* Questions marked with an asterisk (*) were not asked of all respondents.

SECTION A: Student Background
Next we are going to ask you a few questions about your background.
What is your sex? Male Female
Are you Hispanic or [Latino/Latina]? Yes No
* Which of the following are you? Mexican, Mexican-American, Chicano Cuban Dominican Puerto Rican Central American such as Guatemalan, Salvadoran, Nicaraguan, Costa Rican, Panamanian, or Honduran South American such as Colombian, Argentine, or Peruvian Other Hispanic or Latino or Latina
[In addition to learning about your Hispanic background, we would also like to know about your racia background.] Which of the following choices describe your race? You may choose more than one. (Check all that apply.) White Black or African American Asian Native Hawaiian or other Pacific Islander American Indian or Alaska Native
* Which one of the following are you? Chinese Filipino Southeast Asian such as Vietnamese or Thai South Asian such as Indian or Sri Lankan Other Asian such as Korean or Japanese
What is your birth date? Month Day Year 1991 or earlier 1992

U.S. Department of Education High School Longitudinal Study of 2009 **National Center for Education Statistics** OMB No: 1850-0852 1993 1994 1995 1996 or late What was the first language you learned to speak when you were a child? Was it... English Spanish Another language English and Spanish equally or English and another language equally? * What is the [other] language you first learned to speak? A European language, such as French, German, or Russian A Chinese language A Filipino language A Southeast Asian language such as Vietnamese or Thai A South Asian language such as Hindi or Tamil Another Asian language such as Japanese or Korean A Middle Eastern language such as Arabic or Farsi, or Another language * How often do you speak [this language] with your mother or female guardian at home? Never Sometimes About half the time Most of the time **Always** No mother or female guardian in your household * How often do you speak [this language] with your friends? Never Sometimes About half the time

Most of the time

Always

SECTION B: Previous School Experiences

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Next we are going to ask you a few questions about your background.	
What grade were you in last school year (2008-2009)? 7th Grade 8th Grade 9th Grade You were in an ungraded program	
During the last school year (2008-2009), did you attend [current school] or did you att school?  [current school]  Different school  You were homeschooled	end a different
* During the last school year (2008-2009), what school did you attend? School Name City State/Foreign County	
Since the beginning of the last school year (2008-2009), which of the following activiti participated in? (Check all that apply.)  Math club  Math competition  Math study groups or a program where you were tutored in math  Science club  Science competition  Science camp  Science study groups or a program where you were tutored in science  None of these	es have you
Since the beginning of the last school year (2008-2009), how often have you done the activities?  Read science books and magazines  Never  Rarely  Sometimes  Often  Accessed web sites for computer technology information  Never  Rarely  Sometimes  Often  Often	following science

Visited a science museum, planetarium or environmental center

High School	Longitudinal St	udy of	2009
	OMB No:	1850	-0852

Never Rarely

Sometimes

Often

* What math course did you take in the 8th grade? If you took more than one math course, please choose your most advanced or most difficult course.

Math 8

Advanced or Honors Math 8 not including Algebra

Pre-algebra

Algebra I including IA and IB

Algebra II or Trigonometry

Geometry

Integrated Math

Other advanced math course such as pre-calculus or calculus

Other math

* What was your final grade in this math course?

(If your school uses numerical grades only, please answer in terms of the letter equivalent. If you don't know the equivalent, assume that ...

90 to 100 is an "A"

80 to 89 is a "B"

70 to 79 is a "C"

60 to 69 is a "D"

Anything less than 60 is "below D")

Α

В

С

D

Below D

Your class was not graded

* What science course did you take in the 8th grade? If you took more than one science course, please choose your most advanced or most difficult course.

Science 8

General Science or General Science 8

Biology

Life science

Pre-AP or pre-IB Biology

Chemistry

Earth Science

**Environmental Science** 

**Integrated Science** 

**Principles of Technology** 

**Physical Science** 

**Physics** 

Other science course

Your class was not graded

High School Longitudinal Study of 2009 OMB No: 1850-0852

* What was your final grade in this science course?

