

# PowerTeacher Pro Data Migration

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PowerSchool  
Student Information System

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# PowerTeacher Pro Data Migration Overview

PowerTeacher Pro provides a method for you to migrate existing assignments created in PowerTeacher Gradebook (PTG).

The following conditions must be met in order to successfully migrate assignment data:

- Your PowerSchool administrator has set the Gradebook Type to PowerTeacher Pro for the section for the current year.
- No assignments exist in PowerTeacher Pro.
- At least one assignment exists in PTG for the current year.

If these conditions are met, the first time you launch PowerTeacher Pro, a Migrate Data to PowerTeacher Pro screen appears.

If a co-teacher launches PowerTeacher Pro before the lead teacher, all classes in which the co-teacher can edit will be migrated for the lead teacher.

The following items will NOT migrate from PTG:

- Custom teacher-created versions of the grade scale.
- Custom teacher-created score codes (if there is no corresponding grade scale item or special code item in the grade scale). For example, a teacher enters in score code of "x" = 80%. If there is no "x" in a grade scale or special code, then "x" cannot migrate to PowerTeacher Pro, but the value of 80% is migrated correctly.
- Calculation settings. Since calculation settings do not migrate, be sure that your PowerSchool administrator has created any new grade calculation formulas in PowerSchool, or you can create grade calculation formulas in PowerTeacher Pro. For more information, see *Grade Calculations*.
- Content links
- Teacher-defined custom student fields.
- Classes that are designated as read-only in PowerTeacher Pro.

For standards, PowerTeacher Pro uses grade scales instead of conversion scales. As part of the PowerSchool 10 upgrade, copies of conversion scales have been created as grade scales and attached to the appropriate standards.

Be sure to review existing standards in PowerSchool and verify that the correct grade scales are associated to standards. If the grade scale differs from the conversion scale, the standard scores will be converted to the new grade scale and may not reflect the original grade. In some cases, incorrect standard grade scales will cause the section to fail migration and require administrator action.

When you sign in to PowerTeacher Pro for the first time, the Migrate Data to PowerTeacher Pro dialog appears. When you click Migrate Data, all scores from PowerTeacher Gradebook (PTG) are migrated to PowerTeacher Pro. This guide provides an overview of what

transpires with the Assignment Score and Assignment Standard Score data during this process.

## **Important Administration Steps for Standards**

It is important that the administrator ensures that the grade scales created from conversion scales during the upgrade to PowerSchool 10 are correct.

The standard scores are created using the new grade scales, so it is important to ensure that the grade scales contain the same grade labels and values. Numeric grade scales should have the same range (min and max) as the conversion scale.

Also, any new standards created for a new year and in use in PTG must be assigned a conversion scale and grade scale that are also identical. This will ensure that any conversion to PowerTeacher Pro maintains the same standard scores in assignments.

If the scales do not match, a conversion will be applied as detailed elsewhere in this document.

If the conversion scale is numeric and the grade scale is the "Default" grade scale, then the migration will fail since this is an indication of improper conversion scale migration that requires administrator action to correct. In this case, the standard identifiers that need correction will be listed in an error message.

## Migrating Scores to PowerTeacher Pro

The migration performs the following basic steps:

- Reads PTG section data and teacher categories.
- Locks any final grades for complete reporting terms. For example, PGFinalGrades and StandardGradeSection rows are set to overridefg=1 or islocked=1, respectively, for completed reporting terms, so subsequent changes to PowerTeacher Pro do not affect reported grades.
- Creates teacher categories in PowerTeacher Pro.
- Creates assignments and assignment standards associations in PowerTeacher Pro.
- Creates assignment scores and assignment standards scores in PowerTeacher Pro.
- Creates teacher display preference settings in PowerTeacher Pro from PTG Preferences.

The following best case scenario is expected for assignment and assignment standards grades.

- There have been no changes to the grade scale used for the section prior to the migration.
- There have been no changes between the original conversion scale and the grade scale created and assigned to the standards associated to the course prior to conversion.

