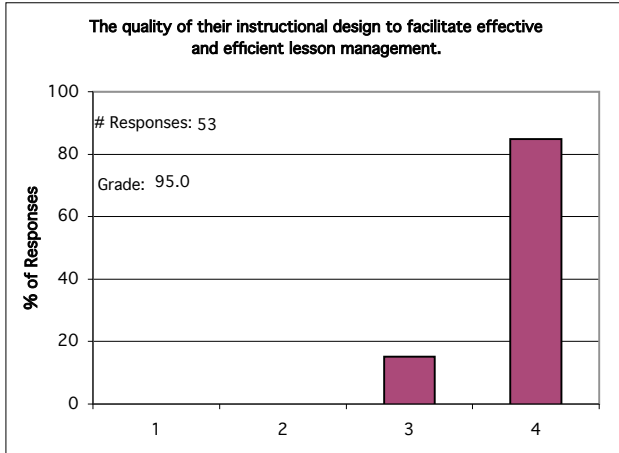
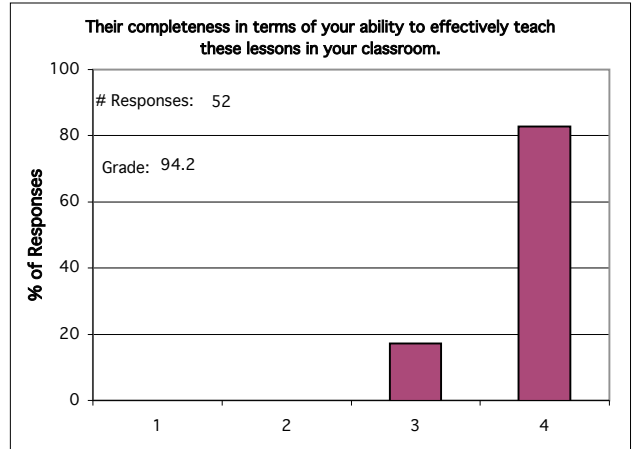
Grading System	Equivalent Grade (0-100 Scale)
1 = Not Effective	0
2 = Somewhat Effective	33.3
3 = Effective	66.6
4 = Very Effective	100



Rate the quality of the educational materials with regard to:

**Legend**

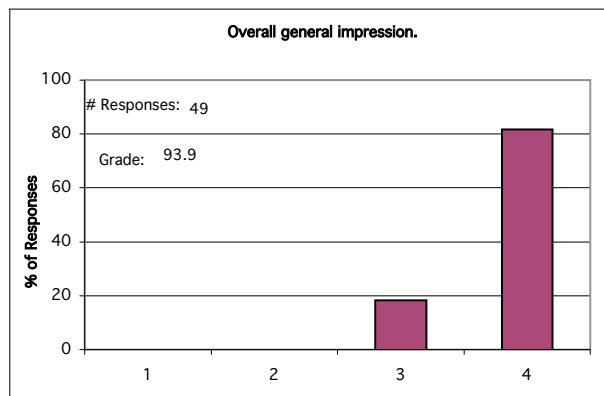
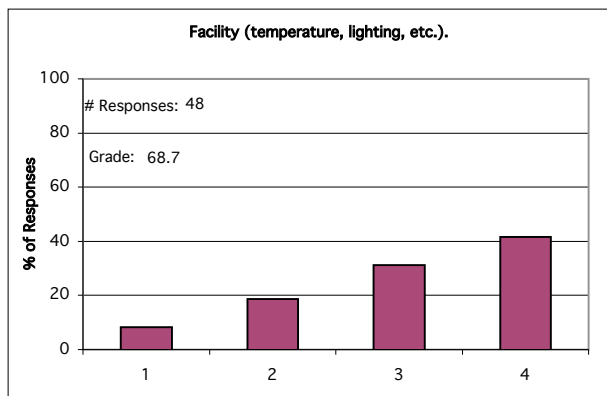
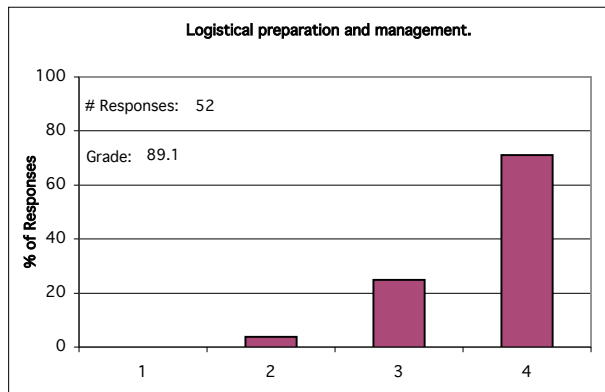
Grading System	Equivalent Grade (0-100 Scale)
1 = Not Effective	0
2 = Somewhat Effective	33.3
3 = Effective	66.6
4 = Very Effective	100



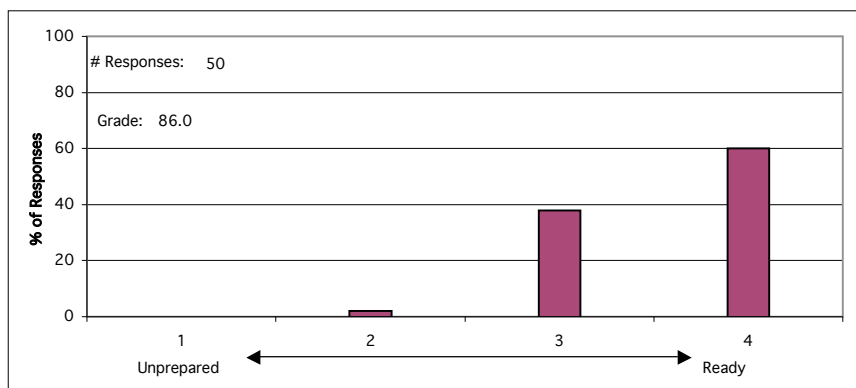
Rate the quality of the workshop with regard to:

**Legend**

Grading System	Equivalent Grade (0-100 Scale)
1 = Poor	0
2 = Fair	33.3
3 = Good	66.6
4 = Excellent	100



As a teacher planning to use *Journey through the Universe* activities with your students, how prepared do you feel to teach these lessons?



