

**PLUG IN &
CONNECT**



**SYMPOSIUM
2017**

Scheduling in PowerSchool - TroubleShooting

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Session Room | Session Time

Today....

- 1) Known problems that occur in PowerScheduler
- 2) Tips for mass updates
- 3) Got a question? We have answers



Errors and Warnings

Warning The Room file contains a room without a Department code. The room is MB 01. – **Correct all room issues!**

Warning The Room may be unsuitable for the course. **The teacher's preferred room max enrollment is smaller than the course's max enrollment! Room Utilizing Repot while building (after the import)**

Warning Invalid maximum consecutive value found in the Teacher file. **Under Teachers, pull up the teacher noted and change the Consecutive Periods available**

Labs if checked and not used will give an error that labs are not defined. If you have this, go to the course > Preference > **Remove the lab information and save.**



Errors and Warnings

Error The file tchasgn does not contain any valid data. (Course Rank will tell this too) Any message with “does not contain any valid data” is missing the information.

If Students are the missing, the students have not been scheduled for next year.

If course request are missing, Students Course requests container will be missing data.

Teachers container empty, they need to setup for scheduling.



Zeros on the Course Rank

Course Rank 0 in Sections means NO TEACHER assignments

Demand – student requests

		Build Rank		Update Rank							
Delete	Sys Rank	Rank	Crs Num	Crs Name	Sections	PPC	Demand	Crs Conflicts	Stu Conflicts	Constraints	Comments
<input type="checkbox"/>	10	10	0C025X0122	ACA122 College Transfer Success	0	1	1	4	3		
<input type="checkbox"/>	20	20	BW035X0120	ACC120 Principles of Financial Accountin	0	1	1	4	3		
<input type="checkbox"/>	30	30	BW045X0121	ACC121 Prin of Managerial Accounting	0	1	1	3	2		
<input type="checkbox"/>	40	40	96022X0ACT	ACT Preparation NCVPS	0	1	1	4	3		
<input type="checkbox"/>	50	50	24005X0AFH	Adv Functions and Modeling Honors	0	1	0	0	0		
<input type="checkbox"/>	60	60	43045X0ADV	Advanced American History I	0	1	0	0	0	Yes	
<input type="checkbox"/>	70	70	30205X0ADB	Advanced Biology	0	1	1	8	7	Yes	
<input type="checkbox"/>	80	80	IA322X0A	Advanced Digital Media	0	1	0	0	0	Yes	
<input type="checkbox"/>	90	90	IA325X0H	Advanced Digital Media Honors	0	1	0	0	0		
<input type="checkbox"/>	100	100	48015X0AEH	Advanced European History	0	1	0	0	0		
<input type="checkbox"/>	110	110	48015X0EHV	Advanced European History NCVPS	0	1	0	0	0		



Errors and solutions

1. Courses cannot have a relationship alone – but no way to delete it?
2. Students at the Sending School can't see the course list on the course request screen?
3. Students can't see the course list on the course request screen?
4. Typo on the course request screen?



Errors and solutions

5. Missing course request? But you see the request on the students' schedule!
6. Mass deleting Course Request for a courses
7. Red courses in the course catalog?
8. Zeros on the Course Rank
9. Set Scheduling year – glance in your upper right to ensure of the year



Courses cannot have a relationship with alone

1. Courses cannot have a relationship alone – but no way to delete it?

Course Relationships: Advanced Biology

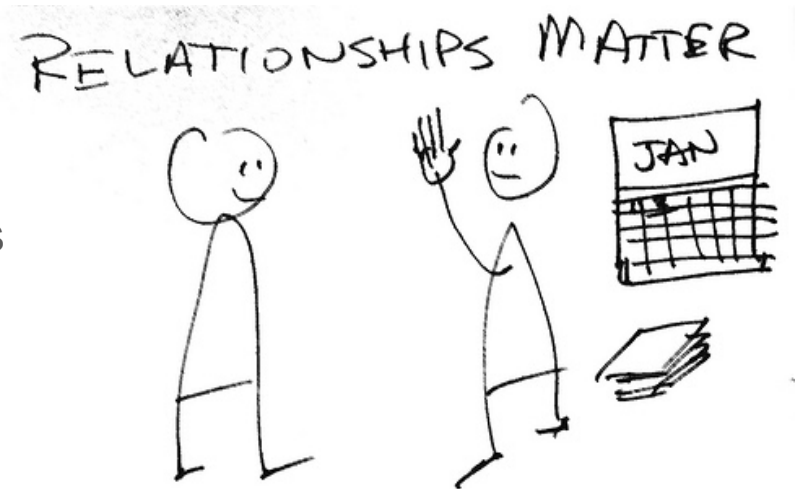
Build: 2017 - 2018 Catalog: 2017-2018 DWK

