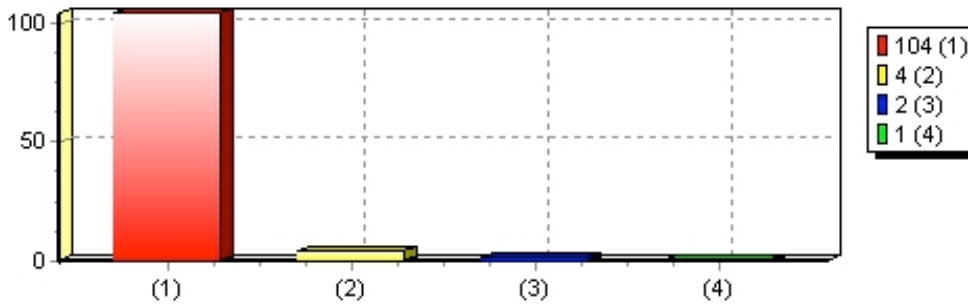


dhdc survey 2008

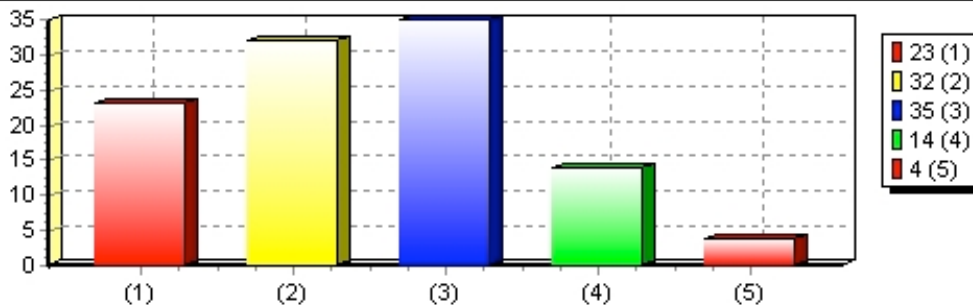
of respondents **111**

Go to section: ↓

#	Question	Teacher (1)	Principal/Assistant principal (2)	Support Administrator (3)	Other (4)	Avg
1 * _	Tell us about yourself	<u>104</u> 93.7%	<u>4</u> 3.6%	<u>2</u> 1.8%	<u>1</u> 0.9%	Mean = 1.10 StdDev = 0.425



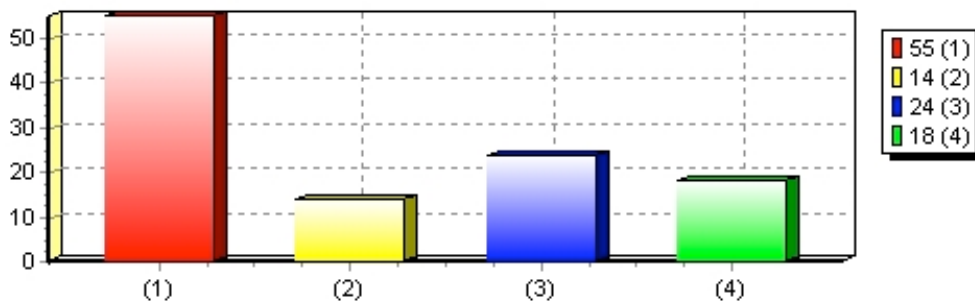
#	Question	Preschool/Kindergarten (1)	First/Second grade (2)	Third/Fourth grade (3)	Fifth/Sixth grade (4)	Seventh/Eighth grade (5)	Avg
2 * _	Which of the following grade levels do you teach	<u>23</u> 21.3%	<u>32</u> 29.6%	<u>35</u> 32.4%	<u>14</u> 13.0%	<u>4</u> 3.7%	Mean = 2.48 StdDev = 1.081



Comments

- I am Curriculum Assessment Specialist for grades 6th-8th. [5]
- I support 6th-8th grade [5]

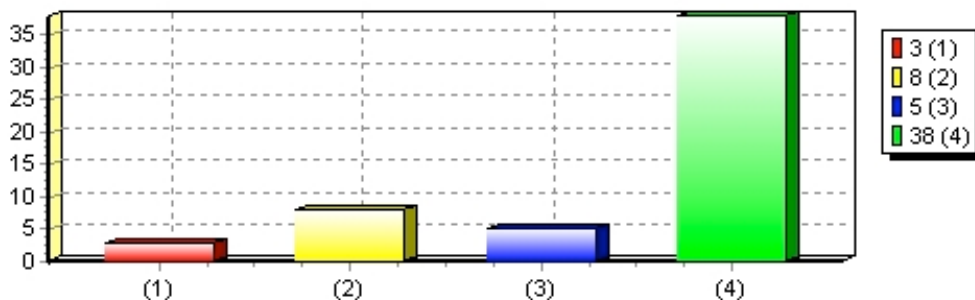
#	Question	Within the last semester (1)	Within the past year (2)	It has been over a year since our last visit (3)	other (4)	Avg
3 * _	When was your most recent field trip to the Discovery Center?	<u>55</u> 49.5%	<u>14</u> 12.6%	<u>24</u> 21.6%	<u>18</u> 16.2%	Mean = 2.05 StdDev = 1.171



Comments

- Discovery Center came to our school this year to put on a program about cells. [4]
- Never [4]
- We have never taken our class [4]

#	Question	Trip not aligned with TEKS/TAKS (1)	Too much hassle dealing with the administrative details such as scheduling and payment (2)	Difficulty arranging transportation/buses (3)	Other (4)	Avg
4 * _	If your classroom hasn't visited within the past year, please tell us why	<u>3</u> 5.6%	<u>8</u> 14.8%	<u>5</u> 9.3%	<u>38</u> 70.4%	Mean = 3.44 StdDev = 0.945



Comments

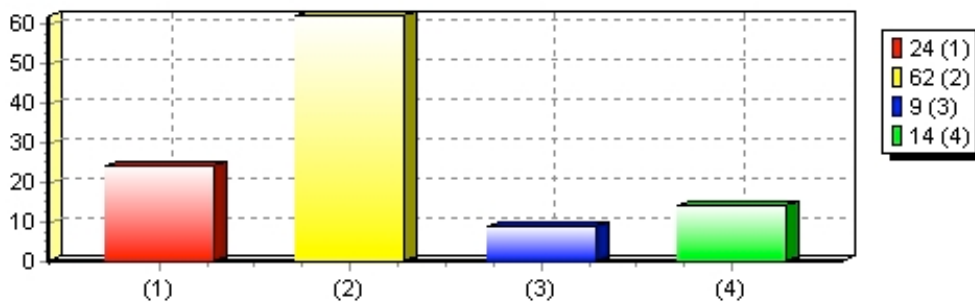
- I think teachers feel that they would miss too many class periods. They need to bundle or

integrate their TEKS. [4]

- We usually get information about programs offered and I don't remember seeing one this year. [4]
- Too expensive [4]
- We are only allowed so many field trips per year, and paying for buses. [4]
- cost of visit, feel that it is geared toward much younger children. [4]
- We didn't arrange to go on a field trip to the Discovery Center this year. [4]

