

Using Codes

**PowerSchool
Student Information System
Advanced Training**



PowerSchool



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Introduction

PowerSchool Student Information System (SIS) codes are short programming expressions you can include in student searches, reports, and on custom pages you create.

Codes can contain PowerSchool SIS fields and operators. For example, if you insert the PowerSchool SIS code **^(lastfirst;uppercase)** in the body of a report, the system prints each student's last name and first name in all capital letters (such as **SMITH, JOHN**), regardless of how the name actually appears in the **lastfirst** field in PowerSchool SIS.

There are two main types of PowerSchool SIS codes: static and derived. Static codes search for or display information you store in your PowerSchool SIS database, such as your school's name. Derived codes display live data, such as the current time, on your request.

The following sections describe the codes you can use to search for students and the codes you can insert in reports, export files, and on custom pages.

***Note:** The PowerSchool Knowledgebase also contains all of the codes in this document. To access the knowledgebase, go to <http://www.powerschool.com/support>. Enter your username and password and click **Knowledgebase**. In the **Search** field, enter **Codes**.*

Use Search Codes

In your daily use of PowerSchool SIS, you might need to select a group of students who have something in common. For example, assume you want a list of all students who are currently receiving a failing grade in any class. You can enter a search code in the **Search Students** field on the PowerSchool SIS Home page to search for students currently receiving a failing grade.

Before you use search codes in the **Search Students** field, you should be familiar with the comparators you include in each search:

Comparator	Means	For example
=	Equals	To find students whose first name is Jennifer, enter first_name = Jennifer .
<	Is less than	To find students who are in a grade level less than 3, enter grade_level < 3 .
>	Is greater than	To find students who are in a grade level greater than 9, enter grade_level > 9 .



Comparator	Means	For example
<=	Is less than or equal to	To find students whose grade level is less than or equal to 4, enter grade_level <= 4 .
>=	Is greater than or equal to	To find students whose grade level is greater than or equal to 9, enter grade_level >= 9 .
#	Does not equal	To find students who belong to a specific activity, such as the basketball team, enter Basketball# . The system literally searches for any students whose basketball field does not equal blank.
in	The value is present in the field.	To find students in the ninth or tenth grade, enter grade_level in 9,10 . <i>Note: If you want to search for more than one value in a field, separate each value with a comma (,).</i>
contains	The value is contained in the field.	To find students who live on Main Street, enter mailing_street contains Main Street .
!contain	The value is not contained in the field.	To find all students who do not live on Main Street, enter mailing_street !contain Main Street .
@	Wildcard	To find all students whose first name starts with Jen (Jenn, Jennifer, Jenny, Jennie) enter first_name = Jen@ .

To use a search code to search for students:

1. On the Home page, locate the **Search Students** field:



The screenshot shows the PowerSchool web interface. At the top left is the PowerSchool logo. At the top right, it displays 'School: Altamont High School' and 'Term: 01-02 Fourth Quarter'. On the left side, there is a navigation menu with sections: 'Functions' (Absentee Report, Daily Bulletin, Enrollment Summary, Master Schedule, PowerLunch, Reports, Special Functions), 'Setup' (Personalize, PowerScheduler, School, Staff, System), and 'Training' (VirtualUniversity). The main content area is titled 'Search Students' and features a search input field with a magnifying glass icon. Below the search field are links for 'View Field List' and 'How to Search'. Further down, there is a 'Browse Students' section with a grid of letters: A B C D E F G H I J K L M, N O P Q R S T U V W X Y Z, and 7 8 9 10 11 12 M F All. At the bottom of the main area, there is a 'Stored Options' section with links for 'Stored Searches' and 'Stored Selections'.

- To search for students, enter any of the codes listed in the following table in the **Search Students** field:

Result	Code	Description/Function
Birthdays (today)	*birthday = today	Finds all students whose birthday is today, matching only month and day.
Birthdays (date)	*birthday = 5/1	Finds all students whose birthday is May 1.
Birthdays (month)	*birthday >= 5/1/99; *birthday <= 5/31/99	Finds all students whose birthday is in the month of May.
Active Students	*as_of = 9/15/98	Finds all students who were active on that date. A student is active if he or she enrolled in your school on or before the date you enter, or exited on or after the date you enter.
Students not enrolled in a period	*not_enrolled_in_period =1	Finds students who are not currently enrolled in a Period 1 course.
Students in a course	*enrolled_in = 9500	Finds students who enrolled in Course 9500 in the current term.



