

The *School District Data Collection Form* Guide

Introduction and General Information

As part of the National Science Foundation's (NSF) evaluation of the Math Science Partnership program, we at the Math Science Partnership of Greater Philadelphia (MSPGP) are required to provide yearly information for each participating school. We are asking that you complete this questionnaire for three purposes:

- ❖ to submit the data required by the NSF for their evaluation;
- ❖ to prepare reports on course-taking patterns that will help teachers and administrators at your school with planning needed to meet the goal of improving student access to and achievement in challenging and advanced courses in mathematics and science; and
- ❖ to conduct our internal evaluations of MSPGP effectiveness.

This questionnaire will update baseline data we collected for your district during 2003-2004, and this same questionnaire will be administered at the end of the project.

As you progress through the form, some figures will be computed for you, based on other information that you provide. If you have any questions after reading this guide, please contact: *Dr. Rita Fierro* at 215-568-6150 ext. 329 or fierro@rbs.org.

This guide is organized into 3 sections:

- ❖ Login: explains what you should expect to see the first time you login;
- ❖ Human Resources: indicates which of the questions you might want to hand over to the human resources department;
- ❖ Student Data: lists the questions which pertain to student information.

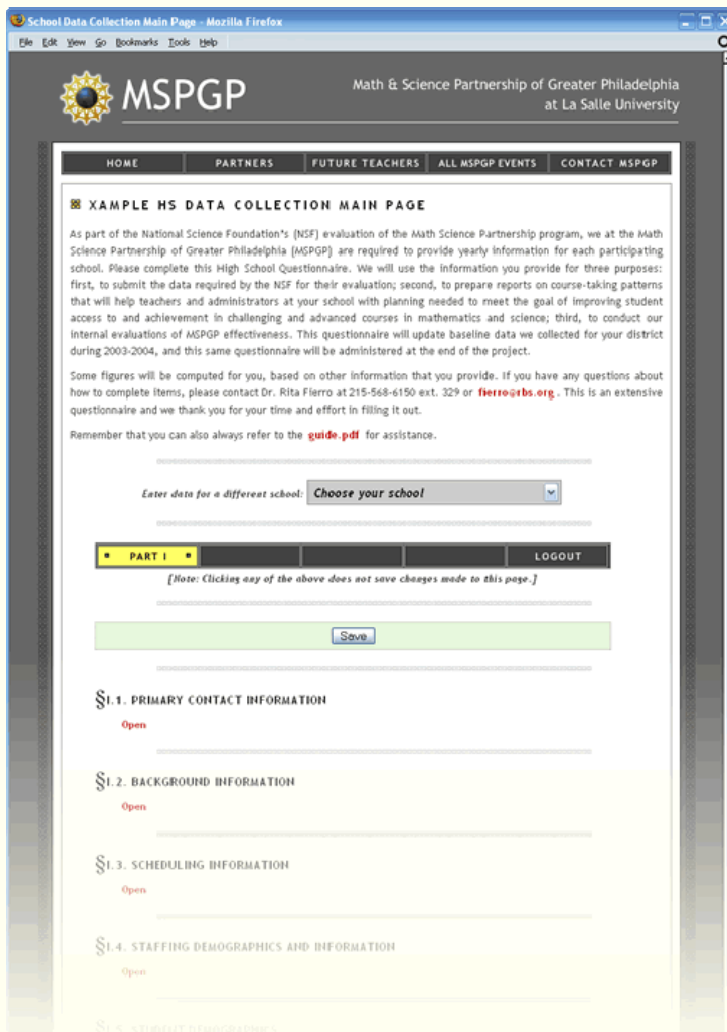
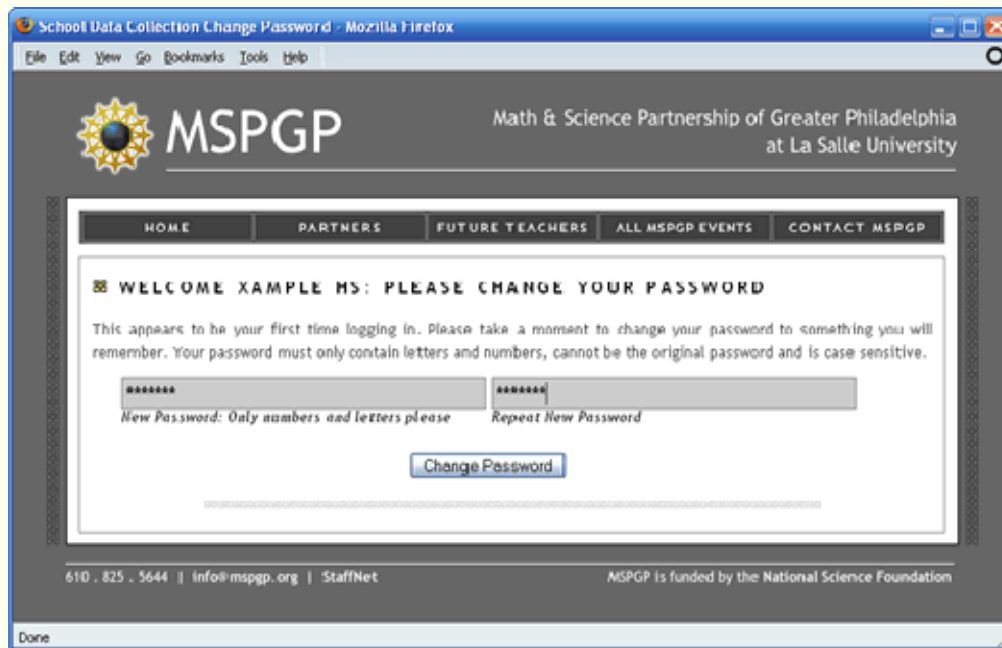
A few notes about this document:

- ❖ the entire online form consists of the questions you will find in the Human Resources part of this document, the questions in the Student Data part of this document and some general questions which the primary contact person should be able to answer;
- ❖ this document only illustrates three of the four parts of the online form. Part IV (Science Enrollment Data) is omitted because it is simply the science equivalent of Part III (Math Enrollment Data);
- ❖ this document only illustrates the high school version of the form. The middle school version is very similar.

Finally, we know that this is an extensive questionnaire and we want to thank you in advance for your time and effort in filling it out.

Login

After the opening page, you will be asked to change your password. Please do so just as the instructions indicate. Once you do this, you will be directed to the first page of the form.



The first time you enter the site, the first page of the form looks slightly different than from subsequent trips to the site (provided you hit the SAVE button). This is because the data you enter here will generate the rest of the questions in the form based on that data.

Clicking on the various **Open** buttons will give you access to the questions. Once you have filled out this page and hit the **Save** button, you will have access to the remaining parts of the form.

Human Resources

The following are from SECTION I.4 from Part I and all sections of Part II except the first section (assessments) and can be directed to someone in Human Resources for completion.

§I.4. STAFFING DEMOGRAPHICS AND INFORMATION

Close

A During the 2005-2006 year how many **new** teachers taught High School Math?

B During the 2005-2006 year how many **returning** teachers taught High School Math?

C During the 2005-2006 year how many **new** teachers taught High School Science?

D During the 2005-2006 year how many **returning** teachers taught High School Science?

E **Teacher Attrition:** Provide the following information about attrition for math and science teachers in your school during the 2005-2006 school year.

Note: this includes teachers who left during the summer months prior to the beginning of the 2006-2007 school year.

Also: if a teacher taught a course part time, report a decimal in the table below. For example, if a teacher taught science half time and some other subject half time, count them as 0.5 individuals in the "science" column.

Number of math and science teachers who:	from teaching	
	math	science
Retired.	<input type="text"/>	<input type="text"/>
Withdrew from the teaching profession to pursue other careers. [This does not include teachers who are on temporary leave.]	<input type="text"/>	<input type="text"/>
Left to teach in another K-12 school or school district.	<input type="text"/>	<input type="text"/>
Left to take an educational leadership/administrative position.	<input type="text"/>	<input type="text"/>
Left for other reasons.	<input type="text"/>	<input type="text"/>
Left for unknown reasons.	<input type="text"/>	<input type="text"/>

F Some districts have teachers with release time to serve as supervisors, instructional leaders/facilitators, coaches, and department chairs. During 2005-2006, how many teachers at your school served in this capacity?