Science in the Classroom

#	Question	I love science -- Teaching science is the highlight of my day (1)	I wish we had more time to enjoy science in the classroom (2)	Teaching science is outside my comfort level -- I teach best with the right side of my brain (3)	Other (4)	Avg
5 * —	How would you best describe your comfort level with teaching science?	<u>24</u> 22.0%	<u>62</u> 56.9%	<u>9</u> 8.3%	<u>14</u> 12.8%	Mean = 2.12 StdDev = 0.900



Comments

- I do not teach science, but I enjoy it. [4]

#	Question
6 * —	When teaching science, what are a few challenges you face?
	<ul style="list-style-type: none"> • Hand on materials are lacking. • Finding enough time to teach it. I teach another subject that has a TAKS test, and most of my time is spent on that subject. • None • A few challenges we face is having the right materials to make science come alive for our primary kids and engaging literature. • i teach math. • Availability of materials for conducting experiments,

- We are departmentalized, so I only teach Language arts
- No a lot of info for 1st-2nd grade level sp. ed
- I teach fourth and fifth grade math. I only teach science when partnering with our science teacher to prepare for the fifth grade TAKS.
- hands on activities, having supplies
- I think teaching an abstract concept and trying to make it concrete is very challenging. Students need to see and touch it to understand. We don't always have the materials and equipment to do the activities that need to be completed for understanding.
- buying supplies for lessons
- Time to get the materials together and time to let the kids explore.
- time
- Materials, time
- gathering the materials together - we have the materials in the kits, which makes it easier, but sometimes we have to go shopping, which can be time consuming
- Not enough time for hands-on activities, FOSS Kits are not supplied well
- Finding hands on activities for preschool level.
- Coming up with hands-on activities to reinforce science concepts - limitations of TEKS
- Materials is the biggest challenge but we usually make due with what we have.
- Having resources and hands on learning tools
- Reviewing concepts and setting up for experiments is very time consuming while teaching other subjects. Getting in all the materials on time is another challenge I find in the classroom.
- lack of materials for hands on experiments.
- Good resources.
- I teach intervention so I don't have an opportunity to teach much Science.
- We use FOSS kits to guide students through investigations. The materials inside are old, filthy and some are missing. The district is supposed to have someone in charge of ordering the consumable items and making sure the materials are in the kits before sending them to the schools but it isn't always done.
- Making sure quality science instruction happens in all classrooms not just fifth grade.
- Lack of consumable materials or time to gather them.
- time and materials
- I am not the science teacher-just the scheduler
- Not enough time...
- Having enough hands on materials for the classes.
- I am the 4th/5th reading writing teacher. We have a 4th/5th science teacher.
- implementing the AISD standards in the classroom-they are poorly written and deal only with the FOSS kits we are required to use. There is a lot of down time between kits and the district has not provided us with what they want us to teach during that time.
- Easy experiment ideas and not enough time.
- Time.
- finding ideas that tie into the "themes" that we cover.
- The district does not provide us with adequate teaching materials, therefore we cannot teach all the TEKS to the fullest extent.
- Trying to incorporate it into our weekly schedule, make it fun & exciting for the kids & bring it to a level so they will comprehend & retain the information.
- Using proper terminology with the yo8unger students so that they fully understand.
- Equipment, materials, and time

- Few available materials
- Mainly, availability of good hands on activities and materials.
- Time to prepare activities and gather all supplies for experiments
- Being a k-5 music teacher, I teach science most in the form of sound and vibrations. Having the hands on tools to explain concepts is the biggest challenge.
- Materials available and time allotment to get all the TEKS covered!
- Don't teach it..P.E. teacher
- There is not enough time allotted in the schedule.
- lack of lab materials
- Making sure to have all the materials needed to have the experiments.
- How to connect science experiments with their age level. It's hard to find time to do science all the time because of the pressure of them reading on grade level.
- I do not teach Science. I am the designated 5th grade Math teacher for our campus.
- HOW to teach some of the concepts. I want to do it more hands-on.
- mainly time
- Having enough time to teach it every day. Having enough materials to teach a large class.
- Materials and time.
- Not always having the materials I need.
- Creating or building on background knowledge Making abstract concepts concrete Time elements and cost parameters Transfer from one concept to another Transfer from 3D experiences to text based and 2D paper tasks
- The amount of time, there is never enough.
- Time, equipment, books, and supplies are the challenges of teaching science.
- Time factor
- Lack of time. Students who have very little exposure to science and related vocabulary.
- Coming up with a variety of Pre-k science lessons.
- I don't teach science. I teach 4th grade math.
- Time
- student reluctance; poor resources - especially science textbooks; FOSS kits in limited rotation; explaining coastal erosion to kids who have never seen the beach
- Not having enough time or ready resources.
- Time! Kindergarten is hurry hurry hurry.
- Locating the information. Just getting in there and doing it.
- Planning and getting all the materials ready and finding the time.
- Having enough time to make the Science come alive and more real life experience.
- Having the right equipment and enough of it to go around is a challenge.
- We struggle with the vocabulary of science.
- Having items that connect and are easy for students to connect to content.
- Time, and sometimes materials
- preparing meaningful investigations for 4 different classes. It can be exhausting and very time consuming
- models
- Finding fun, hands-on materials that the students will enjoy and learn from that also follow the TEKS
- Knowledge and time
- Room to teach a lesson and follow up with experiments or activity. It would be nice to have a science lab in which we could all have a time each day to teach science with all the materials at hand.

- Time factor and limited materials
- time, space, materials, cost of the materials out of my pocket...we need a fulltime science teacher in the elementary level.
- time issues for doing experiments and finding grade and age appropriate labs or experiments to do with third grade
- I don't teach science--I am the LANG. ARTS teacher
- time
- Finding time to really extend on what we learn.
- developing sciece curriculum with an ancient science book. not aligned with any science TEKs.
- time

Comments

- Lack of time and students who have had very little exposure to science and related vocabulary [n/a]

Please rank the following new menu of services with 1 the Best and 12 least:

#	Question
7 *	Teacher Professional Development
	<ul style="list-style-type: none"> • 6 • N/A • 6 • 2 • 5 • 1 • 9 • 9 • 1 • 9 • 8 • 1 • 1 • 10 • 10 • 5 • 6 • 3 • 2 • 5 • 4 • 8 • 9 • 1

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Comments

- 12 [n/a]

8 * Hands on lab experience for students

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Comments

- 12 [n/a]

9* Parent/child/teacher learning evening events

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Comments

- na [n/a]

10 * Adequate lunchroom facilities for field trips

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Comments

- 12 [n/a]

11 * Hassle free registration for field trips

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Comments

- 12 [n/a]

12_* Personal Discovery Center liaison for your school

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Comments

- na [n/a]

13_* A visit to your classroom with a science lesson or experiment

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Comments

- na [n/a]
- They haven't visited in my classroom [n/a]

14 * Snack and lunch bar

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Comments

- na [n/a]

15 * Meeting space/tables and chairs for your classroom

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Comments

- 12 [n/a]

16 * Outreach visits to campuses

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Comments

- na [n/a]
- Have visited in the past--"Star Lab" but haven't visited recently [n/a]

