SurveyMonkey.com
because knowledge is everything

Logged in as "zronneberg" Log Off

Home | Create Survey | My Surveys | Address Book | My Account | Help Center

survey title:
Sound Unit Feedback Edit Title

design survey | collect responses | analyze results

- View Summary
- Browse Responses
- Filter Responses
- Download Responses
- Share Responses

current report: Default Report Add Report

Response Summary

Total Started Survey: 100
Total Completed Survey: 97 (97%)

Show this Page Only

Page: General Info

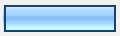
1. General Info

		Response Percent	Response Count
view	Name	100.0%	100
view	Date	100.0%	100
view	Period	100.0%	100
	answered question		100
	skipped question		0

2. What level of physics are you in?

	Response Percent	Response Count
Honors	69.0%	69
Regular	31.0%	31
answered question		100
skipped question		0

3. What type of instrument did you build for the ANTSR P-BLOp? (choose the one that is closest to your instrument)

		Response Percent	Response Count
xylophone or marimba		**29.0%**	29
thumb piano (Mbira)		5.0%	5
pan pipe		20.0%	20
closed end drum/tube (tube with permanent covering on one end which you hit)		6.0%	6
Open ended tube (tube with both ends open that you hit with a paddle or your hand)		6.0%	6
Flute (double open end with tone holes)		8.0%	8
Recorder, Clarinet (fixed reed attached to a tube with tone holes)		1.0%	1
Slide whistle (fixed reed attached to variable length tube with slide)		0.0%	0
Trombone, Trumpet (tube that you buzz your lips on)		3.0%	3
Harp, lute, dulcimer (stringed instrument with multiple strings and no frets)		3.0%	3
Acoustic Multi-String Guitar, Banjo, Bass, Cello, Violin, (multiple-stringed instrument with a hollow body and a neck - fretted or fretless)		10.0%	10
Acoustic Single String guitar, Banjo, Bass, (single stringed instrument with a hollow body and a neck - fretted or fretless)		1.0%	1
Electric Guitar, Bass, Banjo, Cello, Violin (used an electromagnetic pickup and an amp to amplify sounds)		5.0%	5
view Other (please specify)		3.0%	3
	answered question		**100**
	skipped question		**0**

4. What were your main motivations for picking this instrument? Choose all that honestly apply.

	Response Percent	Response Count
I was really interested in it before the project started	19.0%	19
I already knew how to play it	23.0%	23
It caught my attention when you showed pictures or examples of it in class	17.0%	17
I thought it would be easy to make	43.0%	43
I thought it would be easy to play	**52.0%**	52
I thought it would sound nice	48.0%	48
view Other (please specify)	30.0%	30
	answered question	**100**
	skipped question	**0**

5. How satisfied were you with how your instrument turned out?

	Response Percent	Response Count
It rocked!!!	17.0%	17
very satisfied	**37.0%**	37
It turned out ok	36.0%	36
I wasn't happy with it	6.0%	6
I was very dissapointed	4.0%	4
Please describe why you felt this way (response is necessary, not optional) view		70
	answered question	**100**
	skipped question	**0**

Show this Page Only

Page: Likes and Dislikes

6. Rate how you felt about each of these different pieces of the project

	hated it	didn't really like it	meeeh, I don't know	was ok	loved it	Rating Average	Response Count
playing music on your instrument	1.0% (1)	8.1% (8)	9.1% (9)	**43.4% (43)**	38.4% (38)	4.10	99
listening to music played by your peers	0.0% (0)	2.0% (2)	9.1% (9)	25.3% (25)	**63.6% (63)**	4.51	99
Seeing the instruments others had built	0.0% (0)	0.0% (0)	6.1% (6)	26.3% (26)	**67.7% (67)**	4.62	99
learning about fundamental sound concepts	2.0% (2)	4.0% (4)	17.2% (17)	**53.5% (53)**	23.2% (23)	3.92	99
Learning how sound concepts apply to your instrument in particular	1.0% (1)	5.1% (5)	15.2% (15)	**46.5% (46)**	32.3% (32)	4.04	99
learning about how instruments work	1.0% (1)	2.0% (2)	8.1% (8)	41.4% (41)	**47.5% (47)**	4.32	99
designing your instrument	1.0% (1)	6.1% (6)	18.2% (18)	**47.5% (47)**	27.3% (27)	3.94	99
building your instrument	2.0% (2)	12.1% (12)	16.2% (16)	**40.4% (40)**	29.3% (29)	3.83	99
Other things you really liked or disliked? (optional) view							37
					answered question		**99**
					skipped question		**1**