## Expected Data Differences from PTG to PowerTeacher Pro

### Teacher Score Codes

Teacher score codes will not be migrated. Instead, the equivalent entered value that results in the same numerical score will be used.

**Example:** If a score code is 70% percent for an assignment, then a 70%, 7 out of 10 points, or C- (depending on the scoring type for the assignment) appears as the grade in PowerTeacher Pro, and the same score values found in the PTG assignment score appears on the PowerTeacher Pro assignment score in the application and in the database.

If a teacher score code is an Exempt code, then this translates as if the Exempt attribute was enabled in PowerTeacher Pro.

## Converting a Percent to a Numeric Grade Scale for Standards Scores

There is a new option for numeric grade scales (used for standards in PowerTeacher Pro) that gives you the option to use cutoff % or percent value (**When Converting Other Scales Into This Scale**).

All conversions needed for PTG to PowerTeacher Pro for these types of scales will use the cutoff % regardless of this option setting on the grade scale.

## Assignment Scores

Assignment scores are held in PTG with the following relevant fields:

Column Name	Description
Score	Total Points earned by this score (based on grade entered and Assignment Total Points)
ActualScoreEntered	The Percent, Letter Grade, Teacher Code, or Points entered in the UI.
ScoreType	0 = normal, 1 = Teacher Code, 2 = Exempt Teacher code

With these columns and a total point value from the assignment, the ActualScoreEntered value is calculated or derived for the new PowerTeacher Pro assignment score.

Assignment Scoring Type	Determined Actual Entered Score	Notes
Points	PTG score column value. For example, "7" if they were awarded 7 points on an assignment in PTG.	Max decimals set to 2 and rounded.
Percent	PTG score * 100 / Points Possible for the Assignment. For example $7 * 100 / 10 = 70.00\%$	Max decimals set to 2 and rounded.

Grade Scale (alpha scale)	PTG only allows Alpha scales, so the percent from above is calculated and used to look up the grade label associated to that percent in the grade scale. A score of 7 out of 10 would be a 70%, and the Teacher Gradebook Cutoff % entered on the Grade Scale page in PowerSchool is used to look up a grade such as C-.	See Grade Scale screenshot. Starting at the top, the value of 70% is $\geq$ the Cutoff % in the C- grade row.
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### Grade Scale

Grades		GPA and Credit Values				Teacher Gradebook Values		
Grade *	Description	Counts in GPA	Grade Points (GPA)	Added Value	Grad Credit	Teacher Scale	Cutoff % *	Grade Value *
A+	Superior	<input checked="" type="checkbox"/>	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	100	100
A	Superior	<input checked="" type="checkbox"/>	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	92.5	96
A-	Superior	<input checked="" type="checkbox"/>	3.69999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	89.5	92
B+	Good	<input checked="" type="checkbox"/>	3.29999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	86.5	88
B	Good	<input checked="" type="checkbox"/>	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	82.5	85
B-	Good	<input checked="" type="checkbox"/>	2.69999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	79.5	82
C+	Average	<input checked="" type="checkbox"/>	2.29999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	76.5	78
C	Average	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	72.5	75
C-	Average	<input checked="" type="checkbox"/>	1.69999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	69.5	72

The Grade Value column is based on assignment points possible, you can always determine the proper assignment score.

The score attributes (Exempt, Late, Collected, Turned in) are copied directly, and ScoreType=2 also indicates Exempt.

### Example

Given the following teacher score codes:



Code	Description	%	Numeric
PMx	Percent Score code	100	Max
P75-5	P75 custom 5	75	5
PM	Percent Min	50	Min
ee	ee	Ex	Ex

Assignments:

Name	Abrv	Category	Points Possible
Assignment 1	Assig...	Homework	10
Assignment 2	asmt 2	Project	10
Assignment 3	asmt3	Quiz	10
Assignment 4	asmt4.	Test	10
Assignment 5	Assig...	Homework	50

And assignment scores:

Assignment 1 04/13/2005 %	Assignment 2 04/27/2005 % x 2.00	Assignment 3 04/27/2005 LTR x 3.30	Assignment 4 04/27/2005 pts: 10	Assignment 5 04/27/2005 LTR
99%	88%	A	10	PMx
PM	87%	B	9	P...
Ex	86%	C	ee	PM
PMx	85%		7	A-
P75-5	ee	F	6	D

The following assignment scores were migrated for Assignment 1, 2, 3, 4, 5:

SCORE (4/13/2005)	SCORE (4/27/2005)	SCORE (4/27/2005)	SCORE (4/27/2005)	SCORE (4/27/2005)
99	88	A	10	A+
50	87	B	9	C
	86	C		F
100	85		7	A-
75		F	6	D

## Additional Notes

Asmt.	PTG Score	PowerTeacher Pro Score	Note
1	PM	50	Teacher code "PM" = 50%
1	PMx	100	Teacher code "PMx" = 100%
1	PM75-5	75	Teacher code "PM75-5" = 75%
2	ee	Exempt	Teacher code "ee" is an exempt code
4	ee	Exempt	Teacher code "ee" is an exempt code
5	PMx	A+	Teacher code "PMx" = 100% and that is A+ in the Grade Scale
5	PM75-5	C	Teacher code "PM75-5" = 75% and that is C in the Grade Scale
5	PM	F	Teacher code "PM" = 50% and that is F in the Grade Scale

## Assignment Standard Scores

Assignment standards scores are not as straightforward to convert when changes may have occurred between the original migration of the conversion scale to a grade scale.

Assignment standards scores are held in PTG with the following relevant fields:

Column Name	Description
Score	Numeric value (from min to max) of a Numeric grade scale, including decimals allowed, OR a percent value if this uses an Alpha grade scale.
ActualScoreEntered	The letter grade, numeric grade entered for this score, or teacher code entered in the application.
ScoreType	0 = normal, 1 = Teacher Code, 2 = Exempt Teacher code

If conversion scales change from numeric to alpha between the time the standards score is entered, and the migration, the percent might not be back calculated as it is done for assignments because standards scores are either a number or a percent based on the grade scale type. In contrast, for assignments, the value of the score column is always the total points the entered score earns. To update Assignment Standard grades for changed

conversion scales, a user would use the PTG Recalculate Final Scores feature for Standard Final Grades and check the box to Update Teacher Score Codes.

Since the grade scale for the standard is allowed to be changed, there is no guarantee it will be the same as the original conversion scale if, for example, a yearlong section that has S1 complete in PTG, is now being migrated to a PowerTeacher Pro section.

## **Migration of PTG Assignment Standards Grades**

The following explains the logic for how PTG assignment standards grades are migrated.

### **Grade scales are compatible**

The conversion scale (PTG) and Grade Scale (PowerTeacher Pro) are considered to be compatible if:

- Both scales are Numeric and have the same Min and Max values (Numeric scales with extras showing the Include Decimals label that have a null value for NumericDecimals are **NOT** compatible with numeric conversion scales)

OR

- Both scales are Alpha Numeric

### **ActualScoreEntered check with compatible scales**

If the scales are compatible and Alpha, if the ActualScoreEntered is found from the PTG score in the target grade scale, then that grade is used as the entered grade. The value of the grade is not considered in any way. If you have a conversion scale where 'x' means 50% and grade scale where 'x' means 60%, 'x' will be entered in the PowerTeacher Pro ActualScoreEntered field and it will act like a 60% in PowerTeacher Pro.

If the scales are compatible and Numeric, if the ActualScoreEntered of '1' as one of the Numeric labels (such as 1,2,3,4 in a 1.00 - 4.00 scale), then '1' is used in the PowerTeacher Pro ActualScoreEntered field.

### **Score value as a grade name for compatible scales**

If the score value is the result of a teacher code, a teacher code of 'PM' could give a numeric score of '5' as if they actually entered a '5'. The same logic described earlier is used after converting the numeric score of 5 to a literal '5'. If the scales are compatible, and the literal '5' is found in the PTG scale, and it is found in the PowerTeacher Pro scale, then that value is used in the in the PowerTeacher Pro ActualScoreEntered field.