(If your school uses numerical grades only, please answer in terms of the letter equivalent. If you don't know the equivalent, assume that ...

90 to 100 is an "A"

80 to 89 is a "B"

70 to 79 is a "C"

60 to 69 is a "D"

Anything less than 60 is "below D")

A
B
C
D
Below D

### **SECTION C: Math Experiences**

Now we are going to ask you a few questions about your experiences with math. How much do you agree or disagree with the following statements? You see yourself as a math person Strongly agree Agree Disagree Strongly disagree Others see you as a math person Strongly agree Agree Disagree Strongly disagree When you are working on a math assignment, how often do you think you really understand the assignment? Never Rarely Sometimes Often Are you currently taking a math course this fall? [Were you taking a math course in the fall of 2009?] Yes No * What math course(s) are you currently taking this fall? [What math course(s) were you taking in the fall (2009)?] (Check all that apply.)

Algebra I including IA and IB

Geometry

Algebra II

Trigonometry

Review or Remedial Math including Basic, Business, Consumer, Functional or General math

Integrated Math I

Statistics or Probability

Integrated Math II or above

Pre-algebra

Analytic Geometry

Other advanced math course such as pre-calculus or calculus

Other math course

* Why are you taking [fall 2009 math course]?

[If late December or later add: If you are no longer taking this course, think back to the fall when you answer this question and the questions that follow.]

(Check all that apply.)

You really enjoy math

You like to be challenged

You had no choice, it is a school requirement

The school counselor suggested you take it

Your parent(s) encouraged you to take it

A teacher encouraged you to take it

There were no other math courses offered

You will need it to get into college

You will need it to succeed in college

You will need it for your career

It was assigned to you

Some other reason

You don't know why you are taking this course

* How much do you agree or disagree with the following statements about your [fall 2009 math course]?

You are enjoying this class very much

Strongly agree

Agree

Disagree

Strongly disagree

You think this class is a waste of your time

Strongly agree

Agree

Disagree

Strongly disagree

You think this class is boring

Strongly agree

Agree

Disagree

Strongly disagree

* How much do you agree or disagree with the following statements about the usefulness of your [fall 2009 math] course? What students learn in this course...

is useful for everyday life.

Strongly agree

Agree

Disagree

Strongly disagree

will be useful for college.

Strongly agree

Agree

Disagree

Strongly disagree

will be useful for a future career.

Strongly agree

Agree

Disagree

Strongly disagree

* How much do you agree or disagree with the following statements about your [fall 2009 math] course?

You are confident that you can do an excellent job on tests in this course

Strongly agree

Agree

Disagree

Strongly disagree

You are certain that you can understand the most difficult material presented in the textbook used in this course

Strongly agree

Agree

Disagree

Strongly disagree

You are certain that you can master the skills being taught in this course

Strongly agree

Agree

Disagree

Strongly disagree

You are confident that you can do an excellent job on assignments in this course

Strongly agree

Agree

Disagree

Strongly disagree

* How much do you agree or disagree with the following statements about [your math teacher]? Remember, none of your teachers or your principal will see any of the answers you provide. Your math teacher...

values and listens to students' ideas.

Strongly agree

Agree

Disagree

Strongly disagree

treats students with respect.

Strongly agree

Agree

Disagree

Strongly disagree

treats every student fairly.

Strongly agree

Agree

Disagree

Strongly disagree

thinks every student can be successful.

Strongly agree

Agree

High School Longitudinal Study of 2009 OMB No: 1850-0852

Disagree

Strongly disagree

thinks mistakes are okay as long as all students learn.

Strongly agree

Agree

Disagree

Strongly disagree

treats some kids better than other kids.

Strongly agree

Agree

Disagree

Strongly disagree

makes math interesting.

Strongly agree

Agree

Disagree

Strongly disagree

treats males and females differently.

Strongly agree

Agree

Disagree

Strongly disagree

makes math easy to understand.