G During the past two years (2004-2005 and 2005-2006) how many student teachers have you had for High School Math?

H During the past two years (2004-2005 and 2005-2006) how many student teachers have you had for High School Science?



XAMPLE HS DATA COLLECTION: PART II

ASSESSMENT AND TEACHER INFORMATION

The "page 2" message. If you have any questions about how to complete items, please contact Dr. Rita Fierro at 215-568-6150 ext. 329 or fierro@rbs.org. Again we thank you for your time and effort in filling out this extensive questionnaire.

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PART I	PART II	PART III	PART IV	LOGOUT
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[Note: Clicking any of the above does not save changes made to this page.]

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<input type="button" value="Save"/>

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§ II.1 ASSESSMENT INFORMATION

[Open](#)

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§ II.2. NEW MATH TEACHER DEMOGRAPHICS

[Close](#)

A For each *math* teacher which began at Xample HS during the 2005-2006 year, please provide their race; gender; where they earned their credentials; including where they got their Teacher Certification and in what subject they earned that certification; and what percentage of time they spent teaching math.

Race	Gender	BA Granting Inst.	MS Granting Inst.	Certification Program	Subject of Certification	Time
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> % <i>del</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> % <i>del</i>

[Close](#)

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§ II.3. NEW SCIENCE TEACHER DEMOGRAPHICS

[Close](#)

A For each *science* teacher which began at Xample HS during the 2005-2006 year, please provide their race; gender; where they earned their credentials; including where they got their Teacher Certification and in what subject they earned that certification; and what percentage of time they spent teaching math.

Race	Gender	BA Granting Inst.	MS Granting Inst.	Certification Program	Subject of Certification	Time
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> % <i>del</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> % <i>del</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> % <i>del</i>

Close

.....

§ II.4. RETURNING MATH TEACHER DEMOGRAPHICS

Close

A Give the number of *returning math* teachers who were or were not certified to teach math (by race and gender). Recall that the total here should equal the number given in part I: 2.

	Certified in Math		Not Certified in Math	
	Male	Female	Male	Female
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one race reported	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Error: The entries above do not sum to the total given in Part I.

B Give the number of *FTEs for returning math* teachers who were certified to teach math and who were not (by race and gender). In other words, if you had 3 White Female returning math teachers all certified in math with one who taught science half time, then you should put a "2.5" in the appropriate box.

	Certified in Math		Not Certified in Math	
	Male	Female	Male	Female
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one race reported	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Close



§II.5. RETURNING SCIENCE TEACHER DEMOGRAPHICS

Close

A Give the number of *returning science* teachers who were certified to teach science and who were not (by race and gender). Recall that the total here should equal the number given in part I: 3.

	Certified in Math		Not Certified in Math	
	Male	Female	Male	Female
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one race reported	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Error: The entries above do not sum to the total given in Part I.

B Give the number of *FTEs for returning science* teachers who were certified to teach science and who were not (by race and gender). In other words, if you had 3 White Female returning science teachers all certified in science with one who taught math half time, then you should put a "2.5" in the appropriate box.

	Certified in Science		Not Certified in Science	
	Male	Female	Male	Female
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one race reported	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Close



§II.6. TEACHER LEADERSHIP INFORMATION

Close


A For each teacher who earned release time to serve as supervisors, instructional leaders/facilitators, coaches, department chairs, etc., please give the leadership role, number of years teaching and the percentage of time released from teaching. (So for example, if a teacher normally teaches 4 courses but for being department chair is released from one course, then put '25' in the last column.)

Leadership Role	Years	% Release Time
		% del

Close

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§II.7. STUDENT TEACHER DEMOGRAPHICS

 This section seems to be complete

Close

A Math student teaching question

Choose College/University		Race		Gender		del
Choose College/University		Race		Gender		del

B Science student teaching question

Choose College/University		Race		Gender		del
Choose College/University		Race		Gender		del
Choose College/University		Race		Gender		del

Close

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PART I	PART II	PART III	PART IV	LOGOUT
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[Note: Clicking any of the above does not save changes made to this page.]