This would work for a percent-based score as well where an '80' existed in the conversion scale as a value, and existed as a row in the grade scale. In the unlikely event of an 80 being defined explicitly in both scales, 80 would be used as the PowerTeacher Pro ActualScoreEntered field.

### **PTG alpha score value as a percent**

If the score value is the result of a teacher code, or label that is not in the target scale, or label that is no longer in the PTG conversion scale, and the PTG scale is Alpha (using percent), then an equivalent grade will be found in the PTG scale based on the percent cutoff in the PowerTeacher Pro scale. If found, the resulting grade as the PowerTeacher Pro actual score entered field. This will handle PowerTeacher Pro grade scales being either Numeric or Alpha.

### PTG numeric score and compatible PowerTeacher Pro scale

If the PTG score is numeric, the PowerTeacher Pro scale is numeric, and both have the same minimum and maximum values, then the numerical value of the score is used for the PowerTeacher Pro ActualScoreEntered field. It is rounded to the PowerTeacher Pro scale number of decimals.

### Example

The following is a conversion example with six standards and various combinations of conversion scale and grade scales associated to the standards.

#### The Standards:

Standard	Conversion Scale	Grade Scale
BJF	1-2 Standards Scale	1-2 Standards Scale
BJF.1	QA Numeric 0-10	ChadsNumeric
BJF.2	1-2 Standards Scale	EHS Default
J	ChadsStandarsScale	EHS Default
J3	ChadsNumeric	ChadsNumeric
J.1.1	ChadsNumeric	10.5

#### The Conversion Scales:

##### 1-2 Standards Scale

<b>Name:</b>	1-2 Standards Scale		
<b>Type:</b>	Alpha Scale		
			<b>New</b>
Grade/Label	Description	Cut-off	Grade Value
x	Proficient	80	80
xx	Partially Met	50	50
-	Not Met	0	0

## QA Numeric 0-10

**Translation values to and from OTHER scales only****Name:** QA Numeric 0-10**Type:** Numeric 0.00 - 10.00 scale\*

\*Calculations within this scale are based only on 0-10 values, there are no percentages needed.

To convert to and from **OTHER** scales, set the GradeValues and Cut-offs for each Number/Level. Additional Numbers/Levels can be added.

New

Number/Level	Description	Translation Values	
		Cut-off	Grade Value
10.00		100	100
9.00		90	95
8.00		80	85
7.00		70	75
6.00		60	65
5.00		50	55
4.00		40	45
3.00		30	35
2.00		20	25
1.00		10	15
0.00		0	5

## ChadsStandardsScale

**Name:** ChadsStandardsScale**Type:** Alpha Scale

New

Grade/Label	Description	Cut-off	Grade Value
A		90.678	100.11
B		80	85
C--		70	75
D		60	65
-		0	0
+		0	0
g		0	0

### ChadsNumeric

**Translation values to and from OTHER scales only**

**Name:** ChadsNumeric

**Type:** Numeric 1.00 - 4.00 scale\*

\*Calculations within this scale are based only on 1-4 values, there are no percentages needed.

To convert to and from **OTHER** scales, set the GradeValues and Cut-offs for each Number/Level. Additional Numbers/Levels can be added.

New

Number/Level	Description	Translation Values	
		Cut-off	Grade Value
4		92.2	100
3		80	87
2		66.5	73
1		0	60

### The Grade Scales:

1-2 Standards Scale (unchanged)

**Grade Scale**























Add Grade

Grades		Teacher Gradebook Values			Color Levels		Action
Grade *	Description	Teacher Scale	Cutoff % *	Grade Value *	Edit		
x	Proficient.HelloPlease take the ti	<input checked="" type="checkbox"/>	80	80	Light Green (4) ▼		
xx	Partially Met	<input checked="" type="checkbox"/>	50	50	Red (1) ▼		
-	Not Met	<input checked="" type="checkbox"/>	0	0	Red (1) ▼		

QA Numeric 0-10 (unchanged)

**Grade Scale**

[Add Grade](#)