Result	Code	Description/Function
Students in a course and section	*enrolled_in = 9500.08	Finds students who enrolled in Section 08 of Course 9500.
Students not in a course	*not_enrolled_in = 9500	Finds students who are not currently enrolled in Course 9500.
Students who have completed a course.	*has_completed_course = 9500	Finds students who have at least one entry of Course 9500 on their Historical Grades page.
Students who have not completed a course	*has_not_completed = 9500	Finds students who do not have any entries for Course 9500 on their Historical Grades page.
Students with X amount of credits	*cumulative_credit_hours < 16	Finds students with fewer than 16 overall credit hours on their Historical Grades page.
Students with X number of classes	*number_of_classes < 6	Finds students who are currently enrolled in fewer than six classes. <i>Tip: Enter *number_of_classes # 8 to find students who are enrolled in less than or more than eight classes.</i>
Students with X number of attendance points	*attendance_points > 3.0	Finds students with more than 3 attendance points in any class.
Students with X number of attendance points (per quarter)	*attendance_points(Q4) > 3.0	Finds students with more than 3 attendance points in any class during Q4.
Students with X number of attendance points (by date)	*attendance_points(1/1/99,3/1/99) > 3.0	Finds students with more than 3 attendance points in any class during the dates you specify.



Result	Code	Description/Function
Resource Students	*special_program = resource	Finds students with any enrollments in the resource special program.
Requested Credit Hours	*hours_requested < 7.5	Finds students who have requested courses that total less than 7.5 credit hours.

The system displays the student or list of students who meet the criteria in the code.

Use Codes in Reports and on Custom Pages

You can use PowerSchool SIS codes to insert information into reports, such as form letters, report cards, transcripts, and class rosters. You can also use these codes to insert information from your database in export files and on HTML custom pages you create.

Master List of Codes

The Master List of Codes is a list of the most commonly used static and derived PowerSchool SIS codes. You can insert these codes in reports, export files, and on custom pages.

Use Static Codes

Result	Code	Description/Function
Cumulative GPA (weighted)	^(*gpa)	The cumulative GPA for the student.
Cumulative GPA (simple)	^(*gpa.simple)	The cumulative GPA for the student using the simple calculation method.
Cumulative credit hours earned	^(*credit_hours)	Includes all courses from each student's Historical Grades page.
Class rank (Based on cumulative weighted GPA)	^(*class_rank_out_of;gpa)	Inserts the student's class rank. You can use any valid GPA type as the GPA parameter, such as gpa.simple or gpa.percent .
Cumulative avg. % earned in all	^(*gpa.percent)	Inserts the student's cumulative average percent in all classes using



Result	Code	Description/Function
classes (weighted)		the weighted calculation method.
Cumulative avg. % earned in all classes (simple)	^(*gpa.percent)	Inserts the student's cumulative average percent in all classes using the simple calculation method.
GPA for Quarter 1 (weighted)	^(*gpa;Q1)	Calculates the GPA for Q1 of the current school year (the year in which the user is currently working in PowerSchool SIS). <i>Note: Your school must previously store the Q1 grades for the code to insert the correct GPA.</i>
GPA for the student's entire junior year	^(*gpa;11)	Calculates the GPA for grade 11.
GPA for Q1 of the student's junior year	^(*gpa;11;Q1)	Calculates the student's Quarter 1 GPA while they were enrolled in Grade 11. <i>Note: You can enter the codes in any order; the system inserts the same number for ^(*gpa;Q1;11) that it does for ^(*gpa;11;Q1).</i>
GPA for the year 1999	^(*gpa;1999)	Calculates the GPA for 1999 for the current student.
GPA for Quarter 3 (simple)	^(*gpa.simple;Q3)	Same as above, but using the simple GPA calculation method. You can enter percent instead of simple if you want to insert the percent GPA for the quarter.
The current GPA (simple)	^(*gpa.current)	Inserts each student's current grade from the Quick Lookup page. <i>Note: The system always uses the simple calculation method to calculate current grades.</i>



