



Harold Washington College Science Assessment, Fall 2008

Demographics section written by HWC Assessment Committee.

Epistemological Beliefs Assessment for Physical Science (EBAPS) written by Andrew Elby, John Frederiksen, Christina Schwarz, & Barbara White at Univ. of California, Berkeley in 2001.

DEMOGRAPHICS SECTION

The following demographic questions will be used to determine whether the sample of students who take this assessment are a representative sample of the student body at large in order to check the reliability of the data obtained.

Please fill in marks like this:



not like this:



1. Please indicate the total number of college level credit hours that you have passed (grade C or better):
At HWC: 0 1-15 16-30 31+
2. Please indicate the total number of college level credit hours that you have passed (grade C or better):
At other colleges: 0 1-15 16-30 31+
3. At HWC we define **the Natural Sciences** as the life sciences (Biology, Zoology, and Botany) and the physical sciences (Physics, Chemistry, and Earth Sciences - Geology, Meteorology Oceanography and Astronomy). Given that definition, please indicate how many courses you have successfully completed in **the Natural Sciences**:
At HWC: 0 1-2 3+
4. Given that definition, please indicate how many courses you have successfully completed in **the Natural Sciences**:
At other colleges: 0 1-2 3+
5. Please indicate your sex:
 Female
 Male
6. Please indicate your race and/or ethnicity:
 African American/Black Arab/Arab American Asian American/Pacific Islander
 Hispanic/Latino/Chicano Multi-racial/Multi-Ethnic Native American/Alaska Native
 White/Caucasian
7. Please indicate your age:
 25 or under 41-60
 26-40 61+
8. Please indicate your current academic status:
 Full time (enrolled 12 credit hours or more)
 Part time (enrolled less than 12 credit hours)

The following questions will ask you about your interests, values, and opinions related to the Natural Sciences (the life sciences: Biology, Zoology, and Botany). Use this time to think honestly about yourself.

		Highly Comfortable	Comfortable	Uncomfortable	Highly Uncomfortable	
9. Please indicate your comfort level with:						
a.	science.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	
b.	math.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	
c.	writing.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	
d.	reading.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	
e.	arts.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	
10. I think studying the natural sciences:		Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
a.	has given me new ways to think about my own life.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>
b.	has given me important skills to use in other classes.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>
c.	has not helped me reach my academic and/or personal goals.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>
d.	has helped me become a more rational/logical person.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>
e.	has not helped broaden my interest in scientific topics.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>
f.	is something I would have done even if there were not a science requirement.....	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>

11. Compared to the time before I came to HWC, I am now more likely to:

	Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
a. read different types of books.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
b. enjoy different types of science shows (i.e. Discovery Channel).....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
c. read scientific articles in newspaper or magazines.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
d. relate science to race or ethnicity.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
e. relate science to sex or gender.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
f. relate science to sexuality.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
g. relate science to religion.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
h. relate science to society.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
i. relate science to politics.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
j. discuss life's big questions.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>

12. Compared to the time before I came to HWC, I am now more likely to:

a. search for meaning in books and articles I read.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
b. attend a science event.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
c. visit a museum or research laboratory.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
d. bring family, friends, or coworkers to a science event.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
e. feel confident about understanding what I read, see, and hear.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
f. feel confident about interpreting scientific works.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
g. feel confident about what I write.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
h. feel confident about what I say in class.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>
i. find value in scientific works even if I don't understand them.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>

13. Since coming to HWC, have you attended or otherwise experienced (indicate all that apply):

	Yes, and it was a new experience	Yes, but it was not new to me	No, but I have experienced this before	No, and I have never experienced this
a. the Museum of Science and Industry, Planetarium, Aquarium, or the Field Museum of Natural History.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>
b. a science-related special event (i.e. Body Works or Science in the City).....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>
c. a film presentation of a science-related documentary.....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>
d. a science-related lecture or educational presentation (non-credit).....	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>
e. a debate on a scientific topic (i.e. climate change).	☹	☹	<input type="checkbox"/>	<input checked="" type="radio"/>