

***THE NATIONAL ASSESSMENT OF  
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**VOLUME II**

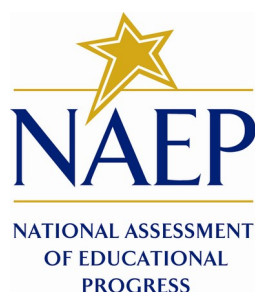
**Part 3 of 8**

***BACKGROUND QUESTIONS***

***FOR 2008 ASSESSMENT***

***Grade 12 Student Background Questions***

- ***Science Pilot***
- ***Reading motivation special study***



*Volume II contains:*

- Part 1 of 8 - Student Grade 4: Pilot Science
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- **Part 3 of 8 - Student Grade 12: Pilot Science**
  
- Part 4 of 8 - Teacher Grade 4 (Background, Education, Training; Reading, Mathematics, Science)
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- Part 8 of 8 - School Grade 12 (School Characteristics & Policies; Reading, Mathematics, Science)

*June 29, 2007*

# STUDENT QUESTIONNAIRES

## OMB Information on Student Questionnaire Cover Page

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control numbers for this information collection are 1850-0790. The time required to complete this information collection is estimated to average 75 minutes per booklet, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: U.S. Department of Education, Washington, D.C. 20202-4651. If you have comments or concerns regarding the status of your individual submission of this form, write directly to: NAEP/NCES, U.S. Department of Education, 1990 K Street N.W., Washington, D.C. 20006-5651.

A project of the National Center for Education Statistics of the Institute of Education Sciences.

This report is authorized by law (P.L. 107-110, 20 U.S.C. §9010). While your participation is voluntary, your cooperation is needed to make the results of the survey comprehensive, accurate, and timely. The information you provide is being collected for research purposes only and will be kept strictly confidential.

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## Student Questionnaire Science – Grade 12

### Section 4

This section has 13 questions. Mark your answers in your booklet.

1. WHICH COURSES HAVE YOU TAKEN FROM EIGHTH GRADE TO THE PRESENT? IF YOU HAVE TAKEN A COURSE MORE THAN ONCE, GIVE THE MOST RECENT YEAR YOU TOOK IT. FILL IN **ONE OVAL** ON EACH LINE. INCLUDE COURSES TAKEN IN SUMMER SCHOOL, BUT DO NOT INCLUDE TOPICS THAT WERE ONLY TAUGHT AS PART OF A LONGER COURSE. (NEW) [12]

	Course not taken	I took this course in Grade 8	I took this course in Grade 9	I took this course in Grade 10	I took this course in Grade 11	I am taking or have taken this course in Grade 12	[Same at:]	
a. Earth and space science	A	B	C	D	E	F	[12]	(NEW)
b. Life science (other than biology)	A	B	C	D	E	F	[12]	(ID110227)
c. Physical science (other than chemistry or physics)	A	B	C	D	E	F	[12]	(ID110228)
d. General science	A	B	C	D	E	F	[12]	(ID110229)
e. Integrated science	A	B	C	D	E	F	[12]	(ID110230)
f. First-year biology	A	B	C	D	E	F	[12]	(ID110231)
g. Second-year biology	A	B	C	D	E	F	[12]	(ID110232)
h. First-year chemistry	A	B	C	D	E	F	[12]	(ID110233)
i. Second-year chemistry	A	B	C	D	E	F	[12]	(ID110234)
j. First-year physics	A	B	C	D	E	F	[12]	(ID110235)
k. Second-year physics	A	B	C	D	E	F	[12]	(ID110236)
l. Engineering and technology	A	B	C	D	E	F	[12]	(NEW)

m. Other science  
course

A

B

C

D

E

F

[12]

(ID110238  
)