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Student Data

The following are from sections 5-7 of Part, section 1 of Part II and all sections of Part III. These sections along with all sections of Part IV contain all the information relevant to student data. Part IV is the science analog to Part III.

§I.5. STUDENT DEMOGRAPHICS

Close

A What is the grade level organization of your school?
 If other, please describe.

B Please provide the total student enrollment by grade level in your school during the 2005-2006 school year. (Generally, we would prefer to get enrollment numbers for early October; but you may use enrollment numbers from some other month during the school year if doing so would make it easier to gather the data.)

	Approximate Number of Students in the School During the 2005 to 2006 school year.							
	Males in grade:				Females in grade:			
	9	10	11	12	9	10	11	12
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one race reported	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

C What is the estimated percentage of students in your school with limited English proficiency? %

D What is the estimated percentage of students in your school eligible for free or reduced price lunches that are paid for with public funds? %

E Post-graduation plans: Please enter the approximate percentage of students that pursue each of the following.


Attend post-secondary institution (community/technical/4 year college, university, etc.): %

Serve in military: %

Go directly to employment: %

Other or unknown: %

§I.6. MATH COURSE OFFERINGS

 This section seems to be complete

Close

A Which of the following level mathematics courses did your school offer during the 2005 - 2006 school year. [please check all that apply and give example course names if and when the space is provided]

Level 0 : Pre-Algebra

[Show Description]

Level 1 : alg 1

[Show Description]

Level 2 :

[Show Description]

Level 3 :

[Show Description]

Level 4 :

[Show Description]

Level 5 :

[Show Description]

AP Statistics

AB Level AP Calculus

BC Level AP Calculus

IB Mathematics Higher Level

IB Further Mathematics Higher Level

Other Course Offered: 1.

Other Course Offered: 2.

Other Course Offered: 3.

Other Course Offered: 4.

Close

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§I.7. SCIENCE COURSE OFFERINGS

Close

A Which of the following level science courses did your school offer during the 2005 - 2006 school year. [please check all that apply and give example course names if and when the space is provided]

- Non-College Preparatory Science* :
[Show Description]

- College Prep. General Science* :
[Show Description]

- 1st Year College Prep. Biology* :
[Show Description]

- 1st Year College Prep. Chemistry* :
[Show Description]

- 1st Year College Prep. Physics* :
[Show Description]

- College Prep. Earth or Space Science* :
[Show Description]

- 1st Year College Prep. Integrated Sci.* :
[Show Description]

- College Prep. Environmental Science* :
[Show Description]

- 2nd Year (non-AP) College Prep. Bio.* :
[Show Description]

- 2nd Year (non-AP) College Prep. Chem.* :
[Show Description]

- 2nd Year (non-AP) College Prep. Phys.* :
[Show Description]

- 2nd Year College Prep. Integrated Sci.* :
[Show Description]

- 3rd Year College Prep. Integrated Sci.* :
[Show Description]

- AP Environmental Science*

- AP College Prep. Biology*

- AP College Prep. Chemistry*

- AP College Prep. Physics*

- Other Course Offered: 1.*

Other Course Offered: 2.

Other Course Offered: 3.

Other Course Offered: 4.

Close

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Save

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▣ PART I ▣ PART II PART III PART IV LOGOUT

[Note: Clicking any of the above does not save changes made to this page.]

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- HOME
- PARTNERS
- FUTURE TEACHERS
- ALL MSPGP EVENTS
- CONTACT MSPGP

☒ XAMPLE HS DATA COLLECTION: PART II

ASSESSMENT AND TEACHER INFORMATION

The "page 2" message. If you have any questions about how to complete items, please contact Dr. Rita Fierro at 215-568-6150 ext. 329 or fierro@rbs.org. Again we thank you for your time and effort in filling out this extensive questionnaire.

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- PART I
- ▣ PART II ▣**
- PART III
- PART IV
- LOGOUT

[Note: Clicking any of the above does not save changes made to this page.]

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§ II.1 ASSESSMENT INFORMATION

[Close](#)

A For each school-wide math or science assessment you administered in 2005-2006, please enter the number of students per grade level and subject area who completed the assessment.

