TN Ed-Fi Suite 3 API v6.2 Data Standard v4.0: Grades

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Summary

This educational entity represents an overall score or assessment tied to a course over a period of time (i.e., the grading period). Student grades are usually a compilation of marks and other scores.

Object Triggering

Action	Business Rule(s)

Post	When a grade is posted to a Grading Task that is mapped to an Ed-Fi Grade Type, or a grade is posted to a standard tied to a Rubric that is mapped to an Ed-Fi Grade Type
	
	• Do not report if the Course is marked as Inactive
	• Do not send records if the School or Calendar Exclude check box is checked
	• Check to see if the student has a Student Section Association in the Ed-FI identity Mapping table before sending.
	    ◦ If the Student Section Association exists, continue with processing the record to Ed-Fi
	    ◦ If the Student Section Association does not exist, the record will go to the Error Log with a message stating: Student (First Name Last Name, Ed-Fi ID) does not have a Student Section Association record for the course (Course Number Course Name). This record must exist before Grades can be sent.
	• The Grading Task must be mapped to a Grading Period to report.
	• Report to the Grading Period that overlaps the Term the grade is Posted to.
	• The end date of the Grading Period must be on or after the Term Start Date and on or before the Term End Date based on the Term the grade is posted to.
	• If the Grade is aligned to more than 1 Grading Period that overlaps the Term, the grade will report to all eligible Grading Periods

Put	When a grade is updated on a Grading Task that is mapped to an Ed-Fi Grade Type
Delete /Post	N/A

Delete	When a grade is deleted from a Grading Task that is mapped to an Ed-Fi Grade Type
	When Grade Type Descriptor is no longer mapped and a resync is performed
	When a Student Section Association no longer exists

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Grading Periods
- Student Section Association

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix

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Object Data Elements

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been Localized using DOE rules, or the element has been added by a DOE as an Extended Element.

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Rules (Y/N/EXT)
1	**gradeTypeDescriptor** (string)	*The type of grade (e.g., Exam, Final, Grading Period, Progress Report),* 1. Reports the Ed-Fi Code from mapping for the Grading Task or Rubric 2. If the grading task or Rubric is not mapped, do not report	M	N/A	N/A	Y
2	**gradingPeriodReference** (reference)	*A reference to the related GradingPeriod resource* 1. Reports the fields that are part of the Natural Key for the Grading Period the Grading Task or Standard is aligned to a. Only report to Grading Periods that are aligned to the Term Schedule the grade was posted in	M	N/A	N/A	Y

3	**studentSectionAssociationReference** *(reference)*	*A reference to the related Student Section Association resource* 1. Reports the fields that are part of the Natural Key for the Student Section Association resource	M	N/A	N/A	Y

4	letterGradeEarned
	
	 (string)
		A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.,
		
		 1. Reports only for grades posted from a grading task
		 2. Determine if the posted score is an integer or not:
		     a. If the posted value is not an Integer, then report the posted score here
		     b. If the posted value is an Integer, then report in the Numeric Grade Earned field below.
			O	Grading Task	gradingscore. score	Y

5	numericGradeEarned
	
	 (number)
		A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.,
		
		 1. Reports only for grades posted from a grading task
		 2. Determine if the posted score is an integer or not:
		     a. If the posted value is an Integer, then report the posted score here
		     b. If the posted value is not an Integer, then report in Letter Grade Earned field above.
			O	Grading Task	gradingscore. score	Y

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6	learningStandardGrades	1. This field is optional, does not report	O	N/A	N/A	Y
7	performanceBaseConversionDescriptor	1. This field is optional, does not report	O	N/A	N/A	Y
8	diagnosticStatement	1. This field is optional, does not report	O	N/A	N/A	Y
9	currentGradeAsOfDate	1. This data element is optional and does not report.	O	N/A	N/A	Y
10	currentGradeIndicator	1. This data element is optional and does not report.	O	N/A	N/A	Y

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