Number		Teacher Gradebook Values in THIS Scale		Color Levels	Conversions to and from Other Scales ONLY		Action
Grade *	Description	Numeric Cutoff *	Numeric Value *	Edit	Cutoff % To Numeric *	% Value *	
10.00		9.5	10	Green (5) 	100	100	
9.00		8.5	9	Green (5) 	90	95	
8.00		7.5	8	Light Green (4) 	80	85	
7.00		6.5	7	Yellow (3) 	70	75	
6.00		5.5	6	Orange (2) 	60	65	
5.00		4.5	5	Red (1) 	50	55	
4.00		3.5	4	Red (1) 	40	45	
3.00		2.5	3	Red (1) 	30	35	
2.00		1.5	2	Red (1) 	20	25	
1.00		0.5	1	Red (1) 	10	15	
0.00		0	0	Red (1) 	0	5	

EHS Default (note B+ label changed to PM for testing teacher code matching, D+ changed to x)

**Grade Scale**

Grades		GPA and Credit Values				Teacher Gradebook Values		
Grade *	Description	Counts in GPA	Grade Points (GPA)	Added Value	Grad Credit	Teacher Scale	Cutoff % *	Grade Value *
A+	Superior	<input checked="" type="checkbox"/>	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	96.5	98
A	Superior	<input checked="" type="checkbox"/>	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	92.5	95
A-	Superior	<input checked="" type="checkbox"/>	3.699999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	89.5	92
PM	Good	<input checked="" type="checkbox"/>	3.299999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	86.5	88
B	Good	<input checked="" type="checkbox"/>	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	82.5	85
B-	Good	<input checked="" type="checkbox"/>	2.699999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	79.5	82
C+	Average	<input checked="" type="checkbox"/>	2.299999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	76.5	78
C	Average	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	72.5	75
C-	Average	<input checked="" type="checkbox"/>	1.699999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	69.5	72
x	Poor	<input checked="" type="checkbox"/>	1.299999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	66.5	68
D	Poor	<input checked="" type="checkbox"/>	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	62.5	65
D-	Poor	<input checked="" type="checkbox"/>	0.699999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	59.5	62
F	Failure	<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	0
INC	Incomplete	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0	0

ChadsNumeric (unchanged)

**Grade Scale** [Add Grade](#)

Number		Teacher Gradebook Values in THIS Scale		Color Levels	Conversions to and from Other Scales ONLY		Action
Grade *	Description	Numeric Cutoff *	Numeric Value *	Edit	Cutoff % To Numeric *	% Value *	
4		3.5	4	Green (5)	92.2	100	
3		2.5	3	Light Green (4)	80	87	
2		1.5	2	Orange (2)	66.5	73	
1		0	1	Red (1)	0	60	



## 10.5 (Numeric with extras .5 increments)

Grade Scale							
Number		GPA and Credit Values				Teacher Gradebook Values in THIS Scale	
Grade	Description	Counts in GPA	Grade Points (GPA)	Added Value	Grad Credit	Numeric Cutoff *	Numeric Value *
10		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9.75	10
9.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9.25	9.5
9		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8.75	9
8.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8.25	8.5
8		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7.75	8
7.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7.25	7.5
7		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6.75	7
6.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6.25	6.5
6		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5.75	6
5.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5.25	5.5
5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4.75	5
4.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4.25	4.5
4		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.75	4
3.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.25	3.5
3		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2.75	3
2.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2.25	2.5
2		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.75	2
1.5		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1.25	1.5
1		<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	1

### The PTG grades:

Assignment 1 04/13/2005 %	BJF Test Stand... 1-2 Standards Scale LTR	BJF.1 Test St... QA Numeric 0-10 NUM	BJF.2 Test St... 1-2 Standards... LTR	J - Juggling ChadsStandards... LTR	J.3 - Number... ChadsNumeric NUM	J.1.1 - Millsmes... ChadsNumeric NUM
99%	-	PM	x	A	4	4
PM	P75-5	9	PMx	B	3.25	3.25
Ex	PMx	7.49	xx	P75-5	2.89	2.21
PMx	x	7.51	-	C--	PM	1
P75-5	PM	PMx	PM	+	PMx	1