17 * Personal tour of exhibits to help you prepare for you class field trip

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Comments

- 12 [n/a]

18 * Virtual tour of exhibits to help you prepare for your class field trip

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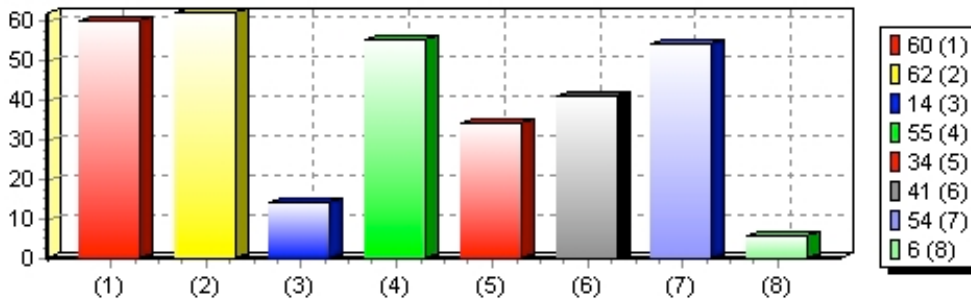
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	<ul style="list-style-type: none"> • 1 • 4 • 1 • 5 • 10 • 12 • 9 • 4 • 10 • 6 • 12 • 12 • 5 • 9 • 3 • 4 • 1 • 7 • 10 • 8 • 3 • 5 • 10 • 5 • 4 • 11 • 7 • 3
	<p>Comments</p> <ul style="list-style-type: none"> • 12 [n/a] • Sometimes hard to log into website. [n/a]

Workshop interests

#	Question	Raising questions in the classroom/hands-on classroom techniques (1)	Developing students' science skills (2)	Chemistry inquiry (3)	Life science inquiry (4)	Land forms inquiry (5)	Physical science inquiry (6)	Weather lab activities for the classroom (7)	Other (8)
19 * —	Which of the following Teacher/Professional Development	60	62	14	55	34	41	54	6

Workshops would be of interest to you?



Comments

- Physics [n/a]

#	Question
---	----------

20 * _	If you have attended a Teacher/Professional Development workshop at the Discovery Center, please provide comments or suggestions for improvement.
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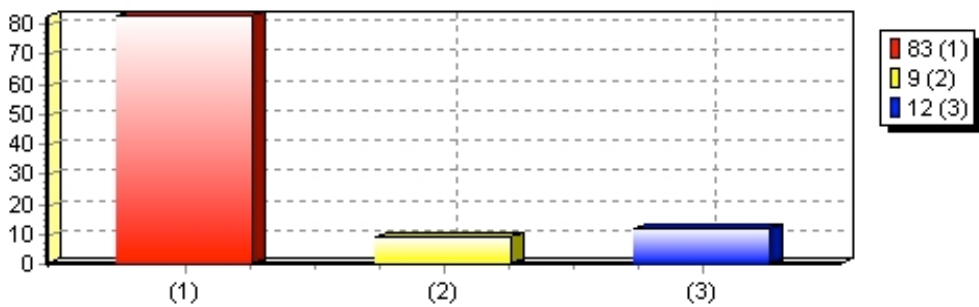
- It was wonderful...it gave me the insite to preteach an object and allow for extension after the visit.
- not attended
- N/A
- Well managed in the theater and the experiment room. A little more direction in looking at the exhibits.
- N/A
- There was a need for more practical, immediate application upon returning to the classroom.
- I apologize but I am not the science teacher just the scheduler of the trip
- n/a
- It was an excellent day!
- I attended one in the fall, it was well attended by 5th grade teachers. We shared some ideas together with Cayla C.
- NONE
- It was well-organized. The presenters were interesting and prepared.
- N/A
- N/A
- The rooms were a little small, but I know that can not be helped.
- No I have not. I was not aware that workshops were given at The Dicoverly Center.

21 * _	What other service could we offer that would benefit you as a teacher?
--------------	--

- Resources linked to the web with activity ideas for primary kids.
- teacher professio9nal development
- guided tours rather than turning kids loose in the big room where some teachers don't supervise very well

- Before going to the discovery center, we would like a video or information on what they will be seeing there. We could discuss the topic and familiarize them before going on the field trip.
- Just knowing the activities and how we could extend them in the classroom.
- a map or layout of the center and types of science involved or displayed in each area with simple explanation or key ideas so we can discuss before and emphasis areas before we arrive
- Simple experiments that meet the TAKS needs and activities for the students to do at home and at school. Packets with numerous ideas of experiments and activities.
- Background information on exhibits and purpose/objective of the activity
- Send out what is new and make sure Amarillo ISD keeps supporting your efforts
- Our experience at the feild trip was exceptional! You did a great job managing two schools at once.
- I love the Discovery Center. We are always pleased with what we find there. Our students find it very stimulating.
- district standards that go with each exhibit- to show what is being taught
- I think you are doing a fabulous job.
- Hands on materials and equipment
- our school does community evenings with you and it's been so successful!
- We have difficulty paying for bus transportation, it is now \$50 for a bus.
- I feel you coming to each classroom with great activities would be something great for the students.
- I can't think of any at this time.
- Coming to the classroom and teaching a lesson. Helping with a science activity guide for Pre-K.
- TEKS alignment with D.C. exhibits and stations
- Anything that is is geared for Early Childhood. Not K-12.
- N/A
- experiment kits to check out with visual instructions.
- A booklet to use for reference on everything that is available at The Dicoverly Center in order to set it up with our grade level standards per six weeks.
- ideas to use in the classroom...maybe a packet of experiments for young children that would align with the TEKS

#	Question	Yes (1)	No (2)	Other (3)	Avg
22 *	Does the Discovery Center support you in your work?	<u>83</u> 79.8%	<u>9</u> 8.7%	<u>12</u> 11.5%	Mean = 1.32 StdDev = 0.672

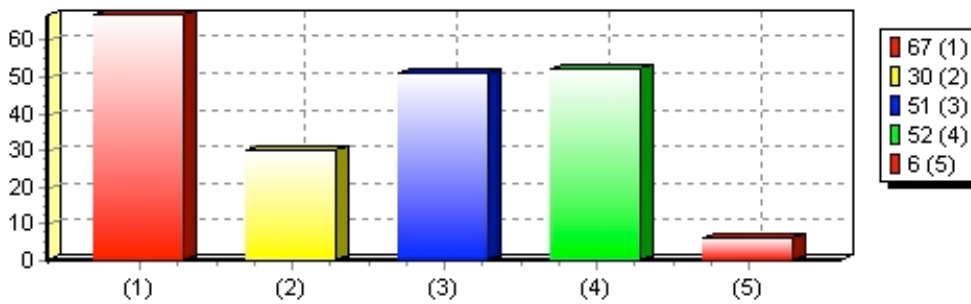


Comments

- I have used the Discovery Center in the past with the GT students and enjoyed the programs that they presented for us after school. [1]

Family Science Nights combine the relaxed family atmosphere of a school open house with deep science engagement. For one evening, your school's students, their families, teachers and administrators are honored guests of the Discovery Center, where our staff helps throw a science party. Students have the opportunity to see their teachers outside the classroom and show their parents around the Center.

