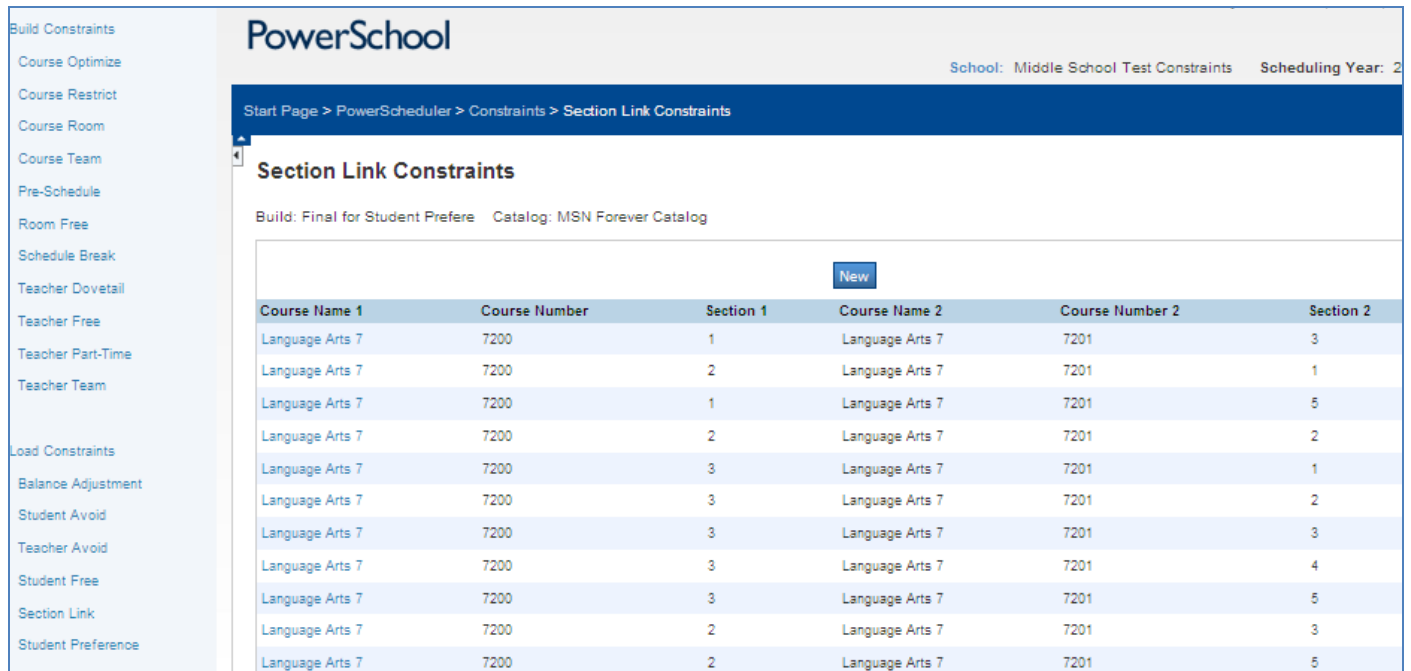


## PowerScheduler Setting Up Section Link Constraints Using Excel

Have your Master Schedule List available to determine what you want to link. In PowerScheduler > Constraints create a set of constraints by hand to setup the export template. You will want to link every section of your S1 course to every section of your S2 course. If you are using trimesters, link your T1 course to every section of your T2 course then link your T1 course to every section of T3; you don't need to link T2 to T3.



The screenshot shows the PowerSchool interface for setting up Section Link Constraints. The breadcrumb trail is: Start Page > PowerScheduler > Constraints > Section Link Constraints. The interface includes a sidebar with various constraint types, a main header with the PowerSchool logo and school information (Middle School Test Constraints, Scheduling Year: 2013), and a table of constraints. A 'New' button is visible above the table.

Course Name 1	Course Number	Section 1	Course Name 2	Course Number 2	Section 2
Language Arts 7	7200	1	Language Arts 7	7201	3
Language Arts 7	7200	2	Language Arts 7	7201	1
Language Arts 7	7200	1	Language Arts 7	7201	5
Language Arts 7	7200	2	Language Arts 7	7201	2
Language Arts 7	7200	3	Language Arts 7	7201	1
Language Arts 7	7200	3	Language Arts 7	7201	2
Language Arts 7	7200	3	Language Arts 7	7201	3
Language Arts 7	7200	3	Language Arts 7	7201	4
Language Arts 7	7200	3	Language Arts 7	7201	5
Language Arts 7	7200	2	Language Arts 7	7201	3
Language Arts 7	7200	2	Language Arts 7	7201	5

In this example above we have taken S1 course 7200 section 1 and linked it to S2 course 7201 sections 1, 2, 3, 4, & 5. Then we linked 7200 section 2 to 7201 sections 1, 2, 3, 4, & 5.