Result	Code	Description/Function
Weighted GPA by Credit Type	^(*gpa.credit_type.ENG)	The weighted GPA for all historical grades for the current student that are of the credit type ENG.
Weighted GPA by Credit Type by Grade	^(*gpa.credit_type.ENG;12)	The student's weighted GPA for all historical grades that are of the credit type ENG that he or she earned in the twelfth grade.
The average % being earned in the current classes (simple)	^(*gpa.current.percent)	Uses each student's current grades on the Quick Lookup page to calculate.
School Name	^(schoolname)	Inserts the name of the current school.
School Name Abbreviation	^(schoolabbr)	Inserts the abbreviation of the current school.
Students Age	^(age)	Inserts the current age of each student in the following format: 15 years 3 months.
Students Age (long)	^(age;long)	Inserts the current age of each student in the following format: 15 years, 3 months, and 22 days.
Term Name	^(termname)	The name of the term current for the system, such as 99-00 Quarter 4 .
School Year / Term Abbreviation	^(abbyearterm)	For example, 99-00 Q4 .
School Year Name	^(yearname)	For example, 1999-2000 School Year .
School Year Abbreviation	^(yearabbr)	For example, 99-00 .
Term Abbreviation	^(termabbr)	For example, Q4 .
Teacher Comments	^(teachercomments)	Inserts each teacher's comments preceded by the label Per (number). <i>Note: This code is often inserted in report card footers</i>



Result	Code	Description/Function
		<i>if you do not include the teacher comments in the schedule listing.</i>
Attendance Points (per class)	^(attpointsperiod;2)	Total attendance points in the student's current Period 2 class.
Attendance Points (per quarter)	^(attpointsperiod;2;Q4)	Total attendance points in the student's Period 2 class during Quarter 4.
Attendance Points (by date)	^(attpointsperiod;2;1/1/99;3/1/99)	Attendance points the student earned in his or her Period 2 class between 1/1/99 and 3/1/99.
Absences (per class)	^(per.att;2)	Total absences in the student's current Period 2 class.
Tardies	^(per.att;2;tar)	Total tardies in the student's current Period 2 class.
Total H Attendance Marks	^(per.att;2;H)	Total number of H attendance codes entered for the student in his or her Period 2 class.
Total H Attendance Marks (per quarter)	^(per.att;2;H;Q4)	Total number of H attendance codes entered for the student in his or her Period 2 class during Quarter 4 only.
Total H Attendance Marks (by date)	^(per.att;2;H;1/1/99;3/1/99)	Total number of H attendance codes entered for the student in his or her Period 2 class during the specified dates.
Daily Membership (by date)	~(*DM;5/1/2000;5/31/2000;t rue)	Days of membership by date for a single student. Use in reports and exports.
Daily Attendance (by date)	~(*DA;5/1/2000;5/31/2000;t rue)	Days of attendance by date for a single student. Use in reports and exports.
Period Information	^(*period_info;1;current_grade;Q1)	The student's current letter grade in his or her Period 1 class in the specified term.



Result	Code	Description/Function
Period Information	^(*period_info;1;current_per cent)	The student's current percent grade in his or her Period 1 class.
Period Information	^(*period_info;1;current_citi zenship)	The student's current citizenship grade in his or her Period 1 class.
Period Information	^(*period_info;01;teacher_n ame)	The name of the teacher who teaches the student's Period 1 class.
Period Information	^(*period_info;1;teacher_co mment)	The student's current teacher comment in his or her Period 1 class.
Period Information	^(*period_info;1;course_na me)	The name of the student's Period 1 course.
Period Information	^(*period_info;1;course_nu mber)	The course number of the student's Period 1 course.
Period Information	^(*period_info;1;room)	The room in which the student's Period 1 class meets.
Period Information	^(*period_info;1;section_nu mber)	The section number of the student's Period 1 class.
Smart Pronouns		
Smart Pronouns	^(His/Her)	Inserts His or Her based on the student's gender.
Smart Pronouns	^(he/she)	Inserts he or she based on the student's gender.
Smart Pronouns	^(He/She)	Inserts He or She based on the student's gender.
Smart Pronouns	^(him/her)	Inserts him or her based on the student's gender.
Smart Pronouns	^(Him/Her)	Inserts Him or Her based on the student's gender.
Smart Pronouns	^(son/daughter)	Inserts son or daughter based on the student's gender.