### The converted PowerTeacher Pro scores:

SCORE (4/13/2005)	BJF	BJF.1	BJF.2	J	J.1.1	J.3
99	-	1	x	A	10	4
50	xx	4	A+	B	9	3.25
	x	2	F	C	8	2.89
100	x	3	F	C	6.5	1
75	xx	4	F	F	6.5	4

### Notes on converted values:

BJF Standard

Conversion Scale: 1-2 Standard Scale

Grade Scale: 1-2 Standard Scale

PTG Score	PowerTeacher Pro Score	Note
BJF	1-2 Standards Scale	1-2 Standards Scale
-	-	Direct translation of found label
P75-5	xx	P75-5 holds value 75%. 75 translates to xx (cutoff 50%) in the scale

PTG Score	PowerTeacher Pro Score	Note
PMx	x	PMx holds a value of 100%. 100 translates to x in the scale
x	x	Direct translation of found label

## BJF.1 Standard

Conversion Scale: QA Numeric 0-10

Grade Scale: ChadsNumeric

These scales are NOT equivalent, so percent values will be used for conversion.

PTG Score	PowerTeacher Pro Score	Note
PM	1	PM is a 'min' numeric score code and will hold 0 in the PTG scale. This translates to the lowest value 1 in the grade scale.
9	4	9 is equivalent to a 95% in the conversion scale. This translates to a 4 in the grade scale since it meets the 92.2% cutoff.
7.49	2	7.49 interpolates to 79.9% in the conversion scale (using the Grade Value of 7 = 75% and 8 = 85%). This 79.9% translates to a 2 in the grade scale since it meets the 66.5% cutoff for the 2, but just misses the 80% cutoff for a 3.
7.51	3	7.51 interpolates to 80.1% in the conversion scale (using the Grade Value of 7 = 75% and 8 = 85%). This 80.1% translates to a 3 in the grade scale since it just exceeds the 80% cutoff for a 3.
PMx	4	PMx is a 'max' numeric score code and will give 10 in the PTG scale. This is worth 100 in the conversion scale. 100 translates to 4 in the grade scale.

## BJF.2 Standard

Conversion Scale: 1-2 Standards Scale

Grade Scale: EHS Default

PTG Score	PowerTeacher Pro Score	Note
x	x	Direct label translation. Value x exists in EHS Default
PMx	A+	PMx holds a value of 100%. 100 translates to A+ in the grade scale
xx	F	'xx' holds value 50% in the conversion scale. 50% translates to an F in the grade scale.
-	F	'-' holds value 0% in the conversion scale. 0% translates to an F in the grade scale.
PM	F	PM holds value 50% in the conversion scale. 50% translates to an F in the grade scale. Note: PM exists in the target grade scale, but teacher codes are NOT considered for direct label translation.

## J Standard

Conversion Scale: ChadsStandardScale

Grade Scale: EHS Default

PTG Score	PowerTeacher Pro Score	Note
A	A	Direct label translation. A exists in EHS Default
B	B	Direct label translation. B exists in EHS Default
P75-5	C	P75-5 holds value 75% in the conversion scale. 75% translates to a C in the grade scale by meeting the 72.5% cutoff.
C--	C	C-- holds value 75% in the conversion scale. 75% translates to a C in the grade scale by meeting the 72.5% cutoff.
+	F	'+' holds value 0% in the conversion scale. 0% translates to an F in the grade scale.

## J.1.1 Standard

Conversion Scale: ChadsNumeric

Grade Scale: 10.5

These scales are NOT equivalent, so percent values will be used for conversions.