#	Question	Provide options for sponsorship of low-income schools (1)	Speak at PTA meetings to help obtain funding for your school to book a Family Science Night (2)	Build awareness of Family Science Nights by communicating with parents and PTA (3)	Build awareness of Family Science Nights by communicating with school administrators (4)	Other (5)
23 * -	How can the Discovery Center help your school become involved with Family Science Nights?	67	30	51	52	6



Tell Us What You Think

#	Question
24 * -	In your opinion what does the Discovery Center do well?
	<ul style="list-style-type: none"> • Exhibits • The staff was excellent when we visited. They were friendly, helpful, and made accomodations for us. I was pleasantly surprised with the service at the discovery center!

- It provides the students with excellent hands on learning activities.
- Brings Science to the next level....I think the Discovery Ctr is a an invaluable asset to our community.
- Generates high interest in science...gives students the opportunity to connect with their learning
- I'm not sure
- great exhibits, learning opportunities
- Hands on
- I have not visited the Discovery Center. Therefore, I can not answer the following questions. Sorry.
- absolutely - always enjoy the presentation "under the stars" which is geared to the Kindergarten level. He keeps the children engaged and is appropriate in his presentation to their level.
- Your outreach programs are very good. You provide information about your programs at the beginning of school.
- the programs are great, all the employees are super, welcome feeling,all kinds of programs
- Provide hands on experience
- Interesting exhibits
- Variety of activities
- the theater, the exhibits, and the lessons
- It provides hands on science activities for children of all ages.
- good exhibits
- The Discovery Center does a wonderful job of providing hands-on science classes for students.
- the few times we have come have been excellent
- everyone was helpful and pleasant nice variety of hands on activities space theater provided a lot of great information
- You have many hands on activities for students.
- Science engagement.
- Provides learning opportunities that are not available elsewhere.
- Super experiments and theater movies.
- yes.
- Managing large groups and teaching labs.
- Involve the students with lots of good hands on interaction.
- The space theater is fascinating to Kgtn. The experiments on the floor are really fun, especially the new ones in the east wing. Bubblemania taught our children about air.
- hands on activities space show
- I enjoyed the hands on group activities and the center has always been very accomadating to us.
- Very well organized
- I love all of the new exhibits. For a while, the exhibits seemed to be the same thing- now there is so much variety! We loved Science Night! That was the very best ever!
- They present information in an engaging, on - hands manner.
- provided a place of learning for our city
- Providing hands on activities for students.
- The field trip was well organized, and they provided space for our lunch time. The bubble class was super, and well paced.

- Make learning about science fun and interesting.
- They have great exhibits.
- Hands-on activities that invite learners to "play" and learn.
- hands on activities
- Provide exhibits that the kids can do themselves.
- They do a great job in setting up times in the Planetarium & open discovery time in the exhibits.
- Plenty of room for and well arranged exhibits! The planetarium is fantastic!!
- yes
- It provides hands-on opportunities in science for our students.
- yes
- Teach us how to make our students better and more competent in science. Give us IDEAS
- Offers so many life experiences for children who have so few
- Getting the children excited about science.
- Provides hands-on learning experiences for all ages.
- The Observatory is fantastic for them to see.
- Provide science experiences to those that can afford them.
- Brings the opportunity to learn about science and science applications to the community.
- Enriching the curriculum and supporting specific campus needs
- The guided lessons were extremely good.
- I think that the planaterium is excellent and I like all the exhibits. The hands on set up is great for the students.
- I liked the presentations you gave for our first graders with the bubbles. I think an hour for a presentation for 6 and 7 year olds is too long. I am more comfortable with 20 to 30 minutes programs. I really appreciated the indoor eating area! We came on a day in the winter because we were assured of a place to eat our sack lunches! You had a couple of young men wondering around near the animals when we had students in that area. They were very knowledgeable about the animals and were willing to talk to the children. I think that is a real plus. My kids gained understanding of the animal habitat and their interest was sparked by seeing and hearing about the animals!
- Makes science fun and exciting for students and families.
- Communication, field trip coordination, class room experience-bubbles, stuffy, etc.
- The Discovery Center provides a science experience outside the classroom.
- lab experiments
- We had a Family Science Night and it was great. I've been to the DC with my biological children, but not since the renovation. I'm very impressed with the renovation! The DC is great for getting kids excited about Science!
- Their Night Sky programs are great!!!!
- Hands on activities
- Set up and maintain meaningful exhibits for kids. Easy to set up a field trip/good information and helpful employees
- Involves students with hands-on activities and lets them explore. It gives the communtiy a place to bring their children for learning and entertainment.
- Patient and understanding that students in an unstructured environment are often difficult to control.
- Let's the students see that science is exciting and fun!
- hands on activieties.

- It has lots of hands-on activities for the students
- Hands-on activities and the center has something for everyone.
- Hands on activities Variety of activities Activities that go with school standards Fun learning
- Hands on centers for younger children. Great lesson on space. We also did the Bubbles which the children loved!
- provides a variety of exhibits and experiences for classes when they visit
- Great activities and organization!
- Everything
- Provide Hands on experiences for the kids
- provides opportunities for critical thinking
- Great exhibits, things we see almost every day put in science context.

25 What could we do better?

*
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- Provide guides so that our students are not just running around looking at the exhibits
- Try to connect the exhibit schedule with current 6 wks standards when possible.
- Provide information about what exhibits are available - how to tie to curriculum - hours of operation, etc.
- More activities that are hands on....there used to be more
- It would be wonderful to have volunteers or more staff on the floor to demonstrate and help children understand what certain exhibits are really there for - some explore for play purpose and I think they would get more out of it with adult interaction. I can't always get the volunteer parents to come but when I have more adults I enjoy the experience more and so do the children.
- Please send out e-mails throughout the year of what is happening at DHDC. Also, I would like to see more programs for older grades (7th-10th).
- provide assistance to low -income and non-Title 1 schools
- Provide more hands on activities that go with the Amarillo ISD TEKS.
- floor monitors
- hand-on activities
- I haven't been there in a long time.
- allow students to participate in an experiment created for their grade level
- Explaining how and why of processes and activities.
- Have more break out sessions for smaller group experiments, etc.
- Give the teacher a pamphlet that explains the the visiting exhibits.
- Better explanation of services.
- state rules and expectations for the space theater more clearly, and give more information about the planets.
- explore each planet--space show more about the earth--parts of the earth extreme weather
- Communication with teachers...
- Come to the schools to enhance the TEKS or provide outreach for science teachers as they explore new ways to teach those TEKS which are low scoring on the TAKS.
- NA
- Sometimes free exploration does not solidify information. Maybe more explanation of purpose of activities.
- I really enjoyed the field trip experience and really can't think of anything I would change.