2. Are you currently enrolled in or have you taken any online science courses for high school or college credit? (NEW) [12]
- A Yes
  - B No
3. Are you currently enrolled in or have you taken an Advanced Placement course in science? Fill in ovals for **all** that apply. (ID110275) [12]
- A Yes, I am enrolled in or have taken Advanced Placement Biology.
  - B Yes, I am enrolled in or have taken Advanced Placement Environmental Science.
  - C Yes, I am enrolled in or have taken Advanced Placement Chemistry.
  - D Yes, I am enrolled in or have taken Advanced Placement Physics B or C.
  - E Yes, I am enrolled in or have taken Advanced Placement Computer Science A or AB.
  - F No, I have never taken an Advanced Placement science course.
4. Are you currently enrolled in or have you taken International Baccalaureate courses in science? (ID110276) [12]
- A Yes
  - B No

5. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line. (NEW) [8/12]

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every science class	[Same at:]	
a. Read a science textbook	A	B	C	D	[8/12]	(NEW)
b. Read a book or magazine about science	A	B	C	D	[8/12]	(NEW)
c. Watch a movie, video or DVD about science	A	B	C	D	[8/12]	(NEW)
d. Watch your teacher do a science experiment or activity	A	B	C	D	[8/12]	(NEW)
e. Take a science test or quiz	A	B	C	D	[8/12]	(NEW)

6. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line. (NEW) [12]

	Never or hardly ever	Once or twice a month	Once or twice a week	Almost every science class	[Same at:]	
a. Identify questions that can be addressed through science experiments	A	B	C	D	[12]	(NEW)
b. Discuss events in the news that are related to what you are learning in science class	A	B	C	D	[12]	(NEW)
c. Work with other students on a science project or activity	A	B	C	D	[12]	(NEW)
d. Make graphs or charts of the results from your science project or activity	A	B	C	D	[12]	(NEW)
e. Design a science experiment	A	B	C	D	[12]	(NEW)
f. Talk about measurements you took for your science project or activity	A	B	C	D	[12]	(NEW)
g. Talk about the results of your science project or activity	A	B	C	D	[12]	(NEW)
h. Figure out different ways to solve a science problem	A	B	C	D	[12]	(NEW)
i. Present what you learned about science to your class	A	B	C	D	[12]	(NEW)

7. In your science class this year, are there any computers or other technological resources you can use in the classroom? (NEW) [8/12]

- A Yes
- B No





8. Please indicate how much you DISAGREE or AGREE with the following statements about science. Fill in **one** oval on each line. (NEW) [8/12]

	Strongly disagree	Disagree	Agree	Strongly agree	[Same at:]	
a. Because science is interesting, I wouldn't want to give it up.	A	B	C	D	[8/12]	(NEW)
b. I do science-related activities in my spare time.	A	B	C	D	[8/12]	(NEW)
c. When I do science-related activities, I sometimes get totally absorbed.	A	B	C	D	[8/12]	(NEW)
d. I like science.	A	B	C	D	[8/12]	(NEW)
e. Science is one of my favorite subjects.	A	B	C	D	[8/12]	(NEW)
f. I take science only because I have to.	A	B	C	D	[8/12]	(NEW)
g. I take science only because it will help me in the future.	A	B	C	D	[8/12]	(NEW)

9. How much education do you think you will complete? [12] (QK070697)

- A I will not finish high school.
- B I will graduate from high school.
- C I will have some education after high school.
- D I will graduate from college.
- E I will go to graduate school.
- F I don't know.

10. What do you expect that your main activity will be in the year after you leave high school?  
[12] (VC101417)

- A Working full time
- B Attending a vocational, technical, or business school
- C Attending a two-year college
- D Attending a four-year college, service academy, or university
- E Serving in the military
- F Other

11. How hard was this test compared to most other tests you have taken this year in school?  
(VB595182) [4/8/12]

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D Much harder than other tests

12. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? (VC034559) [4/8/12]

- A Not as hard as on other tests
- B About as hard as on other tests
- C Harder than on other tests
- D Much harder than on other tests

13. How important was it to you to do well on this test? (VB595184) [4/8/12]

- A Not very important
- B Somewhat important
- C Important
- D Very important

## Student Questionnaire Science – Grade 12

**NOTE:** These are questions from the 2005 Science student questionnaire being given in 2008 as part of a bilingual book.