Use Derived Codes

Result	Code/Examples	Description/Function
Period Information	<p>*period_info</p> <p>Examples:</p> <p>*period_info;03;teacher_name</p> <p>*period_info;03;course_name</p> <p>*period_info;03;course_number</p> <p>*period_info;03;room</p> <p>*period_info;03;current_grade;S2</p> <p>*period_info;03;current_percent;Q3</p> <p>*period_info;03;current_citizenship</p> <p>*period_info;03;section_number</p> <p>*period_info;03;teacher_comment</p>	<p>Inserts period-specific schedule information from the students' current schedule.</p>
GPA	<p>*gpa</p> <p>Examples:</p> <p>*gpa*gpa.simple</p> <p>*gpa;S1</p> <p>*gpa.simple;Q3</p> <p>*gpa;1999</p> <p>*gpa;1999;S1</p> <p>*gpa.simple;9</p> <p>*gpa.simple;10;S1</p> <p>*gpa.credittype.Math</p> <p>*gpa.credittype.Math;S2</p> <p>*gpa.credittype.Math;1999*</p>	<p>Use the GPA codes to create many different GPAs for a student. You can use parameters for specific GPAs for year, term, grade level, and credit type. You can also use these parameters for percentage GPAs.</p>



Result	Code/Examples	Description/Function
	gpa.creditype.Math;11 *gpa.creditype.Math;9;S1 *gpa.creditype.Math;1999; S1 *gpa.percent *gpa.simple.percent *gpa.percent;S1 *gpa.percent.simple;Q3 *gpa.percent;1999 *gpa.percent.simple;9 *gpa.percent.simple;10;S1	
Period Attendance Point Totals	^(attpointsperiod) Examples: ^(attpointsperiod;02) ^(attpointsperiod;02;Q3) ^(attpointsperiod;02;2/1/2001;5/31/2001)	Inserts period-specific attendance points totals. You can restrict by term and by date.
Period Attendance Code Totals	^(per.att) Examples: ^(att.per;03) ^(att.per;03;T) ^(att.per;03;S1) ^(att.per;03;Q2;E) ^(att.per;03;2/1/2001;4/1/2001) ^(att.per;03;2/1/2001;4/1/2001;l)	Inserts period-specific attendance code totals. You can restrict by term, code(s), and date. The default attendance code is ABS for all absences.
Daily Membership Totals	*DM Examples: *DM;S1	Inserts membership totals. You can restrict by term and by date.



Result	Code/Examples	Description/Function
	*DM;1/16/2001;5/31/2001	
Daily Attendance Totals	*DA Examples: *DA;S1 *DA;1/16/2001;5/31/2001	Use the Daily Attendance code to pull attendance totals. You can restrict by term and by date.
If/Then	^(field;if.fieldvalue.xxx.then =) ^(field;if.fieldvalue.#xxx.the n=) ^(field;if.blank. then=) ^(field;if.not.blank. then=) Examples: ^(ethnicity;if.fieldvalue.white .then=Caucasian) ^(ethnicity;if.fieldvalue.#white.then=Other) ^(polio3;if.blank.then=) ^(bus;if.#blank.then= ride bus)	Use this code when you have primary and secondary fields. The most common use is that of the street field. PowerSchool SIS can automatically replace the street field with the mailing_street field if the street field is empty.
Stored Grades	~(stored.by.course.number) Examples: ^(stored.by.course.number; 120;Q2;grade) ^(stored.by.course.number; 120;Q2;behavior) ^(stored.by.course.number; 120;Q2;absences) ^(stored.by.course.number; 120;Q2;comments) ^(stored.by.course.number; 120;Q2;tardies) ^(stored.by.course.number; 120;Q2;credittype)	Inserts stored grade information.