- Lower admission for schools. That is what is keeping us from coming.
- nothing
- Our school looked into the Family Science Night, hoping to do it. The cost was prohibiited. We are not a title school and have no extra funds.
- Have a couple more people on the floor to show the kids how to use the activities and what they can do. Just a short demonstration for some of the activities.
- Possibly changing exhiits more frequently!
- make monetary allowances for low income schools
- Advertise more about what all you have to offer.
- my main problem was scheduling--only a certain amount of studets could participate in an activity therefore it was very difficult to schedule a grade level to come on one day.
- Maybe different people work together to do the planets. Maybe a different approach would be nice.
- I was disappointed in the videos that we watched.
- Have guides at the most popular exhibits to help explain what the students are learning.
- I still think the first graders enjoy the regular show in the plantarium. I know the one we saw was geared to them, but nothing is as awesome as seeing the night sky and having constlations pointed out and discussed. When my first graders have seen that kind of presentation, they talk about it for weeks and begin looking for information that explains even more about the stars. I realize my kids live in town and don't see the stars every time the go outside at night. Maybe that is why they are so impressed.
- You do a good job.
- movies in the theater more interesting
- Monthly e-newsletters for teachers? Help with securing transportation?
- Maybe Monthly emails to inform teachers about current curriculum.
- It was great!
- Have more exhibits and offer a more affordable price to low income families.
- More docents
- n/a
- Special attractions like the mechanical dinosaurs you had about 5 years or more ago. Maybe looking into the future example robots.
- Make your programs better known to educators. Many first year or new teachers don't know what is offered.
- Have more staff available to work with students/classes during exploration of exhibits, rather than just a guide that introduces them and then leaves
- Some things should be changed out periodically so that the hand-on activities don't lose their appeal. Maybe more video monitors that demonstrate types of science going on and then the students could do it also. I wish there was more variety on the space movies...especially for younger kids.
- have a n IMAX
- Talk to children at an age appropriate level

26 At your last visit to the Discovery Center, how long did you and your students stay?

*
—

- 2 hours
- About an hour.
- 5 hrs
- We stayed 2 hours.

- two hours
- An hour or so.
- an hour or so
- 1.5 hrs
- 2 hours
- Two hours
- for our time schedule, we were there about 3 hours total
- 2 hours
- 1 hour
- 2 hours
- 45 minutes in each area
- 3 hours
- 1 hour
- Approximately 1 and 1/2 hours.
- 3 hrs
- 2 hours
- about 1 hour
- 2 hours
- 1 hour
- 2 hours
- 2 hours
- Almost all day.
- 3 hours
- 9:00-12:00
- 1 1/2 hours.
- 2 hours
- 2 hours
- We did an hands on activity-the movie show and the exhibits.....then ate lunch there
- 1 1/2 hrs. I think...
- Parent Night was 2 hours/ classroom visits average 2 hours as well.
- I had the GT studnets there from 3:20 until almost 5:00. We could have stayed much longer because the students were thoroughly occupied the entire time.
- 2 hours
- About 3 1/2 hours
- n/a
- never been
- 1 1/2 hours
- 5 hrs.
- around 2 hours
- I have not been to the Discovery Center for several years.
- An hour and a half.
- I took my after school science club from 3:00 until 4:30.
- in the evening about 1 1/2 hours.
- We stayed about an hour.
- 2 hrs
- 1 hour
- 90 minutes
- 45 minutes

- 2.5 hours
- 2 hours
- 1 hour and 1/2
- two and a half hours
- 2 hours
- 1/2 day
- We stay about 2 hours.
- We came at 9:00 and left about 1:30.
- 2 hours
- 1 hour
- My teachers normally spend 1-2 hours at the Discovery Center during a field trip.
- 1/2 day
- N/A. I haven't been the the DC with my students as a field trip since moving back to Amarillo 4 years ago. I have only attended with my kids and Family Science Night.
- Until lunch and then we ate on the lawn by the lake
- about an hour and a half
- all day
- I believe 2 hrs.
- We stayed about 2 hours.
- Most of the day
- We stayed for 2 hours.
- 4 hours
- 2 hrs
- 1hr
- We had a family math night and stayed about 2 hours. We were enjoying it so much we didn't want to leave.
- Three hours
- 2 hours
- 3 hours
- 9:30-2:30
- 4 hours
- 1 and a half hours
- 1hour and one half
- one and a half hours

27 If time had allowed, would you have stayed longer?

*
—

- no
- Yes.
- yes
- probably so..
- yes
- Yes
- yes
- no
- not really - that seems to be the best
- Yes
- yes

- Probably not
- no because the big activity room just turns into chaos with kids running everywhere and not really learning much
- Yes
- no
- no
- yes
- Yes!
- yes
- Probably not
- yes
- yes; however the parts that we did were just the right length for our age group
- I was there the right amount of time the very last time I went. Students were getting restless.
- now, at this age 1 hour is sufficient
- no
- No, students lost interest quickly because there was not enough directed activity to hold their attention.
- Always
- Yes
- Yes!
- The children were done, so no. They would not have continued with good behavior unless we had another structured lab.
- yes
- yes!!!!
- yes
- 2 hours is good :)
- YES
- I think for kindergarten that was enough time to fully experinece the Discovery Center.
- n/a
- No. Our young children get bored easily and after spending time in the hands-on section and watching the great space show, they were ready to leave.
- Yes.
- Yes
- Yes
- Probably not because of kindergarten attention span!
- no
- Most likely not.
- yes
- yes
- This was an appropriate length for the age group.
- yes
- Yes.
- Yes, but it conflicted with our lunch schedule at school.
- yes
- No, they had run out of things to do.
- Yes, because we had to rush through some of the exhibits to get done in time to go.
- Probably.

- Not with first graders.
- yes
- Teachers have expressed that they would stay longer if they had time.
- yes
- N/A
- no, I don't think there were enough activities at that time for the need to stay longer
- no.
- yes
- I think 2 hours was long enough for 1st graders.
- As long as the students were engaged in learning or activities, yes we would.
- It was about the right length
- No, by that time they have lost interest and want to move to something new.
- yes
- yes
- yes
- Yes, everybody was enjoying the night with their family. It was fun for the children and made learning special by having their parents there with them.
- Yes
- absolutely!!
- no
- yes
- YES!!! I always leave wanting more.
- I don't think so.
- yes
- Yes

28 What exhibit did you and your students most enjoy?

*
—

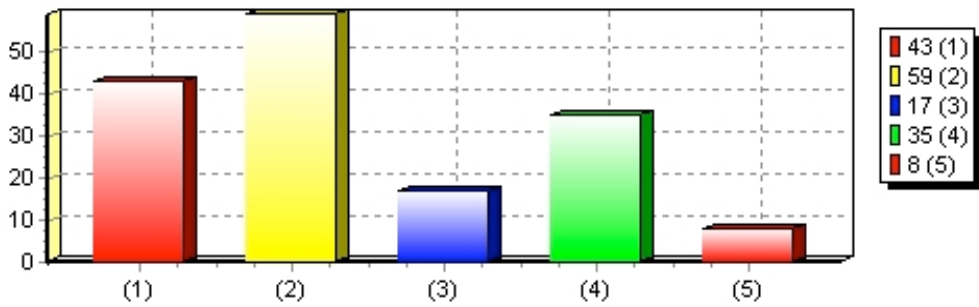
- Planetarium
- The Floor and the Planet movie.
- classes, space theatre, exhibits
- They enjoyed the Bubble Mania and the Weather Lab presentation.
- we did not view the exhibit
- movie on galaxies
- weather
- Weather station and movie
- In the past the dinosaur exhibit is most memorable - just awesome. And the children love the bubbles exhibit on the floor!
- We were studying space science. We used the space theater and made star charts or planispheres. It was absolutely wonderful! :)
- bubbles
- the space movie
- water exhibit
- Planetarium
- all three - they were fantastic
- solar system
- My students really enjoyed the bubble activities.
- bubble mania & tornados