Macomb County schedulers may want to have their PowerSchool Liaison assist in the export/import process.

From the live side select System > DDE > ScheduleConstraints (110) table

**Direct Database Export (DDE)**

Current Table: ScheduleConstraints (110)

Current Records in Selection: 1311

List View Table View Export Records Match Selection Table View Setup

Select all 1311 records in this table

**Search ScheduleConstraints**

ConstraintCode = 92

YearID = 23

Search only in records belonging to Middle School Test Constraints

Search all 1311 records in this table Search within the current 1311 records only.

Select all records in this table

Search ScheduleConstraints for ConstraintCode = 92 and YearID = 23 (for the 2013-2014 school year). Check the box to Search only in records belonging to Middle School Test Constraints. Select to Search all 1311 records in this table.

The search returned the 15 records that were hand keyed into Section Link Constraints in PowerScheduler test case. Make sure you have the correct number of records that you created by hand in PowerScheduler. You can select Table View to view the records.

**Direct Database Export (DDE)**

Current Table: ScheduleConstraints (110)

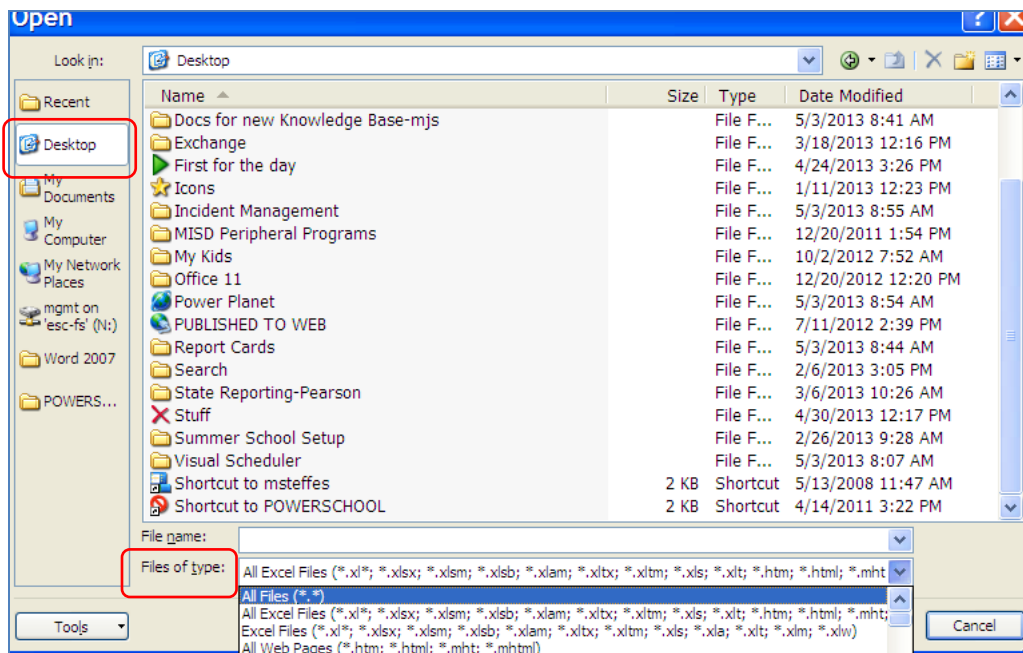
Current Records in Selection: 15

List View Table View Export Records Match Selection Table View Setup

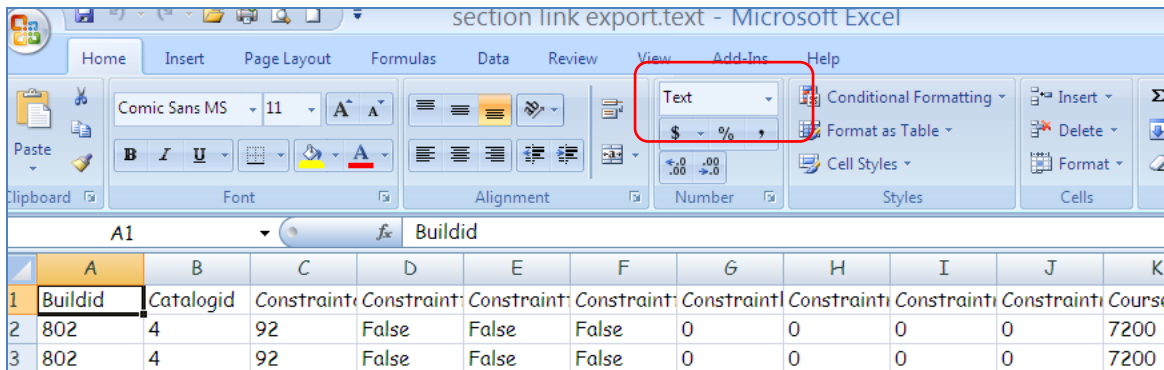
Select Export Records, select the fields below, Submit, Save, name the .text file and save to your Desktop.

BuildID  
CatalogID  
ConstraintCode  
CourseNumber  
CourseNumber2  
SchoolID  
SectionNumber  
SectionNumber2  
YearID

Open Excel and select Open. Drop down Files of type and select All Files. Click on Desktop and navigate to your saved .txt file and Open.

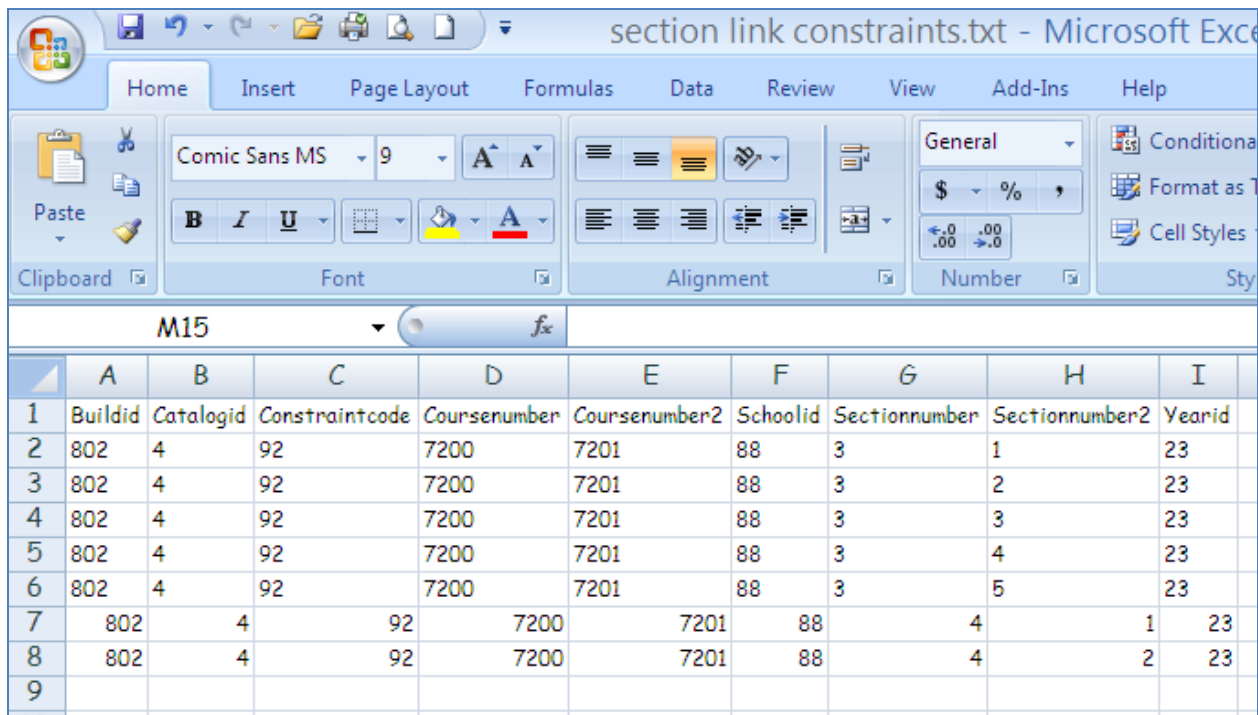


An Import Wizard box will display. Select Next, Next, and on the third step hold down your shift key, move the scroll bar over to the far right highlighting all the columns, select the Text radio button and Finish. This preserves the file as a Text file; PowerSchool can only import .txt files.