This section has 14 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

1. How much do you agree with the following statements? Fill in **one** oval on each line.  
(HE002996)

	Disagree	Not sure	Agree
a. I like science. (HE002997)	A	B	C
b. I am good at science. (HE002998)	A	B	C
c. Science is useful for solving everyday problems. (HE003000)	A	B	C
d. Science is boring. (HE003003)	A	B	C

2. Are you taking a science course this year? (LC000172)

A Yes

B No

3. Which courses have you taken from the eighth grade to the present? You should fill in more than one oval in each row if you have taken a course of that description more than once. If you have never taken a particular course, fill in the oval in the column “**Course not taken.**” **Fill in at least one oval in each row.** (ID110225)

	Course Not Taken	I Took This Course in Grade 8	I Took This Course in Grade 9	I Took This Course in Grade 10	I Took This Course in Grade 11	I Took This Course in Grade 12
	A	B	C	D	E	F
a. Earth (and space) science (ID110226)						
b. Life science (other than biology) (ID110227)						
c. Physical science (other than chemistry or physics) (ID110228)						
d. General science (ID110229)						
e. Integrated science (ID110230)						
f. First-year biology (ID110231)						
g. Second-year biology (ID110232)						
h. First-year chemistry (ID110233)						
i. Second-year chemistry (ID110234)						
j. First-year physics (ID110235)						
k. Second-year physics (ID110236)						
l. Science and technology (ID110237)						
m. Other science course (ID110238)						

4. Are you currently enrolled in or have you taken an Advanced Placement course in science? Fill in ovals for **all** that apply. (ID110275)

- A Yes, I am enrolled in or have taken Advanced Placement Biology.
- B Yes, I am enrolled in or have taken Advanced Placement Environmental Science.
- C Yes, I am enrolled in or have taken Advanced Placement Chemistry.
- D Yes, I am enrolled in or have taken Advanced Placement Computer Science A or AB.
- E No, I have never taken an Advanced Placement science course.

5. Are you currently enrolled in or have you taken International Baccalaureate courses in science? (ID110276)

- A Yes
- B No

6. When you study science in school, how often do you do each of the following? Fill in **one** oval on each line. (HE003014)

	Never or Hardly Ever	Once or Twice a Month	Once or Twice a Week	Almost Every Day
a. Read a science textbook (HE003015)	A	B	C	D
b. Read a book or a magazine about science (HE003016)	A	B	C	D
c. Discuss science in the news (HE003017)	A	B	C	D
d. Work with other students on a science activity or project (WO001033)	A	B	C	D
e. Give an oral science report (WO001034)	A	B	C	D
f. Prepare a written science report (WO001035)	A	B	C	D
g. Do hands-on activities or investigations in science (LD001451)	A	B	C	D
h. Talk about the measurements and results from your hands-on activities or investigations (LD001477)	A	B	C	D
i. Use a computer for science (WO001038)	A	B	C	D
j. Take a science test or quiz (WO001039)	A	B	C	D
k. Use library resources for science (WO001040)	A	B	C	D

7. When you study science in school, how often does your teacher do each of the following?  
Fill in **one** oval on each line. (WO001042)

	<b>Never or Hardly Ever</b>	<b>Once or Twice a Month</b>	<b>Once or Twice a Week</b>	<b>Almost Every Day</b>
a. Do a science demonstration (WO001044)	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
b. Use computers for science (e.g., science software, telecommunications) (WO001046)	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>

8. Do you ever do science projects in school that take a week or more? (LC000147)

- A** Yes
- B** No

9. This year in school, how often have you been asked to write long answers to questions on tests or assignments for science? (QK070712)

- A** Never
- B** Once or twice this year
- C** Once or twice a month
- D** At least once a week