Strongly agree

Agree

Disagree

### **SECTION D: Science Experiences**

Now we are going to ask you a few questions about your experiences with science. How much do you agree or disagree with the following statements? You see yourself as a science person Strongly agree Agree Disagree Strongly disagree Others see you as a science person Strongly agree Agree Disagree Strongly disagree When you are working on a science assignment, how often do you think you really understand the assignment? Never Rarely Sometimes Often Are you currently taking a science course this fall? [Were you taking a science course in the fall of 2009?] Yes No * What science course(s) are you currently taking this fall? [What science course(s) were you taking in the fall (2009)?] (Check all that apply.) Biology I Earth Science **Physical Science Environmental Science** Physics I Integrated Science I Chemistry I Integrated Science II or above Anatomy or Physiology Advanced Biology such as Biology II, AP, or IB Advanced Chemistry such as Chemistry II, AP, or IB General Science Principles of Technology Life Science Advanced Physics such as Physics II, AP or IB

Other earth or environmental sciences such as ecology, geology, oceanography, or

meteorology

Other biological sciences such as botany, marine biology, or zoology

Other physical sciences such as astronomy or electronics

Other science course

* Why are you taking [fall 2009 science course]?

[If late December or later add: If you are no longer taking this course, think back to the fall when you answer this question and the questions that follow.]

(Check all that apply.)

You really enjoy science

You like to be challenged

You had no choice, it is a school requirement

The school counselor suggested you take it

Your parent(s) encouraged you to take it

A teacher encouraged you to take it

There were no other science courses offered

You will need it to get into college

You will need it to succeed in college

You will need it for your career

It was assigned to you

Some other reason

You don't know why you are taking this course

* How much do you agree or disagree with the following statements about your [fall 2009 science] course?

You are enjoying this class very much

Strongly agree

Agree

Disagree

Strongly disagree

You think this class is a waste of your time

Strongly agree

Agree

Disagree

Strongly disagree

You think this class is boring

Strongly agree

Agree

Disagree

Strongly disagree

* How much do you agree or disagree with the following statements about the usefulness of your [fall 2009 science] course? What students learn in this course...

is useful for everyday life.

Strongly agree

Agree

Disagree

High School Longitudinal Study of 2009 OMB No: 1850-0852

will be useful for college.

Strongly agree

Agree

Disagree

Strongly disagree

will be useful for a future career.

Strongly agree

Agree

Disagree

Strongly disagree

* How much do you agree or disagree with the following statements about your [fall 2009 science]

course?

You are confident that you can do an excellent job on tests in this course

Strongly agree

Agree

Disagree

Strongly disagree

You are certain you can understand the most difficult material presented in the textbook used in this course

Strongly agree

Agree

Disagree

Strongly disagree

You are certain you can master the skills being taught in this course

Strongly agree

Agree

Disagree

Strongly disagree

You are confident that you can do an excellent job on assignments in this course

Strongly agree

Agree

Disagree

Strongly disagree

* How much do you agree or disagree with the following statements about [your science teacher]? Remember, none of your teachers or your principal will see any of the answers you provide. Your science teacher...

values and listens to students' ideas.

Strongly agree

Agree

Disagree

Strongly disagree

treats students with respect.

Strongly agree

Agree

Disagree

High School Longitudinal Study of 2009 OMB No: 1850-0852

treats every student fairly.

Strongly agree

Agree

Disagree

Strongly disagree

thinks every student can be successful.

Strongly agree

Agree

Disagree

Strongly disagree

thinks mistakes are okay as long as all students learn.

Strongly agree

Agree

Disagree

Strongly disagree

treats some kids better than other kids.

Strongly agree

Agree

Disagree

Strongly disagree

makes science interesting.

Strongly agree

Agree

Disagree

Strongly disagree

treats males and females differently.

Strongly agree

Agree

Disagree

Strongly disagree

makes science easy to understand.