PTG Score	PowerTeacher Pro Score	Note
4	10	Value 4 has a percent value of 100% in the conversion scale. This translates to a 10 in the grade scale since it meets the 96.7% cutoff.
3.25	9	3.23 interpolates to a 90.25% (using 3 = 87% and 4 = 100%). This 90.25% translates to a 9 in the grade scale since it meets the 86.3% cutoff, and is misses the 91.8% cutoff to achieve a 9.5 in the grade scale.
2.21	8	2.21 interpolates to a 75.94% (using 3 = 87% and 2 = 73%). This 75.94% translates to an 8 in the grade scale since it meets the 75.3% cutoff, and is misses the 80.8% cutoff to achieve an 8.5 in the grade scale.
1	6.5	1 has a percent value of 60% in the conversion scale. This translates to a 6.5 in the grade scale since it meets the 58.8% cutoff.
1	6.5	1 has a percent value of 60% in the conversion scale. This translates to a 6.5 in the grade scale since it meets the 58.8% cutoff.

## J.3 Standard

Conversion Scale: ChadsNumeric

Grade Scale: ChadsNumeric

These numeric grade scales are compatible with same min/max.

PTG Score	PowerTeacher Pro Score	Note
4	4	Compatible Numeric Scales convert using Direct Translation of the Score value.
3.25	3.25	Compatible Numeric Scales convert using Direct Translation of the Score value.
2.89	2.89	Compatible Numeric Scales convert using Direct Translation of the Score value.
PM	1	PM is a 'min' numeric score code and will give 1 in the PTG scale. This translates directly to 1 in the compatible grade scale
PMx	4	PMs is a 'max' numeric score code and will give 4 in the PTG scale. This translates directly to 4 in the compatible grade scale

### Unhandled Cases of Invalid Standards Data

As discussed previously, assignment standards scores in PTG have a numeric score value that is either a number (such as 2.03 for a numeric scale) or a percent (such as 80) for alpha scales.

If a score has been recorded and the scale definition changes, the score may be invalid. In most cases, invalid scores appear red in PTG, but not all the time. These issues are rare because it is not usually the case that grade scales changes after the beginning of the school year.

## Troubleshooting Exceptions

### Two Teachers Migrate a Class Simultaneously

In the case of two teachers (such as a lead teacher and co-teacher) migrating a class at the same time, you may see a screen like this in one of the teacher's migration status screen:


STATUS	CLASS	ASSIGNMENTS
!	3(A-B) AP Math org.hibernate.exception.ConstraintViolationException: could not execute statement	40

One of the two migrations will fail because PowerTeacher Pro is attempting to create a duplicate assignment. This will result in an exception in one of the migration windows. However, the migration will complete in the second window without issues. Reloading the PowerTeacher Pro page should detect the migration is not needed for that class and allow you to proceed to the migrated sections in PowerTeacher Pro.

### Classes That Will Not Migrate


The primary reason that a class will not migrate is where a Standard related to a standard score has a numeric conversion scale and the "Default" grade scale. In this instance you will see an error message like:


Migration Status
Summary

 Click the Migrate button. This will initiate the migration process for the current year, and includes the following:

- All PowerTeacher Gradebook assignments and assignment scores are copied.
- All PowerTeacher Gradebook categories are copied.
- Applicable PowerTeacher Gradebook preferences are copied.

PowerTeacher Gradebook is still accessible in a read-only mode. After migration, verify that scores and grades are correct. Grade calculations may need to be configured in Settings.

 An error occurred while migrating data for one or more classes. Contact your system administrator.

STATUS	CLASS	ASSIGNMENTS
	3(A-B) AP Math  <div style="border: 1px solid #fff9c4; padding: 5px; background-color: #fff9c4; margin-top: 5px;">             Grade Scales have not been set up properly. Contact your PowerSchool Administrator. The following standards are affected: B.JF.2, J.3           </div>	106

In the rare case that a class will not migrate for unknown reasons, there may be issues seen in the PowerSchool system logs, and messages on the screen that will assist in understanding why the failure is occurring.

An administrator may have to assign a temporary lead teacher and remove co-teachers for the problematic class to allow PowerTeacher Pro to load for the teacher's classes that have migrated successfully.

This will allow an administrator to analyze the data and search for a solution while allowing the teacher to work with the classes that migrated properly.

This document will be updated should any case arise that requires further action by an administrator to resolve the issue.