Show this Page Only

Page: Concepts Learned

7. Now that you have been away from the sound project for a few weeks, Mr. Ronneberg is interested to know what concepts really stuck with you. Please try to give an honest rating of your understanding of each of the following concepts at this moment.

	um... what's that?	That sounds familiar, but I don't remember specifics	I feel fairly confident with that	I could teach this concept to someone else	Rating Average	Response Count
longitudinal vs transverse waves	0.0% (0)	6.1% (6)	43.4% (43)	**50.5% (50)**	3.44	99

how sound waves are transmitted	0.0% (0)	12.1% (12)	**56.6% (56)**	31.3% (31)	3.19	99
the relationship between wave velocity, frequency, and wavelength	0.0% (0)	13.1% (13)	39.4% (39)	**47.5% (47)**	3.34	99
superposition and interference	7.1% (7)	22.2% (22)	**42.4% (42)**	28.3% (28)	2.92	99
traveling vs standing waves	0.0% (0)	20.2% (20)	**50.5% (50)**	29.3% (29)	3.09	99
how standing waves are created	5.1% (5)	24.2% (24)	**45.5% (45)**	25.3% (25)	2.91	99
how wind instruments produce different sounds	0.0% (0)	22.2% (22)	**42.4% (42)**	35.4% (35)	3.13	99
how percussion instruments produce different sounds	2.0% (2)	19.2% (19)	**45.5% (45)**	33.3% (33)	3.10	99
how stringed instruments produce different sounds	0.0% (0)	14.1% (14)	42.4% (42)	**43.4% (43)**	3.29	99
How to measure the speed of a wave	1.0% (1)	18.2% (18)	**48.5% (48)**	32.3% (32)	3.12	99
the doppler effect	2.0% (2)	14.1% (14)	36.4% (36)	**47.5% (47)**	3.29	99
sonic booms	12.1% (12)	**31.3% (31)**	**31.3% (31)**	25.3% (25)	2.70	99
Other concepts you feel you learned well or concepts you feel you didn't get a chance to learn? view						29
					answered question	**99**
					skipped question	**1**

8. What are the 1 or 2 things you feel like stuck with you best (what you remember the most) from the sound unit? (this can be related to anything).

	Response Count
view	99
answered question	**99**
skipped question	**1**

Show this Page Only

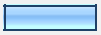
Page: mini quiz

9. When a standing wave is set up by blowing over the opening at the top of a closed end plastic tube, which of the following are true? (check all that apply)

	Response Percent	Response Count
air molecules are moving back and forth from the opening to the closed end and back to the opening	43.3%	42
the air near the opening is vibrating back and forth, but the air near the closed end is moving almost none.	57.7%	56
many different standing wave patterns (harmonics) are all happening at once	48.5%	47
the frequency is mainly determined by the length of the pipe and the speed of sound in plastic.	14.4%	14
the frequency is mainly determined by the length of the pipe and the speed of sound in the air.	88.7%	86
the open end is a node	6.2%	6
the closed end is a node	**91.8%**	89
	answered question	**97**
	skipped question	**3**

10. when you tighten the string of a guitar the pitch (frequency) you hear goes up because... (choose all that apply)

	Response Percent	Response Count
the speed of the waves on the string changes	79.4%	77
the wavelength of the waves on the string changes	46.4%	45
the frequency of the waves on the string changes	**86.6%**	84

the speed of waves in the air changes		20.6%	20
the wavelength of waves in the air changes		23.7%	23
the frequency of the waves in the air changes		44.3%	43
		answered question	**97**
		skipped question	**3**