Result	Code/Examples	Description/Function
	^(stored.by.course.number; 120;Q2;earnedcrhrs) ^(stored.by.course.number; 120;Q2;potentialcrhrs)	
Standards Scores	^(std) Examples: ^(*std.avg;LA11.2.3) ^(*std.transhigh;M12.4.5) ^(*std.num;FL3)	Extrapolates standards scores for a student. You must identify which standard code you want and the identifier. If you do not include specific terms or dates, the default is current standard cumulative scores. You can select average score, high score, translated score, translated high score, number of scores, and a note.
Stored Standards Scores	^(std.stored) Examples: ^(*std.stored.transavg;LA11.2.3;S1) ^(*std.stored.avg;SC3.5.12;Q4) ^(*std.stored.high;FL2.5;T1;1999) ^(*std.stored.num;FA5.12;S2;11)	Extrapolates stored standards scores for a student. You must identify which standard code you want and the identifier. If you do not include specific terms or dates, the default is current standard cumulative scores. You can select average score, high score, translated score, translated high score, number of scores, and a note. The differences between the std code and this code are the term, year, and grade qualifiers.
Standard Information	^(std.info) Examples: ^(*std.info.name;LA11.2.3) ^(*std.info.desc;SC3.5.12) ^(*std.info.type;FL2.5)	Labels standards on the page. You can pull the description, name identifiers, and other standard information.
Aggregate Membership Days	~(aggmemdays)	Calculates the aggregate membership days per student for the term in which you are currently working in PowerSchool SIS. Aggregate membership days are the



Result	Code/Examples	Description/Function
		total number of days the student was enrolled at the school. In some states, this number is reduced by factors such as enrollment in special programs. You can use this code on custom pages and in student export files.
Aggregate Membership Days by date	~(aggmemdays;date;date)	If you enter two dates within the code, such as ~(aggmemdays;10/1/99;11/1/99) , the system inserts the total number of membership days per student that fall within the specified date range. <i>Note: The system uses only days in the current school year in the total.</i> You can use this code on custom pages and in student export files.
Decode Values	~(decode;~(fieldname);value;replace;value;replace;else)	This code translates values you store in PowerSchool SIS into other values in export files, reports, and custom pages. For example, if you enter this code: ~(decode;~(grade_level);9;Freshman;10;Sophomores;Upper Class) , the report, file, or page displays Freshman instead of 9, Sophomore instead of 10, and Upper Class for any other grade level.
Time	^[time]	Inserts the current time, such as 11:34 AM .
No Update	~[no.update]	If you insert this code in a custom page, and your school uses automatic PowerSchool SIS updates, the update ignores this page; and the page is not updated. <i>Note: This code is for custom pages only.</i>



Result	Code/Examples	Description/Function
Date (short)	^[short.date]	For example, 2/24/99 .
Date (letter)	^[letter.date]	For example, February 24, 1999 .
Test scores	^(tests;name=ACT;score=m ath;which=last;type=num;re sult=sum;format=formatstrin g)	<p>There are six items in the test scores code: Name, Score, Which, Type, Result, Format. The first three (Name, Score, Which) refine the selection, the last three (Type, Result, Format) determine the presentation. You must create the code with the items in the order listed above.</p> <p>The Name is the name of the test you create in PowerSchool SIS (NAME = ACT, SAT). If you do not specify a test, all tests are included. The score is the score of the test you create in PowerSchool SIS (SCORE = ANY, MATH, ENGLISH, SCIENCE, COMPOSITE). You must specify a Score value; there is no default.</p> <p>The Which value determines which test scores; a student might have several (WHICH = FIRST, LAST, CURRENT term, TERMID, GRADE, or BEST). If you do not specify a Which value in the code, the default value is LAST.</p> <p>You can omit any of the first three items in the code (Name, Score, Which). If you omit all three, the system displays every test recorded for that student in PowerSchool SIS.</p> <p>The Type value is the type of score you want to display (TYPE = NUM, PERCENT, ALPHA). If you do not specify a type within the code, the default is NUM (numeric).</p> <p>The Result value is the type of result you want to include (RESULT =</p>



Result	Code/Examples	Description/Function
		<p>VALUE, SUM, AVG, COUNT, MIN, MAX, or DATE). If you do not specify a result, the default is SUM.</p> <p><i>Note: You must reference the Which value when entering the result value. For example, you cannot include the ALPHA score with the result of SUM.</i></p> <p>The Format value indicates the format of the test score information you include (FORMAT = format string). If you do not specify a format, no format is used.</p>

Code Operators

You can insert any PowerSchool SIS student field in a report. For example, if you want to insert students' last names, enter the PowerSchool SIS field **last_name** in the following format: **^(last_name)**.

