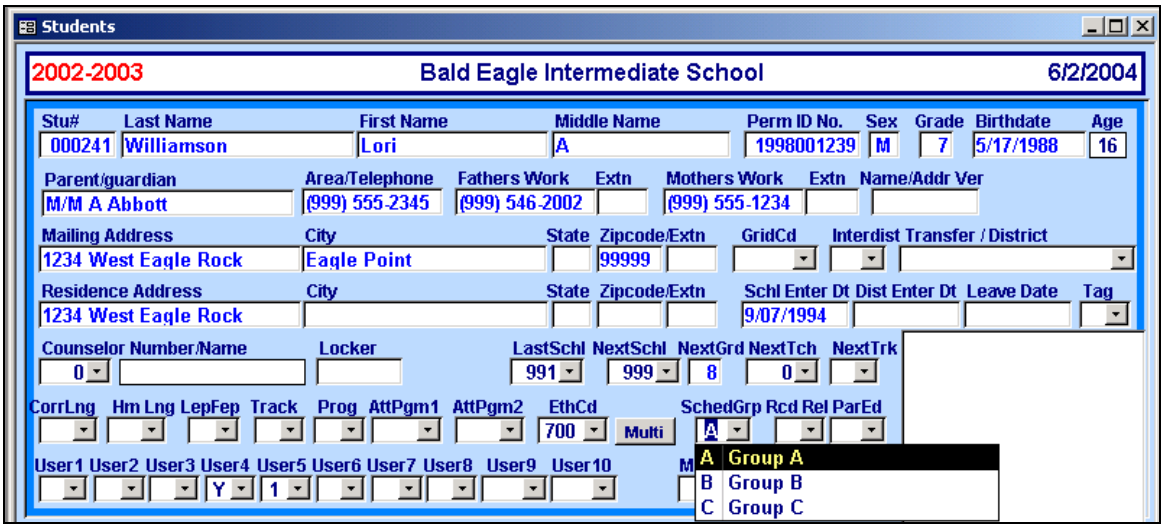
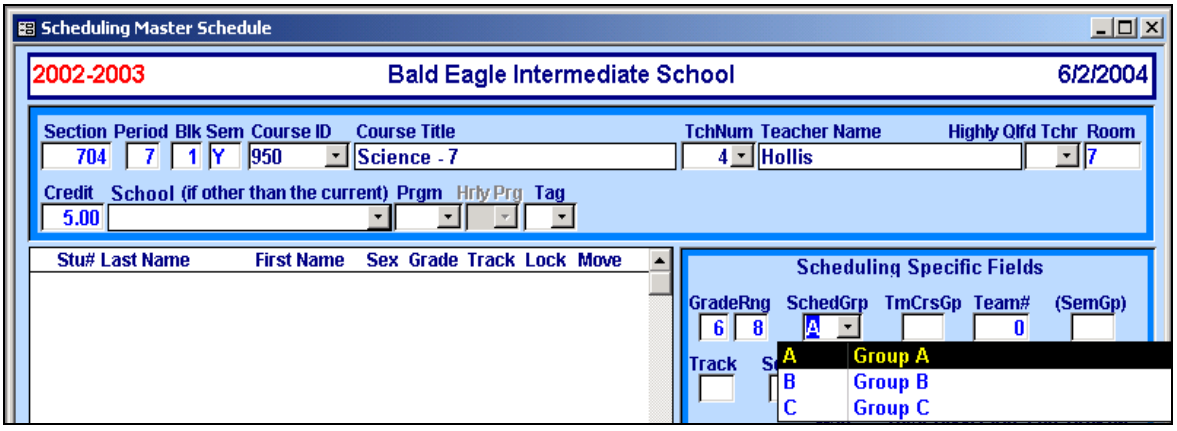
Scheduling Groups and Teams

SCHEDULING GROUP FIELDS

There are two **Scheduling Group** fields that work together to create a scheduling restriction like the grade range and sex code fields do in the **SMS** table. One **SchedGrp** field is stored in the **STU** table and displays on the **Students** form next to the **MULTI** ethnic code button. It also displays on the **Class Scheduling** form next to the **PerRng** field.



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).



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** 7th 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** 7th 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	Janet Hanson	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 –7	English – 7	English – 7
Math – 7	Math – 7	Math – 7
Social Studies – 7	Social Studies –7	Social Studies – 7
Science -7	Science - 7	Science – 7

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.

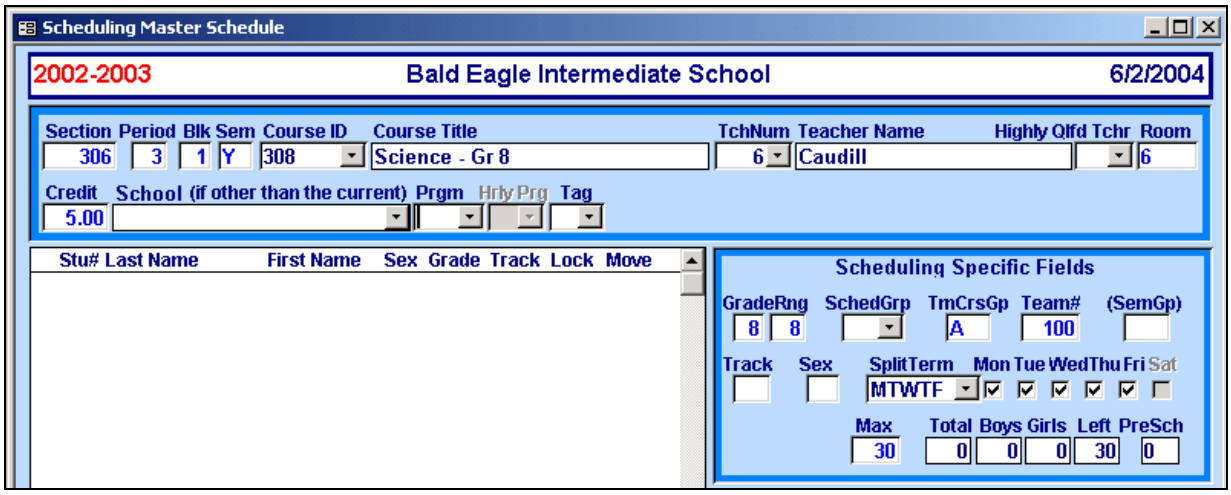
Group A Students Scheduled into Sections 701 - 704	Group B Students Scheduled into Sections 705-708	Group C Students Scheduled into Sections 709-712
Lori Williamson	Barry Lloyd	Jerry Lloyd
John Casey	Janet Hanson	Dal Pope
Kathy Kubitz	John Waldon	James Kelly
Judi Beghtol	Linda Lloyd	Sam Defeo

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	Janet Hanson	Dal Pope
James Kelly	John Waldon	Kathy Kubitz
Judi Beghtol	Lori Williamson	Sam Defeo

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.



The scheduling logic 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 K-Z must have the same teacher number as other courses flagged with K-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 and102. 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