- The Planetarium and the few hands-on exhibits
- I enjoyed it all; several students liked the bubbles, the fish, the body noises, and bowling ball and tennis ball.
- Planetarium
- My students enjoyed the theater presentation and the bubbles
- walking around and using all equipment. Also the feeding of the fish.
- the Planetarium is always a favorite
- the science experiments and the theater.
- hands on exhibits
- Exploring the exhibits on the floor.
- All of them
- It was a tie between the experiments in the east wing and the Space Theatre.
- the exhibit about the body
- Hands on activities.....
- all
- They loved the dissection of the eye. The bubbles are always in high demand. Everything is great.
- They liked doing the activities on the floor. Many of them were interested in building the dam, and in the energy displays.
- The bubble basin, the ??? thing you pull back on and the ball shoots up to the sky and the car (kind of a roller coaster car.)
- The space show. This was the first year that we have experienced it.
- The one with the pulley and the tennis ball that shoots out of the top.
- Space program
- They loved the telephone type display where the sound traveled through the tube.
- They really enjoy all of the exhibits
- I enjoyed reading about the functions of the main organs in the body as well as looking at the visuals. The kids LOVED the farting exhibit----wouldn't you know?
- The planetarium show
- the floor exhibits
- The black hole
- Space room
- Night Sky
- EVERYTHING!! We had studied the planets/solar system, so going to the Space Theater was great; the kids loved it!
- We only had time for the Observatory.
- Our lab experience was with the liquid nitrogen and it was fantastic. The students and teachers enjoyed it thoroughly.
- Body systems, the new floor exhibits
- They didn't seem to zero in on only one. They seemed to enjoy all of the exhibits.
- The bubble exhibit was a big favorite with our first graders as well as the building exhibits.
- My class enjoyed the hands on activities.
- We enjoyed the demonstration on clouds.
- fish, animals, activities on floor, class room experience-bubbles, stuffy, weather, etc. (on pre-k level)
- plants
- At FSN, the kids were fascinated with the big bubbles. I had a small group of 1st-2nd

graders without parent chaperones.

- The meteorologist station
- Planetarium show
- the hands on exhibit ex. pendulum, weather station, electricity ball, waterworks
- All the hands on and the new exhibit about the body.
- The hands on scavenger hunt and the science experiments.
- Electricity demonstration
- They enjoyed it all!!
- The Machine activities and motor experiment.
- We enjoyed the whole roller coaster theme.
- they love the hands on areas
- The students enjoyed every moment of it, since many of our children hadn't been there or had been there only with their class from school.
- It was a tie between the bubbles and the planet show
- We absolutely loved it all! but really enjoyed the classroom lesson.
- the space theater
- ALL OF IT!!
- It would be hard to list a favorite.
- They enjoyed both sides equally.
- I loved the coral reef
- The air exhibit with the bowling ball.

#	Question	Adequate child/chaperone ratios mean I can engage with my students as they learn. (1)	I look forward to field trips to the Discovery Center because I enjoy the exhibits as much as the students. (2)	I am too busy managing children to enjoy the exhibits (3)	Exhibits are self explanatory and I enjoy watching the children learn through their own experience (4)	Other (5)
29 * -	Please rate your level of teacher participation during your classroom field trips:	43	59	17	35	8



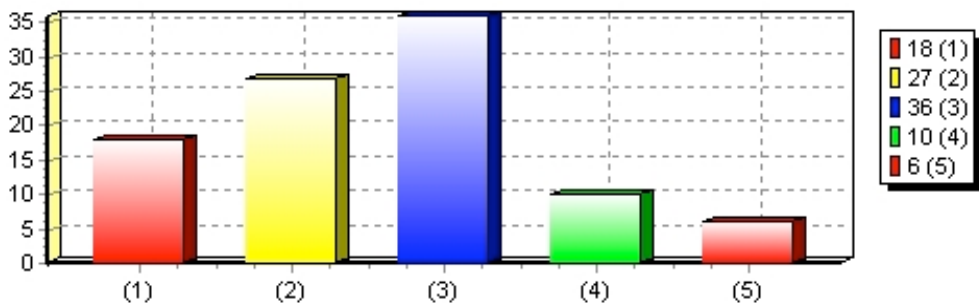
Comments

- I like the interaction between the staff at DHDC and the students. The students are treated with respect and the staff are so enthusiastic! [n/a]

- I always worry about my class' behavior so I am always managing more than enjoying. [n/a]
- I have only attended during Family Science Night with students. [n/a]

Based on your most recent field trip to the Discovery Center, please rate your experience

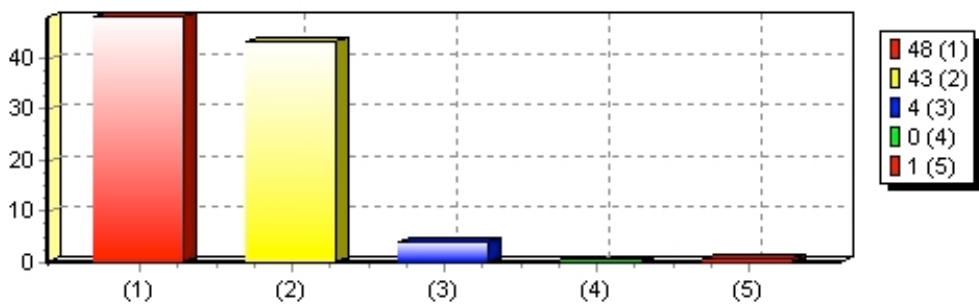
#	Question	SA (1)	A (2)	U (3)	D (4)	SD (5)													
30 * —	Great place to take my students	<u>68</u> 67.3%	<u>31</u> 30.7%	2 2.0%	0 0%	0 0%	Mean = 1.35 StdDev = 0.518												
<table border="1"> <caption>Data for Question 30 Bar Chart</caption> <thead> <tr> <th>Rating</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>68</td> </tr> <tr> <td>(2)</td> <td>31</td> </tr> <tr> <td>(3)</td> <td>2</td> </tr> <tr> <td>(4)</td> <td>0</td> </tr> <tr> <td>(5)</td> <td>0</td> </tr> </tbody> </table>								Rating	Count	(1)	68	(2)	31	(3)	2	(4)	0	(5)	0
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31 * —	I enjoyed participating with my students as they learned	<u>65</u> 68.4%	<u>27</u> 28.4%	2 2.1%	1 1.1%	0 0%	Mean = 1.36 StdDev = 0.582												
<table border="1"> <caption>Data for Question 31 Bar Chart</caption> <thead> <tr> <th>Rating</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>65</td> </tr> <tr> <td>(2)</td> <td>27</td> </tr> <tr> <td>(3)</td> <td>2</td> </tr> <tr> <td>(4)</td> <td>1</td> </tr> <tr> <td>(5)</td> <td>0</td> </tr> </tbody> </table>								Rating	Count	(1)	65	(2)	27	(3)	2	(4)	1	(5)	0
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32 * —	If AISD did not have a contract and your campus had to pay for it would you consider it a great value?	<u>18</u> 18.6%	<u>27</u> 27.8%	<u>36</u> 37.1%	<u>10</u> 10.3%	<u>6</u> 6.2%	Mean = 2.58 StdDev = 1.098												