Sometimes, when you insert a field, you need the value on the report to print differently than it appears in the actual field in PowerSchool SIS. For example, some users at your school enter dates in the month, day, and year format. Others enter dates using the month/day/year format. When these dates appear on the report, you want them all to print in the same format.

You can use code operators to extract, modify, or alter the actual value in a student field.

There are six types of operators: Character, Date Format, Decimal, Phone Number, Miscellaneous Extracting, and If/Then.

The sections below describe each type of operator. Although the tables use specific student fields for examples, you can use the operators with any student field.

Use Character Code Operators

Use Character code operators to extract, modify, or alter the actual value in a character field. The table below uses the **lastfirst** field with a value of **Franklin, Ben** as an example:



Result	Code;Code Operator	Description/Function
Student's Name	^(lastfirst)	For example, Franklin, Ben.
Student's Name (uppercase)	^(lastfirst;uppercase)	For example, FRANKLIN, BEN.
Student's Name (lowercase)	^(lastfirst;lowercase)	For example, franklin, ben.
Student's Name (smartcase)	^(lastfirst;smartcase)	For example, Franklin, Ben (regardless of the capitalization of the actual value in the field).
Replace Characters	^(lastfirst;replace=in,azz)	For example, Franklazz, Ben (replaces all occurrences of <i>in</i> with <i>azz</i>).
Substring	^(lastfirst;substring=5,3)	For example, lin.
All Characters After X	^(lastfirst;allafter=fra)	For example, nklin, Ben.
All Characters From X	^(lastfirst;allfrom=kli)	For example klin, Ben.
All Characters Before X	^(lastfirst;allbefore=kli)	For example, Fran.
All Characters Through X	^(lastfirst;allthrough=kli)	For example, Frankli.
Remove All Characters But X	^(lastfirst;removeallbut=fkn)	For example, fkn (removes all characters in the value except those you specify). <i>Tip: You can use this code operator to extract either the numbers or letters from alphanumeric fields.</i>

Use Date Format Code Operators

Use Date Format code operators to extract, modify, or alter the actual value in a date field. The table below uses the **entrydate** field with a value of **09/01/99** as an example:



Code;Code Operator	Description/Function
^(entrydate;dateformat=MMDDYY)	For example, 090199 .
^(entrydate;dateformat=MMDDYYYY)	For example, 09011999 .
^(entrydate;dateformat=YYMMDD)	For example, 990901 .
^(entrydate;dateformat=MMMM)	For example, September .
^(entrydate;dateformat=MMMM D)	For example, September 1 .
^(entrydate;dateformat=MMMM DD)	For example, September 01 .
^(entrydate;dateformat=MMMM YYYY)	For example, September 1999 .
^(entrydate;dateformat=DDDD, MMMM D, YYYY)	For example, Thursday, September 1, 1999 .
^(entrydate;dateformat=DDD MMM DD YY)	For example, Thu Sep 01 99 .

Use Decimal Code Operators

Use Decimal code operators to extract, modify, or alter the actual value in a **decimal** field. The table below uses the **balance** field with a value of **7.45** as an example:

Code;Code Operator	Description/Function
^(balance1)	For example, 7.45 .
^(balance1;format=00.000)	For example, 07.450 .
^(balance1;format=00000.0000)	For example, 00007.4500 .
^(balance1;format=###0.0)	For example, 7.5 .

Use Phone Number Code Operators

Use Phone Number code operators to extract, modify, or alter the actual value in a phone number field. The table below uses the **home_phone** field with a value of **555-444-3322** as an example:



Code;Code Operator	Description/Function
^(home_phone)	For example, 555-444-3322 .
^(home_phone;extract.phone7)	For example, 444-3322 .
^(home_phone;extract.areacode)	For example, 555 .

Use Miscellaneous Extracting Code Operators

Use Miscellaneous Extracting code operators to extract, modify, or alter the actual value in any field. The table below uses the **father_info** field with a value of **Mr. Johnson's work phone is 555-444-3322** as an example:

Code;Code Operator	Description/Function
^(father_info;extract.phone10)	For example, 555-444-3322 .
^(father_info;extract.phone7)	For example, 444-3322 .

