

# **DE Ed-Fi Suite v3.6.2, 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 Logic

Action	Business Rule(s)
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<p>Post</p>	<p>When a grade is in progress or posted to a Grading Task or Rubric that is mapped to an Ed-Fi Grade Type.</p> <ul style="list-style-type: none"> <li>• Standards will report to Ed-Fi if they are contained in a Standard Group that is mapped in Learning Standards</li> <li>• The Grading Task must be mapped to a Grading Period to report.</li> <li>• Check to see if the student has a Student Section Association in the Ed-Fi identity Mapping table before sending.             <ul style="list-style-type: none"> <li>◦ 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.</li> </ul> </li> <li>• Do not report a record if the any of the following exclusions are present:             <ul style="list-style-type: none"> <li>◦ Enrollment State Exclude</li> <li>◦ Enrollment Grade Level Exclude</li> <li>◦ Calendar Exclude</li> <li>◦ School Exclude</li> <li>◦ Course State Exclude</li> <li>◦ Course State Code is NULL</li> </ul> </li> </ul>
<p>Delete /Post Put</p>	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> <li>• When a grade is updated on a Grading Task or Standard that is mapped to an Ed-Fi Grade Type</li> </ul>
<p>Delete</p>	<ul style="list-style-type: none"> <li>• When the Grading Task or Standard is deleted.</li> <li>• When Grade Type Descriptor is no longer mapped and a resync is performed.</li> <li>• When a Student Section Association no longer exists.</li> </ul>

## Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Grading Periods
  - Student Section Associations
- 

## 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 Logic

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.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	<b>gradeTypeDescriptor</b> ( <i>string</i> )	<p><i>The type of grade reported (e.g., exam, final, grading period).</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for the Grading Task.</p>	M	Grading & Standards	GradingScore.taskID	✓
2	<b>gradingPeriodReference</b> ( <i>reference</i> )	<p><i>A reference to the Grading Periods resource associated with the Grade being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Grading Periods resource.</p>	M	N/A	N/A	✓
3	<b>studentSectionAssociationReference</b> ( <i>reference</i> )	<p><i>A reference to the Student Section Associations resource associated with the Grade being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Student Section Associations resource.</p>	M	N/A	N/A	✓

4	currentGradeIndicator (boolean)	<p>An indicator that the posted grade is an interim grade for the grading period and not the final grade.</p> <hr/> <ul style="list-style-type: none"> <li>• Reports <b>True</b> if the grade being reported is In Progress.</li> <li>• Reports <b>False</b> if the grade being reported is Posted.</li> </ul>	M	N/A	N/A	
5	letterGradeEarned (string)	<p>A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.</p> <hr/> <p>Reports the <b>Grade</b> if it is <b>NOT</b> a number.</p>	C	Grades	GradingScore.score	
6	numericGradeEarned (number)	<p>A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.</p> <hr/> <p>Reports the <b>Grade</b> if it is a number.</p>	C	Grades	GradingScore.score	
7	currentGradeAsOfDate	This is optional, does not report.	O	N/A	N/A	N/A
8	diagnosticStatement	This is optional, does not report.	O	N/A	N/A	N/A
9	learningStandardGrades	This is optional, does not report.	O	N/A	N/A	N/A
10	performanceBaseConversionDescriptor	This is optional, does not report.	O	N/A	N/A	N/A

## Appendix