Assignments Constraints Preferences Relationships Requests Sections

New

Course Name	Course Number	Type	Code
		May Be Built Concurrent With	

1. Copy the course number to the clipboard
2. Navigate to Functions > Update Selections



Courses cannot have a relationship with alone

- Current Table = ScheduledCourseRelationship
- Search criteria

Course_number1 = the course number

Course_number2 = leave it blank

Update Selections

Current Table: ScheduleCourseRelationships
Current Records in Selection: 1 List View Modify Records Select Records by Hand

Select all 2 records in this school

Search ScheduleCourseRelationships

Course_Number1 - 0C025X0122
Course_Number2 -

Search all 2 records in this school Search within the current 1 records only

- Click Modify records

Start Page > PowerScheduler > Scheduling Functions > Update Selections

Update Selections

Current Table: ScheduleCourseRelationships
Current Records in Selection: 2 List View Modify Records Select Records by Hand

Search ScheduleCourseRelationships



Relationship

READ THE SCREEN before continuing!

Course_number2 = populate course_number1



Modify Records

Current Table: ScheduleCourseRelationships

Current number of records in selection: 1

Course_Number2 ▾ :=

Note: This function will permanently modify your database. Use only if you know exactly what you are doing, and then only with extreme caution. Changes are permanent. You may use ^ to reference the existing value of the field.

[Modify Selected Records](#)



Relationship

Now, go to Courses > select the course > Relationship tab

Click the Blue Course name and you can now delete the relationship

Build: 2017 - 2018 Catalog: 2017-2018 DWK

Assignments Constraints Preferences Relationships Requests Sections

New

Course Name	Course Number	Type	Code
ACA122 College Transfer Success	0C025X0122	Is Blocked for Building With	Simultaneous



3 Course Requests Screen Issues

Students at the Sending School can't see the course list on the course request screen?

The sending school does not have a scenario setup. Once one has been setup (don't worry you don't have to use it) the student at the sending school will be able to select their courses.

Students can't see the course list on the course request screen?

Look at the course request courses for a trailing space

Edit Course Group

Option	Value
Name	9th Grade English
Type	Scheduling Only
Applies to	<input type="radio"/> all schools <input checked="" type="radio"/> NC Training HS for Technology

Show Courses: School Master Schedule | Current Catalog



4. Course Request Screen Typo

If a lower case was used, you cannot change it to upper case and save.

BUT you can make it wrong to make it right!



Missing course request? But you see the request on the students' schedule!

GET YOUR STUDENTS:

PowerScheduler > Students > All (or if it a grade level issue just select that one grade level) > Go to PowerSchool

Match the Students to Requests:

In PowerSchool > System > Direct Database Export (DDE)

Current Table = Students (you should see the # of students selected in PowerScheduler)

Current table now needs to = ScheduledRequest – Select all

Click Match Selections (match it to Students)

break it down to the YearID=2700 (search all records)



Missing course request?

Export the records with the following fields:

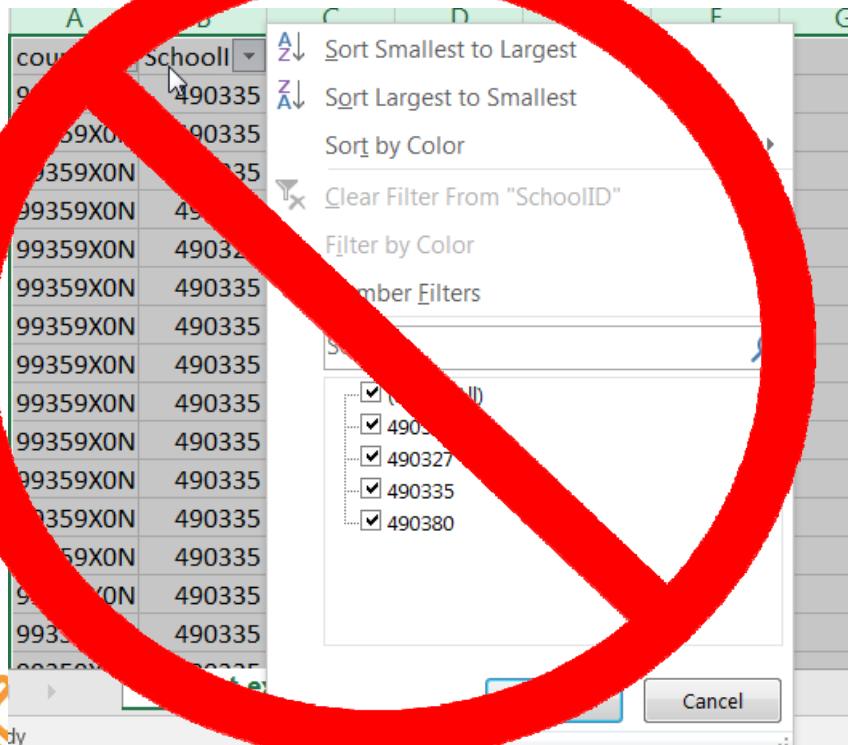
- **coursenumber**
- **SchoolID**
- **Student_Number**
- **[1]LastFirst**
- **StudentID**
- **YearID**