Use If/Then Code Operators

Use If/Then code operators to extract, modify, or alter the actual value in any field. The table below uses the **ethnicity** field without a value as an example:

Code;Code Operator	Description/Function
^(ethnicity;if.blank.then=None)	Enters None in all blank ethnicity fields.
^(ethnicity;if.not.blank.then=None)	Enters None in all non-blank ethnicity fields.
^(ethnicity;if.fieldvalue.white.then=Caucasian)	Replaces a specific value with another value.
^(ethnicity;if.fieldvalue#Caucasian.then=Other)	Enters Other in all ethnicity fields that do not contain Caucasian.

Class Roster Codes

You can use specific static codes when you create a Class Roster report.

To create a Class Roster report:



1. On the Home page, click **Reports**. The Reports page displays.
2. Click **Class Rosters (PDF)** at the bottom of the **Traditional Reports** column. The Class Rosters (PDF) page displays:

Class Rosters (PDF)

Print rosters for
(hold the COMMAND key to make multiple selections)

Period(s) (leave blank for all) (comma-separated)

Include students who

are currently enrolled in class

were enrolled on 7/25/2002

were enrolled any time between and

Heading font

Size, line height, style 18 (points) Bold Italic Underline

Print heading on

Heading text (Fields)
Enter ^(teachername) to cause the teacher name to appear, and ^(period) for the period

Column title font

Size, line height, style 10 (points) Bold Italic Underline

Print column titles on

Roster Font

Size, line height, style 12 (points) Bold Italic Underline

Format: field name \ column title \ column width \ alignment

Roster columns (Fields)

3. Enter any of the codes listed in the following table in the **Heading Text** or **Roster Columns** fields:

Result	Code	Description/Function
PowerGrade Final Grade	^(pg.final.grade;Q3)	The student's Q3 final grade as it appears in the teacher's PowerGrade.
PowerGrade Final Grade Percent	^(pg.final.percent;Q3)	The student's Q3 final grade percent as it appears in the teacher's PowerGrade.
PowerGrade Citizenship	^(pg.final.citizenship;Q3)	The student's Q3 citizenship grade as it appears in the teacher's PowerGrade.



Result	Code	Description/Function
Historical Final Grade	^(historical;Q3;Grade)	The student's Q3 stored grade in this class.
Historical Final Grade Percent	^(historical;Q3;Percent)	The student's Q3 stored percent grade in this class.
Historical Citizenship Grade	^(historical;Q3;Citizenship)	The student's Q3 stored citizenship grade.
Historical Credit Hours	^(historical;Q3;EarnedCrHrs)	The credit hours the student earned for this stored grade.
Historical Teacher Comments	^(historical;Q3;Comment)	Any teacher comments for Q3.
Historical Grade Date	^(historical;Q3;DateStored)	The date the historical grade was stored.
Historical Absences	^(att;abs;Q3)	The student's total absences in this class during the term with an abbreviation of Q3. <i>Note: Absences include all codes for which you selected Absent at the Counts as field on the Attendance Codes page.</i>
Historical Tardies	^(att;tar;Q3)	The student's total tardies in this class during the term with an abbreviation of Q3. <i>Note: Tardies include all codes for which you selected Tardy at the Counts as field on the Attendance Codes page.</i>
Historical Attendance by Code	^(att;H;Q3)	The total number of the attendance code H that the student earned during Q3 in this class.
Historical Attendance by Code and Date	^(att;E;1/10/99;3/10/99)	The total number of the attendance code E that the



Result	Code	Description/Function
by Code and Date		student earned between the dates specified.
Historical Enrolled Attendance by Code	^(att;H)	The total number of the attendance code H the student earned during the entire time he or she was enrolled in the class.
Historical Enrolled Absences	^(att;abs)	The total number absences the student earned during the entire time he or she was enrolled in the class.
Historical Attendance Points	^(attpoints;Q3)	The total attendance points the student earned in this class during Q3.
Historical Enrolled Attendance Points	^(attpoints)	The total attendance points the student earned during the entire time he or she was enrolled in this class.
Historical Attendance Points by Date	^(attpoints;1/10/99;3/10/99)	The total attendance points the student earned between the specified dates.

