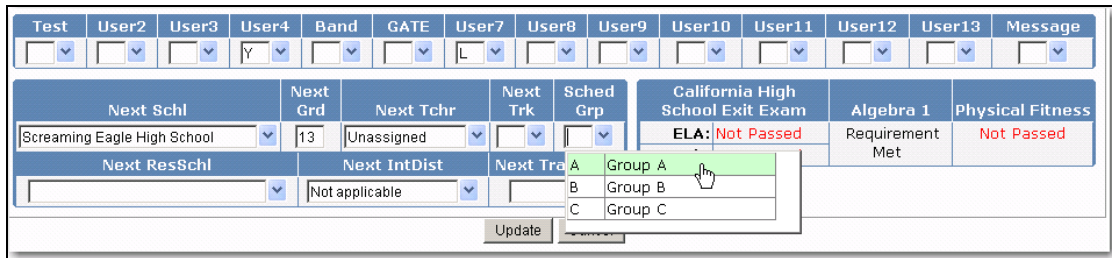


Aeries.net™ Student Information System Scheduling Groups and Teams July 18, 2010

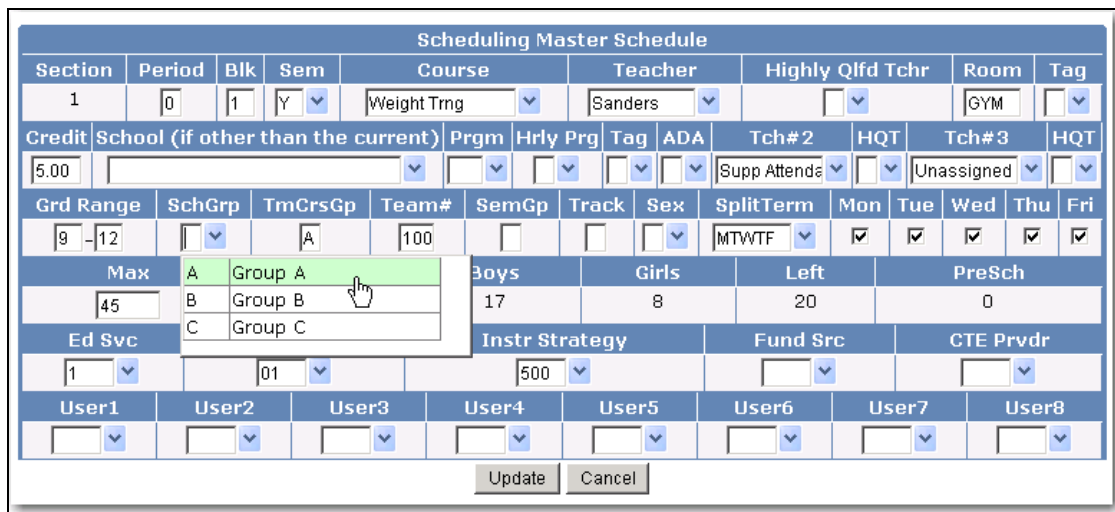
SCHEDULING GROUP FIELDS

There are two **Scheduling Group** fields when used together will create a scheduling restriction in the **SMS** table in the same way as the grade range and sex code fields. One **SchedGrp** field is stored in the **STU** table and displays at the bottom of the **Students** form. It also displays on the **Class Scheduling** form next to the **Period and Range** fields.



The screenshot shows the 'Students' form with various fields. The 'Sched Grp' field is highlighted, showing a dropdown menu with options: A Group A, B Group B, and C Group C. Other fields visible include 'Next Schl' (Screaming Eagle High School), 'Next Grd' (13), 'Next Tchr' (Unassigned), 'Next Trk' (), 'Next Tra' (), 'California High School Exit Exam' (ELA: Not Passed), 'Algebra 1 Requirement Met' (Met), and 'Physical Fitness' (Not Passed).

The other **SchedGrp** field is stored in the **SMS** table and displays on the **Scheduling Master Schedule** form. Both are one character in length and can be a letter (A-Z) or number (0-9).