Once exported, open in Excel



Missing course request?

In Excel, Filter on SchoolID. Is it your school's number?



Call your coordinator to correct the schoolid in DDA



Mass deleting Course Request for a courses

Course number wrong? Need to remove it and put the students in the right course number but not student by student?

Select all Students

PowerScheduler > Reports > Course Request Tally and click the Total of the course request for the course request we will delete.

Course Request Tally
Build: 2017 - 2018 Catalog: 2017-2018 DWK

Course	Course Name	Primary	Alternate	Elective Alt	Total
0C025X0122	ACA122 College Transfer Success	1	0	0	1
0C075X0240	PHI240 - Introductory to Ethics	1	0	0	1
10215X0H	English I Honors	291	0	0	291
10225X0H	English II Honors	54	0	0	54
10235X0H	English III Honors	49	0	0	49
10245X0H	English IV Honors	49	0	0	49
2C015X0143	MAT 143 - Quantitative Literacy	1	0	0	1
30205X0ADB	Advanced Biology	1	0	0	1
33202X0A	Biology	54	0	0	54
3C335X0131	CHM131A Introduction to Chemistry Lab	28	0	0	28
43045X0AH	American History I Honors	49	0	0	49
4C035X0111	HIS111 World Civilizations I	28	0	0	28
4C095X0210	SOC210 - Introduction to Sociology	1	0	0	1



Course Request

Students' Functions will open > Mass Add

Add the new course request

Option	Value
Course Number	<input type="text"/> Associate
Section Type	<input type="text"/>
Request Type	Required <input type="text"/>
Priority	<input type="text"/>

When completed, go back to Students' Functions > Mass Delete

Option	Value
Course Number	<input type="text"/> Associate
Section Type	<input type="text"/>
Alternate	<input type="checkbox"/>
What to Delete	<input checked="" type="radio"/> First Occurrence <input type="radio"/> All Occurrences



Red courses in the course catalog?

- Did you set the scheduling year?
- Did you create the new year at both the school and lea?
- The course may have expired and needs to be removed/replaced.



Set Scheduling year

It is a good business practice to glance in your upper right to ensure of the screen to check that the scheduling year is correct each time you access PowerScheduler.

DO NOT put in Course Requests until you have the scheduling year set!



Functions

Functions can mass update:

Students

Teachers

Courses

Rooms



Functions

PowerScheduler > Functions > Update Selections

Current Table = Schedule Catalogs

Click Select All Records

Click List View

Find the record (your Active Catalog) that says True and note the ID of that record (ex. 344)

Select the Courses in your Catalog that you want to Update

PowerScheduler > Functions > Update Selections

Current Table = ScheduleCourseCatalogs

Under the Search option choose field CourseCatalogID

Choose =

Type your Catalog ID (ex 344)

When the records are returned, click Select Records by Hand

Hold down the Control Key and select the courses you want to update





Functions

Use Auto Fill to Update your Courses

Functions > Click Auto Fill Course Information

Make sure you click the selected courses so you don't update everything

Enter in only the data that you want to update (other settings will remain the same)



Remember

When Building or Loading, you MUST import to see the changes you made.

When Building, the Build Log View can give you better ideas as to why something didn't Build.



REPORTS are your Friends

RUN REPORTS!

Look for Yes to schedule for rooms, students, courses, and teachers.

Look for holes in populated columns



Before the Commit ---

DPI highly suggests that a

Pre-Commit validation plugin get installed

It's found on PowerSource

To download the plugin, visit: PowerSource

<https://support.powerschool.com>

Home > Community > PowerSource Exchange

Search for ID=682



Q&A

You have

Questions

We have

Answers