4. Click **Submit**. The report inserts information specific for each student, as you specified by entering fields and codes.

GPA Codes

You can insert codes to include student GPAs in reports, custom pages, or export files.

Note: When you include a GPA code in an export file, do not include the ^ symbol or parenthesis () with the code.

To display cumulative GPAs and cumulative credit hours from students' historical grades files, the system includes only the years specified on your school's School Setup pages. This way, seventh- and eighth-grade historical grades do not affect high school GPA calculations.

Note: The difference between a weighted GPA and a simple GPA is that a weighted GPA takes into account the credit hours of a class, while a simple GPA does not. For example, assume a student was enrolled in only two yearlong classes: a history class



worth 1.0 credit hour and a P.E. class worth .25 credit hours. If the student earned an A in History and a C in P.E., then that student's simple GPA would be 3.0 but his or her weighted GPA would be 3.6. The weighted GPA is higher because the History grade – worth 1 credit hour - counts more toward the GPA than the P.E. class, which is worth only .25 credit hours.

Cumulative GPA Codes

Use the following codes to insert cumulative GPAs:

If you want this information...	Use this code:	Notes
Cumulative GPA (weighted)	<code>^(*gpa)</code>	The cumulative GPA for the student.
Cumulative GPA (simple)	<code>^(*gpa.simple)</code>	The cumulative GPA for the student using the simple calculation method rather than the weighted method.
Cumulative credit hours earned	<code>^(*credit_hours)</code>	The credit hours the student earned in all courses on his or her Historical Grades page.
Class rank (based on cumulative weighted GPA)	<code>^(*class_rank_out_of;gpa)</code>	The student's class rank based on GPA. You can use any valid GPA type as the GPA parameter, such as gpa.simple or gpa.percent .
Cumulative avg. % earned in all classes (weighted)	<code>^(*gpa.percent)</code>	The cumulative percent GPA for the student.
Cumulative avg. % earned in all classes (simple)	<code>^(*gpa.percent.simple)</code>	The cumulative percent GPA for the student using the simple rather than the weighted calculation method.

Use GPA Codes for Specific Years and Terms

Use the following codes to insert GPAs for specific years and terms:



If you want this information ...	Use this code:	Notes
GPA for Quarter 1 (weighted)	<code>^(*gpa;Q1)</code>	Calculates the student's GPA for Q1 of the year in which the user is currently working in PowerSchool SIS. To insert this GPA, you must have already stored grades for Quarter 1.
GPA for the student's entire junior year	<code>^(*gpa;11)</code>	Calculates the student's GPA for grade 11.
GPA for Q1 of the student's junior year	<code>^(*gpa;11;Q1)</code>	Calculates the student's GPA for Q1 of grade 11. <i>Note: The order in which you enter the parameters does not matter; <code>^(*gpa;Q1;11)</code> displays the same GPA as <code>^(*gpa;11;Q1)</code>.</i>
GPA for the year 1997	<code>^(*gpa;1997)</code>	Calculates the student's GPA for 1997.
GPA for Quarter 3 (simple)	<code>^(*gpa.simple;Q3)</code>	Calculates the student's simple GPA for Quarter 3. <i>Note: You can enter percent instead of simple if you want to insert the student's percent GPA.</i>

Use Current GPA Codes

Use the following codes to insert current GPAs:

If you want this information...	Use this code:	Notes
The current GPA (simple)	<code>^(*gpa.current)</code>	The student's current grades as displayed on the Quick Lookup page. <i>Note: The system always</i>



If you want this information...	Use this code:	Notes
		<i>uses the simple calculation method to calculate current grades.</i>
The average % being earned in the current classes (simple)	^(*gpa.current.percent)	The student's current percent grades, as displayed on the Quick Lookup page.

Use Weighted GPAs by Credit Type Codes

Use the following codes to insert weighted GPAs by credit type:

If you want this information...	Use this code:	Notes
Weighted GPA by Credit Type	^(*gpa.credit_type.ENG)	The student's weighted GPA for all historical grades that are of the credit type ENG.
Weighted GPA by Credit Type by Grade	^(*gpa.credit_type.ENG; 12)	The student's weighted GPA for all historical grades that are of the credit type ENG earned in the twelfth grade.