



# SURVEY REPORT

## Summary

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### Survey Name:

'Concepts of Physics' Classroom Technology Survey

### Offering Name:

"Concepts of Physics" Classroom Technology Survey

A total of **43** people completed this survey.

Number of people who left the survey without completing it per page number:

- Page 1: **1**
- Page 2: **0**
- Page 3: **0**
- Page 4: **0**
- Page 5: **0**

## Page 1

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### Question 1

In which year of college are you?

First		18.6%
Second		53.49%
Third		20.93%
Fourth		0%
Fifth	■	2.33%
Sixth or beyond	■	4.65%
N/R		0%

### Question 2

What is your age in years?

- 23
- 19
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- 20

**Question 3**

With regard to computer-based technology in general, how do you consider yourself?

Completely ignorant.		0%
Somewhat ignorant.	■	4.65%
Neutral.	■	16.28%
Somewhat knowledgeable.	■	72.09%
Extremely knowledgeable.	■	6.98%
N/R		0%

**Question 4**

What type of computer-based technologies are you most familiar with? (Select more than one if they apply)

Desktop computer.	■	62.79%
Laptop computer.	■	16.28%

Tablet computer (similar to what the instructor in the "Concepts of Physics" class uses.)		4.65%
Hand-held devices (similar to those that you use in the "Concepts of Physics" class).		0%
Cell phones		16.28%
N/R		0%

## Page 2

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### Question 5

For how long before this class have you been using hand-held devices?

### Question 6

What is the make and model of the hand-held device that you use?

### Question 7

What do you mostly use your hand-held device for? (If more than one are equally applicable, please select all the ones that apply)

Keeping appointments in a calendar.		0%
Sending and receiving email.		0%
Browsing the Web.		0%
Taking notes.		0%
Doing math calculations.		0%
Verbal communication.		0%
Other:		0%
N/R		0%

Other Text:

## Page 3

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### Question 8




























Please rate the extent of your agreement with each of the statements below regarding the use of the hand-held computer shown below in your "Concepts of Physics" class. (1= Strongly Disagree, 5 = Strongly Agree)





















**8.1** The hand-held computers are easy to use in class.

Strongly Disagree		0%
Disagree		6.98%
Neutral		25.58%
Agree		41.86%
Strongly Agree		25.58%
N/R		0%

**8.2** I seldom experience any technical difficulties when I use the hand-held computers in class.

Strongly Disagree		11.63%
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	Disagree		30.23%
	Neutral		27.91%
	Agree		20.93%
	Strongly Agree		9.3%
	N/R		0%
<b>8.3</b>	The software that enables us to answer questions on the hand-held computers in class is user-friendly.		
	Strongly Disagree		0%
	Disagree		11.63%
	Neutral		18.6%
	Agree		44.19%
	Strongly Agree		23.26%
	N/R		2.33%
<b>8.4</b>	The directions provided by the instructor to use the hand-held computers in class were clear.		
	Strongly Disagree		0%
	Disagree		6.98%
	Neutral		16.28%
	Agree		46.51%
	Strongly Agree		30.23%
	N/R		0%
<b>8.5</b>	Responding to the questions in class by using the hand-held computers was useful to my learning.		
	Strongly Disagree		2.33%
	Disagree		13.95%
	Neutral		20.93%
	Agree		34.88%
	Strongly Agree		27.91%
	N/R		0%
<b>8.6</b>	Interacting with other students while discussing the questions in class to be answered on the hand-held computers was very useful to my learning.		
	Strongly Disagree		2.33%
	Disagree		9.3%
	Neutral		27.91%
	Agree		32.56%
	Strongly Agree		27.91%
	N/R		0%
<b>8.7</b>	The questions that we answer on the hand-held computers appear to provide useful feedback to the instructor when we don't understand.		
	Strongly Disagree		2.33%
	Disagree		2.33%
	Neutral		25.58%
	Agree		32.56%

	Strongly Agree		37.21%
	N/R		0%
<b>8.8</b>	After we respond to the questions on the hand-held computers, the instructor often clarifies what we did not understand.		
	Strongly Disagree		2.33%
	Disagree		4.65%
	Neutral		13.95%
	Agree		37.21%
	Strongly Agree		41.86%
	N/R		0%
<b>8.9</b>	I recommend that other instructors in my other classes also use these hand-held computers.		
	Strongly Disagree		4.65%
	Disagree		13.95%
	Neutral		25.58%
	Agree		34.88%
	Strongly Agree		20.93%
	N/R		0%
<b>8.10</b>	My experience with hand-held computers in this class has made it more likely for me to use these or other similar technologies in my own teaching if I have the opportunity.		
	Strongly Disagree		6.98%
	Disagree		18.6%
	Neutral		11.63%
	Agree		46.51%
	Strongly Agree		16.28%
	N/R		0%

### Question 9

Please provide any comments below about the hand-held computers that you use in the class.

- I love using these hand-held computers. I really like how it provides feedback directly to the teacher. I plan on getting one of these, for my own personal use.
- I like them, but they can be an inconvenience sometimes when there are problems with them. Like when they don't want to connect to internet, or when they just don't want to work at all.
- I like them. It is something new and different.
- The games should be deleted because many students sit and play cards all hour.
- I think they are a good Idea and help clarify concepts but sometimes they take away from class time when were trying to get them to work
- If the computers were working, it was helpful. However, the didn't always work, and I feel it took a lot of valuable class time to try and fix them.
- Once the technical difficulties stop causing problems, I think that they will be very useful in this class.
- The hand-held computers are helpful for the teacher to see how much the students know. But in a way, I think they take more time because there always seems to be problems with them.
- I like the hand-held computers, but there were many technical problems that became very

annoying after awhile.