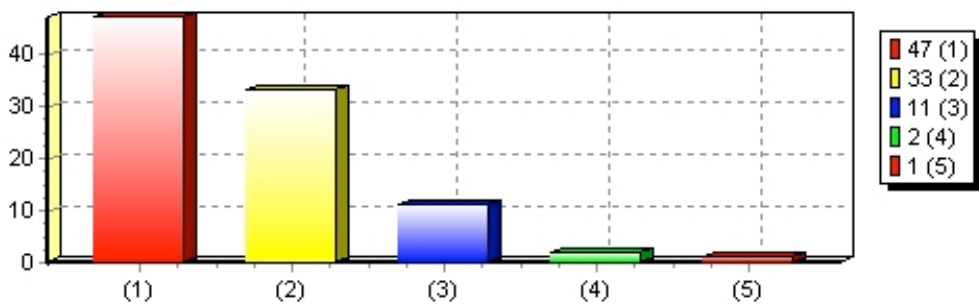
Comments

- Our campus would have trouble paying for it. [2]
- but I could not afford to come as much [1]
- It is great that there is an agreement with the district, we just have to work out the bus funds. [2]
- Great value- yes The money to go- no [3]

33 * -	Trip was aligned to your classroom curriculum	<u>48</u>	<u>43</u>	<u>4</u>	<u>0</u>	<u>1</u>	Mean = 1.57 StdDev = 0.677
		50.0%	44.8%	4.2%	0%	1.0%	



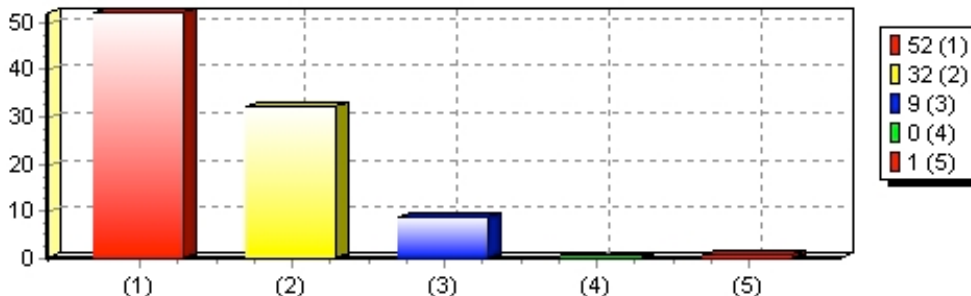
34 * -	Exhibit guides were eager to help	<u>47</u>	<u>33</u>	<u>11</u>	<u>2</u>	<u>1</u>	Mean = 1.69 StdDev = 0.843
		50.0%	35.1%	11.7%	2.1%	1.1%	



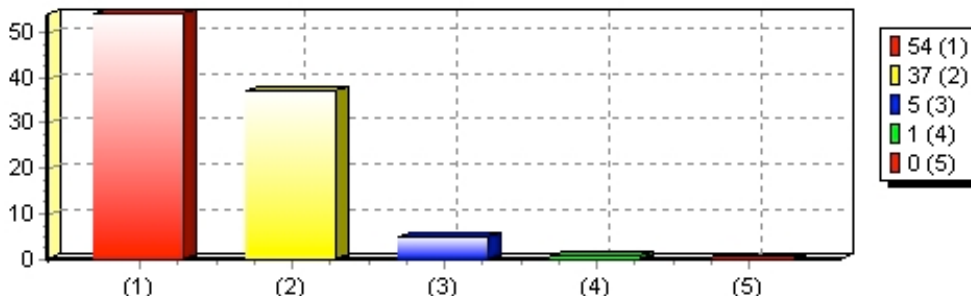
Comments

- The support here was incredible! [1]

35 *	Exhibit guides were knowledgeable	52	32	9	0	1	Mean = 1.57 StdDev = 0.755
		55.3%	34.0%	9.6%	0%	1.1%	



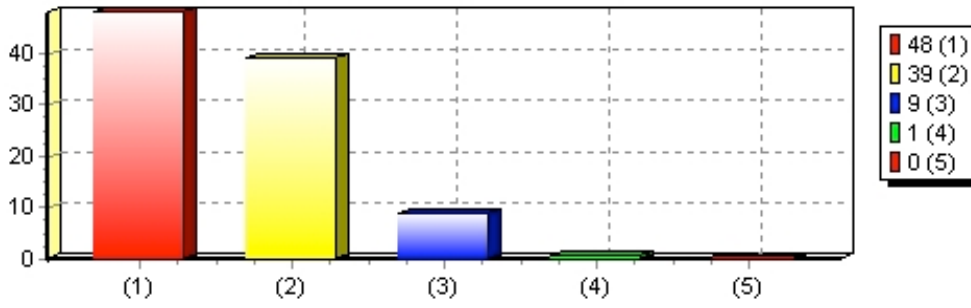
36 *	Exhibits were relevant and engaging	54	37	5	1	0	Mean = 1.52 StdDev = 0.647
		55.7%	38.1%	5.2%	1.0%	0%	



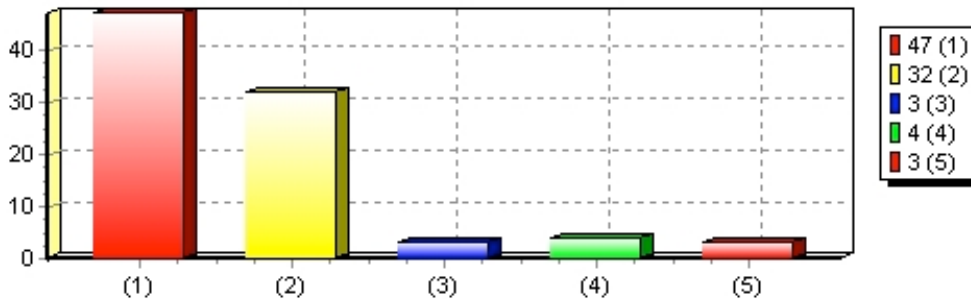
Comments

- There was a video in the body exhibit that showed various animals giving birth. This was too graphic for first grade. It would have been nice if the staff had turned off this monitor when our young students were there. The teachers were guiding the children away from it. [3]

37 *	Trip was aligned with TEKS/TAKS	48	39	9	1	0	Mean = 1.62 StdDev = 0.699
		49.5%	40.2%	9.3%	1.0%	0%	