Strongly agree

Agree

Disagree

#### **SECTION E: Home and School**

Rarely Sometimes Often

Now we are going to ask you a few questions about your experiences at home and in school. How much do you agree or disagree with the following statements about your current school? You feel safe at this school Strongly agree Agree Disagree Strongly disagree You feel proud being part of this school Strongly agree Agree Disagree Strongly disagree There are always teachers or other adults in your school that you can talk to if you have a problem Strongly agree Agree Disagree Strongly disagree School is often a waste of time Strongly agree Agree Disagree Strongly disagree Getting good grades in school is important to you Strongly agree Agree Disagree Strongly disagree How often do you... go to class without your homework done? Never Rarely Sometimes Often go to class without pencil or paper? Never Rarely Sometimes Often go to class without books? Never

High School Longitudinal Study of 2009 OMB No: 1850-0852

go to class late? Never Rarely Sometimes Often Not including lunch or study periods, what is your favorite school subject? English Foreign Language Science Art Music Mathematics Physical Education or Gym Religion **Health Education** Computer Education or Computer Science Social Studies, History, Government, or Civics Career preparation class such as health professions, business, or culinary arts Other Not including lunch or study periods, what is your least favorite school subject? **English** Foreign Language Science Art Music Mathematics Physical Education or Gym Religion **Health Education** Computer Education or Computer Science Social Studies, History, Government, or Civics Career preparation class such as health professions, business, or culinary arts Other How much do you agree or disagree with the following statements? Studying in school rarely pays off later with good jobs Strongly agree Agree Disagree Strongly disagree Even if you study, you will not be able to get into college Strongly agree Agree Disagree Strongly disagree Even if you study, your family cannot afford to pay for you to attend college

High School Longitudinal Study of 2009 OMB No: 1850-0852

Strongly agree

Agree

Disagree

Strongly disagree

Working is more important for you than attending college

Strongly agree

Agree

Disagree

Strongly disagree

Since the beginning of the last school year (2008-2009), which of the following people have you talked with about which math courses to take this year?

.......

(Check all that apply.)

Your mother or female guardian

Your father or male guardian

Your friends

A favorite teacher

A school counselor

None of these people

 $\sim$ 

Since the beginning of the last school year (2008-2009), which of the following people have you talked with about which science courses to take this year?

(Check all that apply.)

Your mother or female guardian

Your father or male guardian

Your friends

A favorite teacher

A school counselor

None of these people

Since the beginning of the last school year (2008-2009), which of the following people have you talked with about which courses to take this year other than math and science courses? (Check all that apply.)

Your mother or female guardian

Your father or male guardian

Your friends

A favorite teacher

A school counselor

None of these people

Since the beginning of the last school year (2008-2009), which of the following people have you talked with about going to college?

(Check all that apply.)

Your mother or female guardian

Your father or male guardian

Your friends

A favorite teacher

A school counselor

None of these people

Since the beginning of the last school year (2008-2009), which of the following people have you talked with about possible jobs or careers when you are an adult?

(Check all that apply.)

Your mother or female guardian

Your father or male guardian

Your friends

A favorite teacher

A school counselor

None of these people

Since the beginning of the last school year (2008-2009), which of the following people have you talked

Since the beginning of the last school year (2008-2009), which of the following people have you talked with about personal problems?

(Check all that apply.)

Your mother or female guardian

Your father or male guardian

Your friends

A favorite teacher

A school counselor

None of these people

As far as you know, are the following statements true or false for your closest friend? Your closest friend...

gets good grades.

True

False

is interested in school.

True

False

attends classes regularly.

True

False

plans to go to college.

True

False

How much do you agree or disagree with each of the following statements?

If you spend a lot of time and effort in your math and science classes...

you won't have enough time for hanging out with your friends.

Strongly agree

Agree

Disagree

Strongly disagree

you won't have enough time for extracurricular activities.

Strongly agree

Agree

Disagree

High School Longitudinal Study of 2009 OMB No: 1850-0852

Strongly disagree
you won't be popular.
Strongly agree
Agree
Disagree
Strongly disagree
people will make fun of you.
Strongly agree
Agree
Disagree
Strongly disagree

In general, how would you compare males and females in each of the following subjects?

English or language arts

Females are much better

Females are somewhat better

Females and males are the same

Males are somewhat better

Males are much better

Math

Females are much better

Females are somewhat better

Females and males are the same

Males are somewhat better

Males are much better

Science

Females are much better

Females are somewhat better

Females and males are the same

Males are somewhat better

Males are much better

During a typical weekday during the school year how many hours do you spend...

working on math homework and studying for math class?