- make sure the answer to question is clearly stated after each question to make sure students know
- It is very easy to get distracted when there are games and access to other internet webpages on the tablets.
- Please make sure and specifically say what the correct answer is. Sometimes we aren't able to see the results
- The best thing about the hand-held computers is that they provide useful feedback to the instructor about whether or not we understand
- I think that it is a creative way to get feedback from students.
- While they are a good way for the teacher to asses our understanding of a concept, they are sometimes more trouble than they are worth.
- This machines were useful sometimes. I like that the instructor can see our answers come in, but I think they take of to much time in class, fixing machines, switching takes away from learning time.
- They are really easy to use and with the questions and response method it is easy to participate in class. It seems to really show the weak areas of the class to the professor.
- I would like you to exactly state the answer to the questions after we answer and why.
- I really dont like to use them.
- They take up too much time and most of the time they do not work. We could answer the same questions on paper and raise our hands to show a response.
- I didn't really have a comment for that. I just wanted to say that for question 4, it would not allow me to choose more than one. I would choose them all if it would have let me.
- I feel in todays society we are depending too much on technologies.

## Page 4

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### Question 10

Please rate the extent of your agreement with each of the statements below. (1= Strongly Disagree, 5 = Strongly Agree)

**10.1** I prefer the instructor's use of the portable computer in the class compared to the use of the blackboard.

Strongly Disagree		0%
Disagree	■	9.3%
Neutral	■	13.95%
Agree	■	23.26%
Strongly Agree	■	53.49%
N/R		0%

**10.2** Whatever the instructor writes on the portable computer is always clearly visible and legible.

Strongly Disagree		0%
Disagree	■	18.6%
Neutral	■	18.6%
Agree	■	37.21%
Strongly Agree	■	25.58%
N/R		0%

**10.3** I recommend that instructors in my other classes also use the portable computer in this way.

Strongly Disagree		0%
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Disagree		16.28%
Neutral		23.26%
Agree		32.56%
Strongly Agree		27.91%
N/R		0%

### Question 11







Please provide any comments below about the instructor's use of the portable computer in class.

- I prefer the use of the portable computer to the blackboard because it is more visible and clearer than the blackboard. Also because it allows the teacher to look at what has already been written
- I like the use of the portable computer in class because it is visible to all of us. It is also convenient to be able to see the notes online, so we can go back and make sure we have everything later
- It is a neat way to take notes.
- I think the computer is a good idea because it makes the notes larger and easier to follow
- Some class time was lost when the instructor tried to change colors or erase things. Also, sometimes the software would erase notes itself after he had written them.
- Sometimes the teachers writing can get a little sloppy, but no big deal.
- It was cleaner and more clear than a chalkboard.
- I think it takes too much time going back and forth a lot of times
- I like that I can see the notes clearly, especially where the room has stadium seating
- Notes on the projector, whether through PowerPoint or the portable computer, is great...just as long as it's not directly on the chalkboard
- I like the portable computer because it is easier to read than the blackboard.
- I like the tablet computer because it allows for everybody in class to see what is being written.
- sometimes it acts up and the words become bubbled or separate by themselves. other than that is much more useful because he can fit more on there.
- I prefer the portable computer over the blackboard when it works properly. However I still like overheads on a big screen that are print out and then added too as needed with equations and other stuff
- Relying heavily on technologies will only slow down the learning process.

### Page 5

### Question 12

I look at the notes *prepared in advance of the class by the instructor...*

never.		32.56%
only before each test.		18.6%
less than once a week but more often than just before the test.		9.3%
about once a week.		13.95%
for almost every class.		4.65%
for every class.		0%
I would like to look at the notes but my computer won't read them.		2.33%

I did not know that these notes were available.		18.6%
N/R		0%

### Question 13

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I look at the notes *posted after the class from the instructor's portable computer...*

never.		39.53%
only before each test.		23.26%
less than once a week but more often than just before the test.		13.95%
about once a week.		6.98%
for almost every class.		6.98%
for every class.		2.33%
I would like to look at the notes but my computer won't read them.		4.65%
I did not know that these notes were available.		2.33%
N/R		0%

### Question 14

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Please enter any other comments that you may have about the class notes posted on K-State Online.

- I like having them online, because, that way, if I miss something in class or if I wasn't able to make it to class, I have the online notes to go back and look at.
- I need to start looking at these notes because they are there for the students and I need to take advantage of them.
- they're great!
- I don't have the right program on my computer so I am not able to access the instructors notes online.
- If I ever missed class, these would be very beneficial...it's nice to have that resource available.
- I didn't know that the notes were posted before hand and I always attend class and take down the notes that he writes.
- I 've tryed looking at the notes written in class, but my computer couldn't read them I guess.
- I've never looked at them.
- I take notes in class, so I never thought I needed to copy them from K-state online.
- once again i think K-State needs to focus more on teaching the information instead of using new technology.
- This is a great help!
- I think that it would be helpful to write down the question posed to the class along with the answer instead of just the answer.

- End of Survey -

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