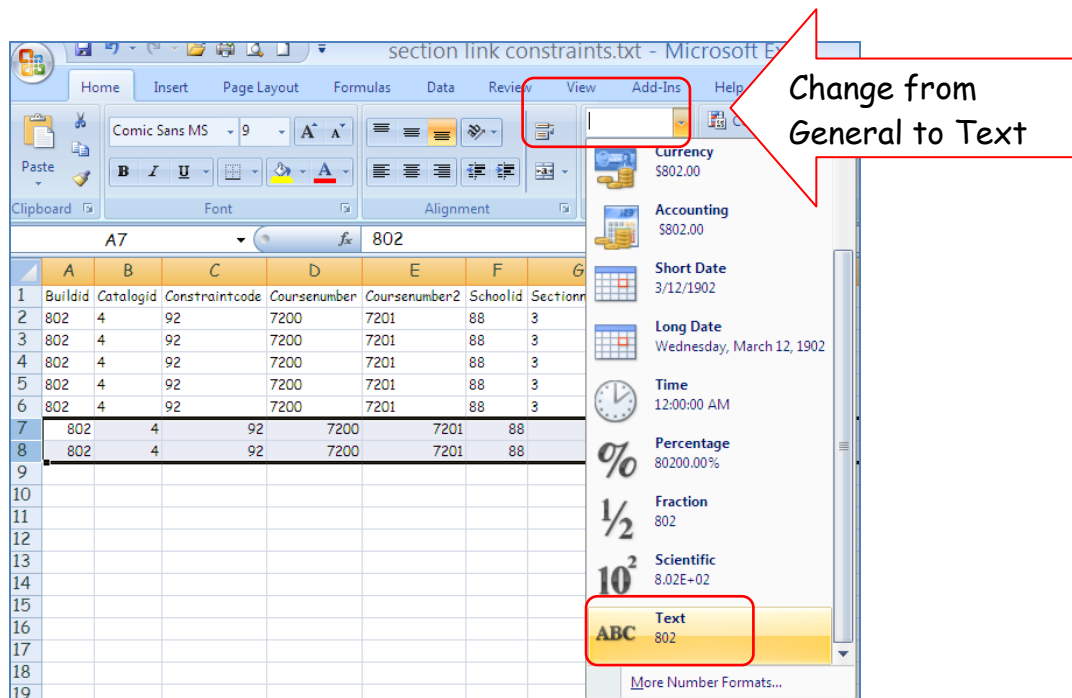
Since you have your template setup you can begin keying in the additional section link constraints using the Coursenumber, Coursenumber2, Sectionnumber, and Sectionnumber2. The other fields can be copied down once your course and section numbers are entered.

You will notice that when keying in the numbers they will justify to the right. These numbers are being keyed in as General numbers which will need to be changed to text when finished.



Once all your data is in place and all columns are filled in you should hilite and delete the top rows that you hand keyed in so they won't duplicate.

In order to make this a text file you will need to hilite the new lines that are right justified (or the entire page), drop down *General* and select *Text*. When you do this all the numbers should now line up left justified.



Select *File > Save As > Other Formats*. The *Save As* box will display where you can name your new document and *Save as type: Text (Tab delimited)(\*.txt)* and *Save*.

To import this file into PowerSchool we recommend that you ask your PowerSchool Liaison to import it for you. They will select *Special Functions > Importing & Exporting > Quick Import*. Select the *Schedule Constraints* table > *Browse out* and grab your file > check box for *Suggest field map* and *Import*.

Option	Value
Table:	Schedule Constraints
Field delimiter:	Tab
End-of-line marker:	CR
Character Set:	Mac Roman
File to import:	C:\Documents and Settings\ [Browse...]
Suggest field map	<input checked="" type="checkbox"/>
School	Middle School Test Constraints

**Import**

Confirm that the field mappings are correct > check the box to exclude first row and Submit. You should see Import run down the page.

Col#	From your file	----->	To PowerSchool
1.	Buildid	----->	BuildID
2.	Catalogid	----->	CatalogID
3.	Constraintcode	----->	ConstraintCode
4.	Coursenumber	----->	CourseNumber
5.	Coursenumber2	----->	CourseNumber2
6.	Schoolid	----->	SchoolID
7.	Sectionnumber	----->	SectionNumber
8.	Sectionnumber2	----->	SectionNumber2
9.	Yearid	----->	YearID

Check to exclude first row

The lines below can be used to assign a constant value to field(s) in all of the imported records.

<input type="text"/>	----->	<input type="text"/>
<input type="text"/>	----->	<input type="text"/>

Submit

When the importing has completed go to PowerScheduler > Constraints and check the Section Link Constraints to confirm they are all there.