The screenshot shows the 'Scheduling Master Schedule' form. The 'SchedGrp' field is highlighted, showing a dropdown menu with options: A Group A, B Group B, and C Group C. Other fields visible include 'Section' (1), 'Period' (0), 'Blk' (1), 'Sem' (Y), 'Course' (Weight Trng), 'Teacher' (Sanders), 'Highly Qlfd Tchr' (), 'Room' (GYM), 'Tag' (), 'Credit' (5.00), 'School' (if other than the current), 'Prgm', 'Hrly Prg', 'Tag', 'ADA', 'Tch#2' (Supp Attende), 'HQT', 'Tch#3' (Unassigned), 'HQT', 'Grd Range' (9-12), 'TmCrsgp' (A), 'Team#' (100), 'SemGp', 'Track', 'Sex' (), 'SplitTerm' (MTWTF), 'Mon' (), 'Tue' (), 'Wed' (), 'Thu' (), 'Fri' (), 'Max' (45), 'Ed Svc' (1), 'Boys' (17), 'Girls' (8), 'Left' (20), 'PreSch' (0), 'Instr Strategy' (500), 'Fund Src', 'CTE Prvdr', 'User1' through 'User8'.

Students are flagged with a specific group and sections are flagged with a matching scheduling group, such as group "A". When the scheduler runs it only schedules students flagged as group A into sections flagged with a matching scheduling group of "A" or sections that have a blank scheduling group. The scheduler continues to schedule students into groups. All students with a blank **Scheduling Group** are restricted from sections that have a **Scheduling Group**.

As an example, a school wants to divide **ALL** 9th grade students into **GROUPS** A, B, or C to be “grouped” together into certain classes when the scheduler runs with PE and electives not grouped. The following steps are performed:

1. **All** 9th grade students are assigned to group A, B or C by flagging them on the **Student** form in the **SchedGrp** field.

Group A Students	Group B Students	Group C Students
Lori Williamson	Barry Lloyd	Jerry Lloyd
John Casey	Greg Foran	Dal Pope
Kathy Kubitz	John Waldon	James Kelly
Judi Beghtol	Linda Lloyd	Sam Defeo

2. English, Math, Social Studies, and Science are courses to be flagged into groups with PE and electives not flagged.

- **Group A** – select sections for English, Math, Social Studies and Science. Flag with “A” in the **SchedGrp** field.
- **Group B** – select sections for English, Math, Social Studies and Science. Flag with “B” in the **SchedGrp** field.
- **Group C** – select sections for English, Math, Social Studies and Science. Flag with “C” in the **SchedGrp** field
- **DO NOT** flag PE and electives in the **SchedGrp** field

Group A Sections 701-704	Group B Sections 705-708	Group C Sections 709-712
English –9	English – 9	English – 9
Math – 9	Math – 9	Math – 9
Social Studies – 9	Social Studies –9	Social Studies – 9
Science -9	Science – 9	Science – 9

3. Run the scheduler. Group A sections will only have Group A students, Group B sections will only have Group B students, and Group C sections will only have Group C students.

Group A Students Scheduled into Sections 701 - 704	Group B Students Scheduled into Sections 705-708	Group C Students Scheduled into Sections 709-712
Lori Williamson	Barry Lloyd	Jerry Lloyd
John Casey	Greg Foran	Dal Pope
Kathy Kubitz	John Waldon	James Kelly
Judi Beghtol	Linda Lloyd	Sam Defeo

4. PE and elective courses will have a mixture of students from each of the three teams. Students with a blank in the **SchedGrp** field will not be scheduled into any “grouped” sections.

PE	Pottery	Jewelry
Barry Lloyd	Linda Lloyd	Jerry Lloyd
John Casey	Greg Foran	Dal Pope
James Kelly	John Waldon	Kathy Kubitz
Judi Beghtol	Lori Williamson	Sam Defeo

The following example displays Judi Beghtol flagged in Schedule Group A with specific Course requests. When the scheduler ran the sections for these courses that were flagged for Scheduling Group A were assigned and the PE class was randomly scheduled.

Class Scheduling and Course Requests											
Flag	StuNum	Last Name	First Name	Middle Name	Perm ID Num	Sex	Grd	Age	Birthdate	Prog	T
	327	Beghtol	Judi	F	99400327	F	9	15	5/13/1995		

Course Requests		Term View		Term and Day of Week View	
Counselor	Number/Name	Period	Range	Schedule Group	Update
605	ACOSTA, RICHARD EDWARD	0	9	Group A	Change

Crs ID	Course Title	0123456789	Prf	Teacher Name	Meets	AltCrs	Sec#	Per	Trm	Tr	SG	GP	CG	Tm#	Reject	ALL
0897	English 9	-X--AA----	000	Unassigned	MTWTF		701	1	Y		A			0		
0914	Math 9	-AX---A----	000	Unassigned	MTWTF		702	2	Y		A			0		
0910	Soc Studies 9	---X-----	000	Unassigned	MTWTF		703	3	Y		A			0		
201	Science 9	----X-----	000	Unassigned	MTWTF		704	4	Y		A			0		
0010	PE 9	-AAAAX----	000	Sanders	MTWTF		5000	5	Y					0		

[Add New Record](#)
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SCHEDULING TEAM / COURSE GROUP AND TEAM NUMBER FIELDS

The **Team/Course Group** (SMS.CG) and **Team Number** (SMS.TM) fields have been added to the **Scheduling Master Schedule** form. The **TmCrsGp** field may be any letter (A-Z) and the **Team#** field may be any number 0-9999.