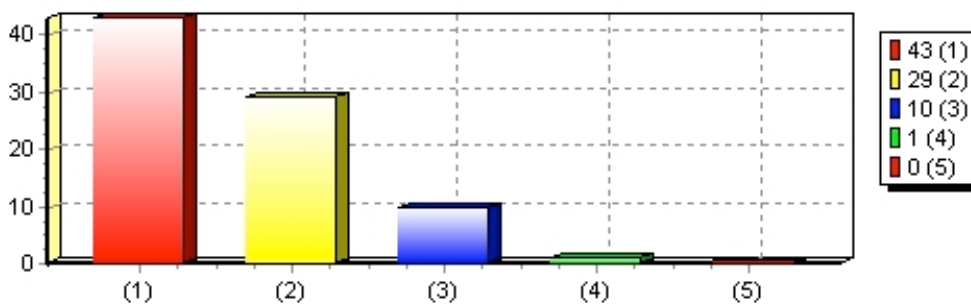
38	Space Theater show was relevant and engaging	<u>47</u>	<u>32</u>	<u>3</u>	<u>4</u>	<u>3</u>	Mean = 1.70 StdDev = 0.982
		52.8%	36.0%	3.4%	4.5%	3.4%	



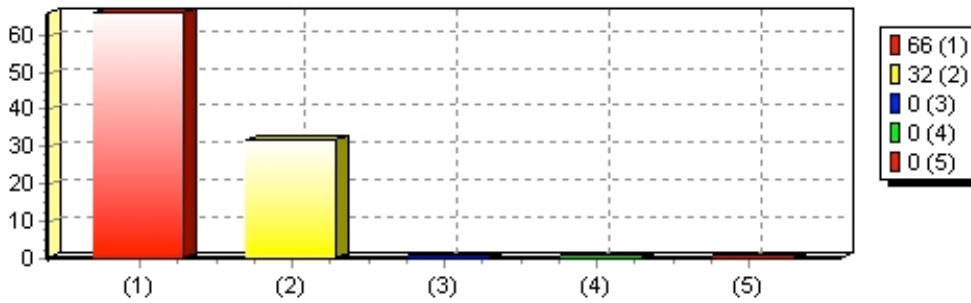
Comments

- The vocabulary was difficult on one. The other had pictures that I felt could have been left out. [5]

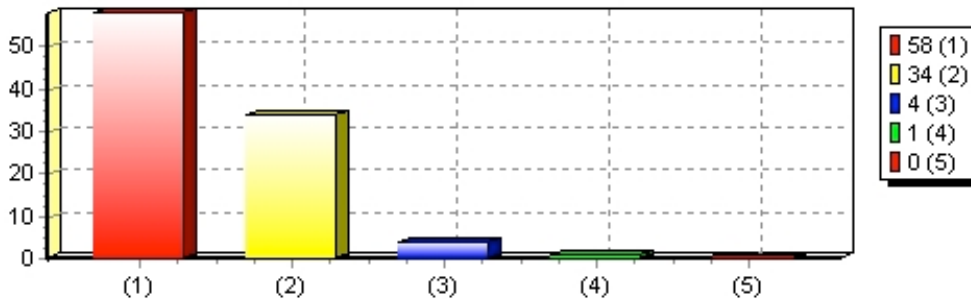
39	The lab experience was relevant and engaging	<u>43</u>	<u>29</u>	<u>10</u>	<u>1</u>	<u>0</u>	Mean = 1.63 StdDev = 0.744
		51.8%	34.9%	12.0%	1.2%	0%	



40	Facilities clean and welcoming	<u>66</u>	<u>32</u>	<u>0</u>	<u>0</u>	<u>0</u>	Mean = 1.33 StdDev = 0.471
		67.3%	32.7%	0%	0%	0%	



41 * _	Overall experience was an excellent class field trip	<u>58</u> 59.8%	<u>34</u> 35.1%	<u>4</u> 4.1%	<u>1</u> 1.0%	<u>0</u> 0%	Mean = 1.46 StdDev = 0.630



Grand mean for items 30 through 41 = 1.61

#	Question
42 * _	<p>Questions or comments you might have</p> <ul style="list-style-type: none"> • The space theater show was terrific, but the information states Scientific theories as though they were facts. I believe the movie should focus on that which we have discovered about the solar system and beyond, rather than giving so much attention to a highly disputed "timetable" of events in the universe. • I would like to get monthly or semi-monthly update of what the exhibits are, for how long, cost, etc. When we think of the Discovery Center - we have to do a lot of leg work and that is time consuming. Communication by email would be great/ • The best place for field trips! • The last time I went with a group, there were no guides in the big exhibit room. • thank you for our wonderful Discovery Center - we all love it! • i teach at a middle income school and we don't always have money for the bus. This fact makes it difficult for us to participate in field trips. • It is hard for me to rate this since I haven't been in a long time. I think when I last went the workers did an experiment but didn't get the students involved, they just watched.

The groups were too large to manage in the lab experiment.

- The Discovery Center provides wonderful learning opportunities, but they are not specific/structured enough at times. The activities need to be directed and explained thoroughly. Objectives should be specific and an assessment for learning should be provided.
- Our principal would not have had the money in the budget to send us if WOWW hadn't paid. Funding in the future is our biggest obstacle.
- We would not get to come if we had to pay because of the student's ability to pay.
- I don't know why our science teacher doesn't take the kids. It may have to do with paying for the bus.
- Without a contract, we would not be able to go on this field trip. I very much hope that AISD continues to support this experience.
- I love taking my students, unfortunately with limited budgets, if there was not a contract with AISD we would have to choose another option for our students out of necessity.
- My class has never been to the discovery center.
- We really enjoyed our trip to the Discovery Center and are looking forward to more trips.
- I'm sorry if you were hoping for input from a teacher who had planned a field trip. As previously stated, I have only attended the DC as a teacher with Family Science Night. I might not have been the best person to ask either about TEKS alignment, since question #37 implies that you do align with TEKS. I have enjoyed all of my DC trips with my kids, however. One thing I would suggest is: on MLK holiday, you sent out a flyer announcing that the DC was open even though school wasn't. The flyer also advertised the new roller coaster exhibit, that wouldn't open until THE NEXT DAY. My babysitter took my kids to the DC that day, and found it disappointing that the roller coaster exhibit wasn't ready to go - we both thought it odd that it was advertised but unavailable. Again, sorry if I wasn't as helpful as a teacher who had planned a field trip, but perhaps as a teacher who is also a parent... :)
- I would consider it a great value but there is no money for anything like it at the kindergarten level. Our parents can't afford it and neither could our school. Please keep the contract.
- It had been about 2 years since my last visit and I thoroughly enjoyed it as did my students.
- Commentary during planetarium show was difficult to understand.
- I'm not even sure what you offer for our students that align with 4th grade TEKS.
- Thank you for the invitation to The Discovery Center. Family night is always a great night for the children and parents. They all have fun while learning. You can see it in the children as well as parents when their eyes light up with everything they see, but the best part is when they can actually touch and that makes a difference.
- we have an extremely hard time understanding the planetarium dude. also, the space theater was not working...
- I would like to see more live experiments for the kids, things geared for young children...where they could actively participate with the presenter. (kindergarten)
- At this time it was not aligned with TAKS.

Comments

- I teach physical education. [n/a]

Thank you for taking the time to complete this survey! Your results will help us serve you better.

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