Less than 1 hour

1 to 2 hours

2 to 3 hours

3 to 4 hours

4 to 5 hours

5 or more hours

working on science homework and studying for science class?

Less than 1 hour

1 to 2 hours

2 to 3 hours

3 to 4 hours

4 to 5 hours

5 or more hours

working on homework and studying for the rest of your classes?

High School Longitudinal Study of 2009 OMB No: 1850-0852

Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours participating in extracurricular activities such as sports teams, clubs, band, student government? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours working for pay not including chores or jobs you do around your house? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours spending time with your family? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours hanging out or socializing with your friends? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours watching television or movies? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours playing video games? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours

High School Longitudinal Study of 2009 OMB No: 1850-0852

chatting or surfing online? Less than 1 hour 1 to 2 hours 2 to 3 hours 3 to 4 hours 4 to 5 hours 5 or more hours Are you participating in any of the following programs? **Talent Search** Yes No **Upward Bound** Yes No Gear Up Yes No AVID (Advancement in Individual Determination) Yes No MESA (Mathematics, Engineering, Science Achievement) Yes No

High School Longitudinal Study of 2009 OMB No: 1850-0852

### **SECTION F: Plans for Postsecondary Education**

Now we are going to ask you a few questions about your plans for school and college as you progress through high school. Including this year, how many years of math do you expect to take during high school? One year Two years Three years Four or more years * What are the reasons you plan to take more math courses during high school? (Check all that apply.) Taking more math courses is required to graduate Your parents will want you to Your teachers will want you to Your school counselor will want you to You are good at math You will need more math courses for the type of career you want Most students who are like you take a lot of math courses You enjoy studying math Taking more math courses will be useful for getting into college Taking more math courses will be useful in college Your friends are going to take more math courses Some other reason You don't know why, you just probably will * Do you plan to enroll in... an Advanced Placement (AP) calculus course? Yes No You haven't decided yet You don't know what this is an International Baccalaureate (IB) calculus course? Yes No You haven't decided yet You don't know what this is Including this year, how many years of science do you expect to take during high school? One year Two years

* What are the reasons you plan to take more science courses during high school? (Check all that apply.)

Three years

Four or more years

```
National Center for Education Statistics
                                                                                  OMB No: 1850-0852
    Taking more science courses is required to graduate
    Your parents will want you to
    Your teachers will want you to
    Your school counselor will want you to
    You are good at science
    You will need more science courses for the type of career you want
    Most students who are like you take a lot of science courses
    You enjoy studying science
    Taking more science courses will be useful for getting into college
    Taking more science courses will be useful in college
    Your friends are going to take more science courses
    Some other reason
    You don't know why, you just probably will
* Do you plan to enroll in...
    an Advanced Placement (AP) science course?
     Yes
     No
     You haven't decided yet
     You don't know what this is
    an International Baccalaureate (IB) science course?
     Yes
     No
     You haven't decided yet
     You don't know what this is
An "education plan" or a "career plan" is a series of activities and courses that you will need to
complete in order to get into college or be successful in your future career.
Have you put together...
     a combined education and career plan
     an education plan only
     a career plan only or
     none of these?
* Who helped you put your [education and career/education/career] plan together?
(Check all that apply.)
    A counselor
    A teacher
    Your parents
    Someone else
```

Have you taken or are you planning to take...

the PSAT?

No

No one

Yes

You haven't decided yet

You don't know what this is

High School Longitudinal Study of 2009 OMB No: 1850-0852

the SAT? No Yes You haven't decided yet You don't know what this is American College Testing Service (ACT) test? No Yes You haven't decided yet You don't know what this is an Advanced Placement (AP) test? No Yes You haven't decided yet You don't know what this is a test for the International Baccalaureate (IB)? No Yes You haven't decided yet You don't know what this is How sure are you that you will graduate from high school? Very sure you'll graduate You'll probably graduate You probably won't graduate Very sure you won't graduate

### **SECTION G: Life After High School**

Now we are going to ask you a few questions about your future life after high school.