10. How hard was this test compared to most other tests you have taken this year in school?

(VB595182) [4/8/12]

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D Much harder than other tests

11. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? (VC034559) [4/8/12]

- A Not as hard as on other tests
- B About as hard as on other tests
- C Harder than on other tests
- D Much harder than on other tests

12. How important was it to you to do well on this test? (VB595184) [4/8/12]

- A Not very important
- B Somewhat important
- C Important
- D Very important

13. How much education do you think you will complete? [12] (QK070697)

- A I will not finish high school.
- B I will graduate from high school.
- C I will have some education after high school.
- D I will graduate from college.
- E I will go to graduate school.
- F I don't know.

14. What do you expect that your main activity will be in the year after you leave high school?

[12] (TB005501)

- A Working full time
- B Attending a vocational, technical, or business school
- C Attending a two-year college
- D Attending a four-year college, service academy, or university
- E Serving in the regular military service
- F Other



**Student Questionnaire**  
**Reading – Grade 12**  
**(Incentive Study)**

**SECTION 4**

This section has 9 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

1. How often do you do each of the following? Fill in **one** oval on each line. (VB379288)

	<b>Never or hardly ever</b>	<b>Once or twice a month</b>	<b>Once or twice a week</b>	<b>Almost every day</b>	
a. Read for fun on your own time	A	B	C	D	(VB379289)
b. Talk with your friends or family about something you have read	A	B	C	D	(VB379290)

2. NOT including reading that you do for school, how often do you spend time reading each of the following types of **fiction**? Fill in **one** oval on each line. (VB345628)

	<b>Never or hardly ever</b>	<b>A few times a year</b>	<b>Once or twice a month</b>	<b>At least once a week</b>	
a. Comic books or joke books	A	B	C	D	VB345629
b. Fiction books or stories (books or stories about imagined events)	A	B	C	D	VB345630
c. Plays	A	B	C	D	VB345631
d. Poems	A	B	C	D	VB345632

3. NOT including reading that you do for school, how often do you spend time reading each of the following types of **non-fiction**? Fill in **one** oval on each line. (VB345657)

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
a. Biographies or autobiographies	A	B	C	D	VB345658
b. Books about science (for example, nature, animals, astronomy)	A	B	C	D	VB345659
c. Books about technology (for example, machines, computers)	A	B	C	D	VB345660
d. Books about other countries	A	B	C	D	VB345661
e. Books about history	A	B	C	D	VB345662
f. Other non-fiction books	A	B	C	D	VB345664

4. NOT including reading that you do for school, how often do you spend time reading each of the following types of **articles or stories**? Fill in **one** oval on each line. (VB345640)

	Never or hardly ever	A few times a year	Once or twice a month	At least once a week	
1. Articles or stories in a newspaper	A	B	C	D	VB345641
2. Articles or stories in a magazine	A	B	C	D	VB345642
3. Articles or stories on the Internet	A	B	C	D	VB345643

5. How hard was this test compared to most other tests you have taken this year in school? (VB595182)

- A Easier than other tests
- B About as hard as other tests
- C Harder than other tests
- D Much harder than other tests

6. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? (VC034559)

- A Not as hard as on other tests

- B About as hard as on other tests
  - C Harder than on other tests
  - D Much harder than on other tests
7. How important was it to you to do well on this test? (VB595184)
- A Not very important
  - B Somewhat important
  - C Important
  - D Very important
8. How much education do you think you will complete? (QK070697)
- A I will not finish high school.
  - B I will graduate from high school.
  - C I will have some education after high school.
  - D I will graduate from college.
  - E I will go to graduate school.
  - F I don't know.
9. What do you expect that your main activity will be in the year after you leave high school? (VC101417)
- A Working full time
  - B Attending a vocational, technical, or business school
  - C Attending a two-year college
  - D Attending a four-year college, service academy, or university
  - E Serving in the military
  - F Other