Assessment Name	Admin Date mm/dd/yy	Number of students completing the assessment								del	
		Grade 9		Grade 10		Grade 11		Grade 12			
		Math	Sci.	Math	Sci.	Math	Sci.	Math	Sci.		
											del
											del

[Close](#)

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§ II.2. NEW MATH TEACHER DEMOGRAPHICS

[Open](#)

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§ II.3. NEW SCIENCE TEACHER DEMOGRAPHICS

[Open](#)

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§ II.4. RETURNING MATH TEACHER DEMOGRAPHICS



HOME

PARTNERS

FUTURE TEACHERS

ALL MSPGP EVENTS

CONTACT MSPGP

☒ XAMPLE HS DATA COLLECTION: PART III

MATH ENROLLMENT DATA

The "page 3" message. If you have any questions about how to complete items, please contact Dr. Rita Fierro at 215-568-6150 ext. 329 or fierro@rbs.org. Again we thank you for your time and effort in filling out this extensive questionnaire.

Note: To completely remove a section, please go back to Part I and uncheck the box next to the particular course that you want to remove and then hit save on that page. Doing so will erase all data recorded here for that course.

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PART I	PART II	<input checked="" type="checkbox"/> PART III <input type="checkbox"/>	PART IV	LOGOUT
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[Note: Clicking any of the above does not save changes made to this page.]

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<input type="button" value="Save"/>

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§ III.1 DATA ON STUDENTS NOT ENROLLED IN MATH

[Close](#)

A Below, please give the number of students who *were not enrolled in* any one of your Math courses during the 2005-2006 year.

Number of students who were not enrolled in these courses

	Male				Female			
	Grade 9	Grade 10	Grade 11	Grade 12	Grade 9	Grade 10	Grade 11	Grade 12
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Latino	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[Close](#)

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§ III.2 STUDENTS ENTERING WITH ADVANCED PREP.

Close

A Please provide the number of ninth graders who entered your school in the fall of 2005 who had already successfully completed a **Level 1** math course during middle school.

	Male	Female
Asian	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>
Unknown	<input type="text"/>	<input type="text"/>

B Please provide the number of ninth graders who entered your school in the fall of 2005 who had already successfully completed a **Level 2** math course during middle school.

	Male	Female
Asian	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>
Unknown	<input type="text"/>	<input type="text"/>

C Please provide the number of ninth graders who entered your school in the fall of 2005 who had already successfully completed a **Level 3** math course during middle school.

	Male	Female
Asian	<input type="text"/>	<input type="text"/>
Black or African American, non-Hispanic	<input type="text"/>	<input type="text"/>
Hispanic or Latino (regardless of race)	<input type="text"/>	<input type="text"/>
White, non-Hispanic	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>
Unknown	<input type="text"/>	<input type="text"/>

Close

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§ III.3 LEVEL 0 ENROLLMENT DATA

Close

A Below, please give the number of students who **enrolled in** any one of your Level 0 courses

Latino								
White								
More than one								
Other								

B Below, please give the number of students who *passed* any one of your Level 1 courses during the 2005-2006 year.

Number of students who passed these courses

	Male				Female			
	Grade 9	Grade 10	Grade 11	Grade 12	Grade 9	Grade 10	Grade 11	Grade 12
Unknown								
Asian								
Black								
Latino								
White								
More than one								
Other								

Close

.....

§ III.5 AP STATISTICS ENROLLMENT DATA

Close

A Below, please give the number of students who *enrolled in* any one of your AP Statistics courses during the 2005-2006 year *whether or not they passed*.

Recall that you listed your specific AP Statistics courses as: *AP Statistics*.

Number of students who enrolled in these courses

	Male				Female			
	Grade 9	Grade 10	Grade 11	Grade 12	Grade 9	Grade 10	Grade 11	Grade 12
Unknown								
Asian								
Black								
Latino								
White								
More than one								
Other								

B Below, please give the number of students who *passed* any one of your AP Statistics courses during the 2005-2006 year.

Number of students who passed these courses

	Male				Female			
	Grade 9	Grade 10	Grade 11	Grade 12	Grade 9	Grade 10	Grade 11	Grade 12
Unknown	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Asian	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Black	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Latino	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
More than one	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Close

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[Note: Clicking any of the above does not save changes made to this page.]

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