III. Comment Fields:

Question	Document #	Comments:
2		<p>COMMENTS ON PRESENTER</p> <p>I thoroughly enjoyed this training!!! Lots of audience participation Excellent presenter with a vibrant manner to teach teachers I enjoyed it and got a lot of new ideas As expected - fantastic! A+ Very engaging presenter Like real life, if we just had more time Very interesting workshop, will recommend to other teachers GREAT! Excellent! One of the best presenters I have heard in a long time. Jeff really has a handle on the education system in America, in addition to his vast knowledge in space science. Outstanding / never knew how much I could do Fantastic information I loved your stories!!! I used to do that too until a principal told me it wasn't relevant. I am glad you give that value - the kids love it. It was great to have a PhD that could connect his learning into teaching this learning. LOVED it!</p>
3		<p>COMMENTS ON CURRICULUM PKG</p> <p>Well prepared It will be nice to get a CD with an actual lesson taking place. Very nice - great that it is on line, but would be nice to have a CD/DVD for those days when your internet access is down. Great enjoyed all info learned! Awesome curriculum I will use next week!!!</p>
4		<p>COMMENTS ON WORKSHOP LOGISTICS AND FACILITY</p> <p>Very cold room in morning, better in afternoon Too cold Everything was great but it was unreasonably cold. Too cold sometimes Wonderful. Cold until lunch. Room too cold. Way too cold! Freezing Too cold! Cold It was freezing! It would be nice if they could adjust the temperature. Too cold. Wonderful Thanks for having us! Too cold. Room was too cold. Cold Cold Too cold Too cold, too dark. Comfortable chairs, seated at table, food was great! TOO COLD! COLD for most of our time here - uncomfortably cold - people were shivering.</p>
6		<p>WHAT DID YOU LIKE BEST ABOUT THE WORKSHOP?</p> <p>Quality of information presented. The bridges to learning. Presenter and provided breakfast and lunch. Free admission is a huge plus. Jeff was awesome! Great lessons with great planning already done for me. The presenter's knowledge. Teaching with "bridging to familiarity" was the best idea presented during the workshop. The way the presenter made connections of familiar knowledge to new knowledge. Presenter engaged us and had vast knowledge to share. Activities are ready to use and are easy to follow. Getting to walk the solar system. Great presenter. Expertise of presenter. Well planned lessons and materials. Presenter was very good and all the materials are great!! The speaker. Very knowledgeable and insightful. It was very refreshing! The scale of the planets from the Sun. Connections to real world. The passion of the presenter. Relevance The wonderful presenter - very enthusiastic. Beautiful exhibit for the community. I enjoyed the stories Jeff told to capture the vastness of space. The presenter and exhibit. Facts that I could share with students, and a new way to look at things. The warm up activities and outside walk of the solar system. Walking the exhibit. Jeff's enthusiasm and vision. Lesson plans. The content knowledge and manner of presenter clarified some unknowns for myself. Ease of lessons to use and facilitate. It was very dynamic and practical. I would say down to Earth. Bridging the known to the lesson. It was looking at things differently. The talk about building bridges and the inspirational speech. Dr. Jeff was totally fab. His excitement is a force. Information was very helpful/useful for the classroom. The outside activity with the planets/models. Materials and walking the solar system. Information given. Jeff's enthusiasm about science.</p>

New ideas to apply.  
The examples and bridging ideas.  
The material was presented in a manner it could be directly conveyed back to ALL students.  
The passion of Mr. Goldstein and all of his "jeffisms".  
The jeffisms that really hit home - great tools to help my students grasp these "out there" concepts.  
The knowledge of presenter.  
Jeff  
The presenter gave information in an entertaining way.  
The walk through of the solar system.  
Materials/exhibit  
Relationships of planets etc. Enjoyed meeting other teachers.  
Dr. Jeff was very inspiring & knowledgeable.  
The exhibit outside.  
Dr. Goldstein's obvious passion and eloquence.  
Scale model exhibit of solar system.

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#### HOW CAN WE IMPROVE THIS WORKSHOP?

Avoid making it too cold!  
To improve this workshop you should add hands-on.  
I would like to see a video of actual interactions with students doing the activities suggested.  
N/A Great!  
Presenter was awesome!  
Maybe make a 2-day with more hands-on modeling of activities in a kids point of view.  
I enjoyed all of it!  
More hands-on.  
It was awesome!  
Warmer room.  
Host site (SCH) should be able to provide any state-of-the art technology needed. Buy an elmo or 2 or 3. Larger screen needed so all could see. Could a pull down screen be installed in this room?  
More activities.  
I missed the hands-on activities.  
A hands-on model [solar system] scaled to table size before the walk.  
Focus a little more on content  
More hands-on doing the activity.  
Make it a 2-day to do it all.  
Excellent workshop!  
Even more hands-on  
More hands-on activities  
The exhibit would be difficult for monitoring large number of students - who walks them through, teacher or personnel here [at SCH]?  
Adjust the room temperature.  
More time  
Newer technology  
Temp control!  
Have the Voyage brochure available.  
More hands-on  
Less talking - more hands-on activities  
Give us more resources - models of solar system class sets of materials, "space music" CD to set mood in class - power point presentations.  
I loved it! Thank you!  
Following time as per agenda.