Powerschool Report codes

Reporting etiquette:

> Naming Standards—Begin each report with your 3 character school code (ie FRA, CMS, JOA, PHS)
> Your reports should only be available to your school only.

Misc codes:

\<moveto x,y\> move to any location
\<tabc x\> tab to location
\<b\> bold
\<i\> italics

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

Character Code Operators:

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 **in** with **azz**).
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). **Tip**: You can use this code operator to extract either the numbers or letters from alphanumeric fields.

Using 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
^[date]	Date: **2/24/99**
^[letter.date]	Date (letter): **February 24, 1999**
^[short.date]	Date: **Wed, Mar 19, 2003**
^[time]	Inserts current time such as 11:34 AM.
^(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.

Using 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.

Using 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.

Using 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**.

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 (for example, gpa.simple or gpa.percent)
Cumulative avg. % earned in all classes (weighted)	^(*gpa.percent)	Inserts the student's cumulative average percent in all classes using 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).

		Note: Your school must previously store the Q1 grades for the code to insert the correct GPA.
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. Note: You can enter the codes in any order; if you enter ^(*gpa;Q1;11), the system inserts the same number if you enter ^(*gpa;11;Q1).
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 the each student's current grade from the Quick Lookup page. Note: The system always uses the simple calculation method to calculate current grades.
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 (for example, 99-00 Quarter 4).
School Year / Term Abbreviation	^(abbryearterm)	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)**. **Note**: This code is often inserted in report card footers if you do not include the teacher comments in the schedule listing.
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;true)	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;true)	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.
Period Information	^(*period_info;1;current_percent)	The student's current percent grade in his or her period 1 class.
Period Information	^(*period_info;1;current_citizenship)	The student's current citizenship grade in his or her period 1 class.
Period Information	^(*period_info;01;teacher_name)	The name of the teacher who teaches the student's period 1 class.
Period Information	^(*period_info;1;teacher_comment)	The student's current teacher comment in his or her period 1 class.
Period Information	^(*period_info;1;course_name)	The name of the student's period 1 course.
Period Information	^(*period_info;1;course_number)	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_number)	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.

Derived Codes

Result	Code/Examples	Description / Function
Period Information	***period_info**	Inserts period-specific schedule information from the students'

		Examples: *period_info;03;teacher_name *period_info;03;course_name *period_info;03;course_number *period_info;03;room *period_info;03;current_grade;S2 *period_info;03;current_percent;Q3 *period_info;03;current_citizenship *period_info;03;section_number *period_info;03;teacher_comment	current schedule.
GPA		***gpa** **Examples:** *gpa *gpa.simple *gpa;S1 *gpa.simple;Q3 *gpa;1999 *gpa;1999;S1 *gpa.simple;9 *gpa.simple;10;S1 *gpa.credittype.Math *gpa.credittype.Math;S2 *gpa.credittype.Math;1999 *gpa.credittype.Math;11 *gpa.credittype.Math;9;S1 *gpa.credittype.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	Use the gpa codes to create many different gpas for a student. You can use parameters for specific gpa's for year, term, grade level, and credit type. You can also use these parameters for percentage gpa's.
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)	Inserts period-specific attendance code totals. You can restrict by term, code(s), and date. The default attendance code is ABS for all absences.

	^(att.per;03;2/1/2001;4/1/2001;I)	
Daily Membership Totals	***DM** **Examples**: *DM;S1 *DM;1/16/2001;5/31/2001	Inserts membership totals. You can restrict by term and by date.
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.then=) ^(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 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) ^(stored.by.course.number;120;Q2;earnedcrhrs) ^(stored.by.course.number;120;Q2;potentialcrhrs)	Inserts stored grade information.
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 may choose 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 may choose 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. Aggregate membership days are the 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. **Note**: The system uses only days in the current school year in the total. 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 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.

Search Codes - codes used to select a group of students

At times you may want to select a group of students how share some kind of commonality. For example suppose you wanted to get a list of all students who were currently getting an 'F' in any class. PowerSchool will help you easily select this group of students using special **Search Codes**

The table below lists each of these codes and their functions. (*Hint* Choose **Edit --> Find** from your browser's file menu to search this page.)

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	Returns a list of all students who were 'active' on that day active meaning enrolled on or before and exited on or after.
Students not enrolled in a period	*not_enrolled_in_period=1	Selects those students not currently enrolled in a period 1 course.
Students in a course	*enrolled_in = 9500	Selects those students enrolled in course 9500 in the current term.
Students in a course and section	*enrolled_in = 9500.08	Selects those students enrolled in section 08 of course 9500.
Students not in a course	*not_enrolled_in = 9500	Selects those students not currently enrolled in course 9500.
Students who have completed a course.	*has_completed_course = 9500	Select those students who have at least one entry of course 9500 on their 'historical grades' screen.
Students who have not completed a course.	*has_not_completed = 9500	Selects those students who do not have any entries for course 9500 on their 'historical grades' screen.
Students with X amount of credits	*cumulative_credit_hours < 16	Selects those students with fewer than 16 overall credit hours on their historical grades screen.
Students with X number of classes	*number_of_classes < 6	Selects those students currently enrolled in fewer than 6 classes another example: *number_of_classes # 8 those students enrolled in less than or more than 8 classes.
Students with X number of attendance points	*attendance_points > 3.0	Students with more than 3 attendance points in any class.
Students with X number of attendance points (per quarter)	*attendance_points(Q4) > 3.0	Students with more than 3 att. pts. in Q4 in any class.
Students with X number of	*attendance_points(1/1/99,3/1/99) > 3.0	Students with more than 3 att. pts. in the dates specified in

attendance points (by date)		any class.
Resource Students	*special_program == resource	Selects students with any enrollments in the 'resource' special program.
Requested Credit Hours	*hours_requested <: 7.5	Students who have requested less than 7.5 credit hours.