Scheduling Master Schedule															
Section	Period	Blk	Sem	Course	Teacher	Highly Qlfd Tchr	Room	Tag							
131	1	1	Y	0800 - Science Gr 8	100 - Assistant Prin										
Credit	School (if other than the current)			Prgm	Hrly Prg	Tag	ADA	Tch#2	HQT	Tch#3	HQT				
0.00								0 - Unassigned		0 - Unassigned					
Grd Range	SchGrp	TmCrsGp	Team#	SemGp	Track	Sex	SplitTerm	Mon	Tue	Wed	Thu	Fri			
8-8		A	100				MTWTF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Max	Total		Boys	Girls	Left	PreSch									
30	0		0	0	30	0									
Ed Svc	Lang Instr		Instr Strategy			Fund Src		CTE Prvdr							
User1	User2	User3	User4	User5	User6	User7	User8								
Add Copy Change Delete															

The scheduling logic that has been applied to these fields is the same scheduling logic that was used with the SMS Group field and Teacher numbers where the courses flagged with A-Z must have the same teacher number as other courses flagged with A-Z.

To use the Team/Course Group and Team Number fields, assign the **same** Team/ Course Group letter (A-Z) to **all** sections of **all** courses that are to be divided into teams or groups. In the example we will have Team/Course Group A with Team Numbers 100 –102.

Group A
English Gr 8
Math Gr 8
Social Studies Gr 8
Science Gr 8

Then use the **Team Number** field to indicate the sections that are to be assigned to each group. For example, use 100 for the first group of sections, 101 for the second group of sections, etc.

Using the same example as above, dividing students into three teams, this application would allow the scheduler to determine the team placement for each student.

1. English, Math, Social Studies, and Science are the courses that are to be teamed, with PE and an elective as the non-teamed courses that are taught at the school.
2. Mark **all** sections of English, Math, Social Studies, and Science with an “A” in the Team/Course Group field in the SMS table.
3. Then, using the Team Number field in the SMS table, mark **all** sections for the first team with “100”. Mark **all** sections for the second team with “101”. Mark **all** sections for the third team with “102”. Remember, you do not have to use 100, 101 and 102. You may use any numbers. But **all** sections for each Team/Course Group must have the **same** Team Number!
4. The PE and elective sections in the SMS table have a blank Team/Course Group field and a blank Team Number field.
5. When students are scheduled, if a student is scheduled into an English section marked with Team/Class Group “A” and a Team Number of a “100”, then that student’s Math, Social Studies, and Science sections will also have a Team Number of “100”. If a student is scheduled into an English section marked with Team/Class Group “A” and a Team Number of “101”, then that student’s Math, Social Studies, and Science sections will also have a Team Number of “101”, etc.
6. PE and elective sections will have a mixture of students from each of the three teams.

REMEMBER: Each Team must have a unique team number.

The same group of students will be scheduled together for English, Math, Social Studies and Science. PE and Computers are not grouped and will take any student.

The graph below displays two different colors that indicate possibilities of how students in Team/Course Group A for Teams 100 and 101 could be scheduled.

For example, the **same students** would be scheduled to take English (A 100) Period 1 with Jones, Math (A 100) Period 2 with Casey, Social Studies (A 100) Period 3 with Doyle and Science (A 100) Period 4 with Albert. They would be scheduled into PE and Computers depending upon seats available.

TCH	Per 1	Per 2	Per 3	Per 4	Per 5	Per 6	Per 7
Jones	English A 100	English A 100	English A 100	Math A 101	Lunch	English A 102	English A 100
Casey	English A 101	Math A 100	Math A 101	Math A 102	Lunch	Math A 102	Math A 100
Doyle	Soc St A 102	Soc St A 101	Soc St A 100	Soc St A 101	Lunch	Soc St A 102	Science A 102
Albert	Science A 102	Science A 102	Science A 102	Science A 100	Lunch	Math A 100	Science A 101
Bryant	PE	PE	PE	PE	Lunch	PE	PE
Gates	Computer	Computer	Computer	Computer	Lunch	Computer	Computer