We understand that you may not have thought a lot about some of these questions or you may not have all of the information right now. If you are unsure about how to answer a question, please make your best guess. Your thoughts are very important to us..

As things stand now, how far in school do you think you will get?

Less than high school

High school diploma or GED

Start but not complete an Associate's degree

Complete an Associate's degree

Start but not complete a Bachelor's degree

Complete a Bachelor's degree

Start but not complete a Master's degree

Complete a Master's degree

Start but not complete a Ph.D., M.D., law degree, or other high level professional degree

Complete a Ph.D., M.D., law degree, or other high level professional degree

Don't know

* How sure are you that you will go on to college to pursue a Bachelor's degree after you leave high school?

Very sure you'll go

You'll probably go

You probably won't go

Very sure you won't go

Whatever your plans, do you think you have the ability to complete a Bachelor's degree?

Definitely

Probably

Probably not

Definitely not

Would you be disappointed if you did not graduate from college with a Bachelor's degree by the time

you are 30 years old?

Yes

No

What do you plan to do during your first year after high school? (check all that apply.)

Enroll in an Associate's degree program in a two-year community college or technical institute

Enroll in a Bachelor's degree program in a college or university

Obtain a license or certificate in a career field

Attend a registered apprenticeship program

Join the armed services

Get a job

Start a family

U.S. Department of Education High School Longitudinal Study of 2009 **National Center for Education Statistics** OMB No: 1850-0852 Do volunteer or missionary work Not sure what you want to do * Are you more likely to attend a public or private 4-year college, or have you not thought about this yet? **Public** Private Haven't thought about this * Are you more likely to attend an in-state or out of state 4-year college, or have you not thought about it yet? In-state Out of state Haven't thought about this * Have you gotten information about the cost of tuition and mandatory fees at a specific [in-state public/out-of-state public/private] college? Yes No * What is the cost of one year's tuition and mandatory fees at that public 4-year college in your state? Include the cost of courses and required fees such as student activity fees and student health fees. Do not include optional expenses such as room and board. * Is that tuition and mandatory fees only, or does that also include other fees such as room and board? Tuition and mandatory fees only Tuition, mandatory fees, and other fees 

* What is the cost of one year's tuition and mandatory fees at that private 4-year college? Include the cost of courses and required fees such as student activity fees and student health fees. Do not include optional expenses such as room and board.

* Is that tuition and mandatory fees only, or does that also include other fees such as room and board? Tuition and mandatory fees only

Tuition, mandatory fees, and other fees

* What is the cost of one year's tuition and mandatory fees at that out-of-state public 4-year college? Include the cost of courses and required fees such as student activity fees and student health fees. Do not include optional expenses such as room and board.

* Is that tuition and mandatory fees only, or does that also include other fees such as room and board?

Tuition and mandatory fees only

Tuition, mandatory fees, and other fees

* What is your best estimate of the cost of one year's tuition and mandatory fees at a public 4-year college in your state?

Include the cost of courses and required fees such as student activity fees and student health fees. Do not include optional expenses such as room and board.

not include optional expenses such as room and board.

* Is that tuition and mandatory fees only, or does that also include other fees such as room and board?

Tuition and mandatory fees only

Tuition, mandatory fees, and other fees

* How confident are you in the accuracy of your estimate of the cost of one year's tuition and mandatory fees at a public 4-year college in your state? Are you...

very confident somewhat confident or not at all confident?

As things stand now, what is the job or occupation that you expect or plan to have at age 30?

You don't know No Yes

* How much have you thought about this choice? Have you thought about it

* How much have you thought about this choice? Have you thought about it... not at all

a little somewhat or a lot?

When you talk about your plans for the future, would you say you talk...

mostly to your parents
more to your parents than your friends
to your parents and your friends about the same
more to your friends than your parents
mostly to your friends or
you don't talk to your parents or to your friends about your plans for the future?

you don't talk to your parents of to your menas about your plans for the fatta