

# Grades (Nebraska v3.5)

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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

This table describes logic for triggering syncing of this object.

| Action | Trigger  |
|--------|--|
| Post   | <p>When a grade is posted to a Grading Task that is mapped to an Ed-Fi Grade Type and marked as State Reported.</p> <ul style="list-style-type: none"> <li>Standards do not report to Ed-Fi.</li> <li>Do not report if the Course is marked as Inactive or State Excluded.</li> <li>Do not send records if the School or Calendar Exclude check box is checked.</li> <li>Check to see if the student has a Student Section Association in the Ed-Fi identity Mapping table before sending.</li> <li>If the Student Section Association exists, continue with processing the record to Ed-Fi.</li> <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> <li>Do not send if the student's enrollment is marked as No Show or State Exclude</li> </ul> |
| Put    | When a grade is updated on a Grading Task that is mapped to an Ed-Fi Grade Type.   |
| Delete | When a grade is deleted from a Grading Task that is mapped to an Ed-Fi Grade Type.   |
| Delete | When the Student School Association record is deleted for the school in which the grades are associated.   |
| Delete | When any field that is part of the Natural Key is changed.   |

## School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

| Action | Business Rule  |
|--------|--|
| None   | If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.   |
| Delete | If a resource is toggled to 'OFF' after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done. |
| Resync | If a record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.                                       |
| Resync | If a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.                       |
| Resync | If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.   |

## Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

| Action      | Trigger  |
|-------------|--|
| Delete/Post | Natural Key change: If the Natural Key of the Grading Period Reference or Student Section Association changes, a delete/post will occur. |
| Delete/Post | If the Grade Type Descriptor is changed or removed.  |

## Scope Year Logic

This table describes scope year logic of this object.

| Logic  |
|--|
| Grades will post to the scope year the course's calendar is aligned to. <ul style="list-style-type: none"> <li>Data will only send for the years that have valid configuration.</li> </ul> |

## Resource Preferences

This table describes the Resource Preferences of this object.

| Data Element Label | Mapping Needed         |
|--------------------|------------------------|
| Grading Tasks      | Grade Type Descriptors |

## Event Queue Detail

This table describes the Event Queue Detail of this object.

| Campus Table       | Ed-Fi Action    | Fields  |
|--------------------|-----------------|---|
| gradingscore.score | Post/Put/Delete | The primary table used for sending data for this resource |
| gradingTask        | Post/Put/Delete | The primary table used for sending data for this resource |

## Object Data Elements

This table describes data elements sent within the Grades resource.

| Data Element Label | Business Requirement                   | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|--------------------|--|----------------|-----------|----------------------|----------------|
| id                 | The unique identifier of the resource. |                | M         |                      |                |

| Data Element Label                        | Business Requirement  | Business Rules   | M, C or O | Data Source GUI Path               | Database Field |
|---|---|--|-----------|------------------------------------|----------------|
| <b>gradeTypeDescriptor</b>                | The type of grade (e.g., Exam, Final, Grading Period, Progress Report),                                     | <ol style="list-style-type: none"> <li>1. Reports the Ed-Fi Code from mapping for the Grading Task.</li> <li>2. If the grading task is not mapped, do not report.</li> </ol> | M         | Grading & Standards> Grading Tasks | gradingTask    |
| <b>gradingPeriodReference</b>             | A reference to the related GradingPeriod resource.  | Reports the fields that are part of the Natural Key for the Grading Periods resource.  | M         |                                    |                |
| <b>studentSectionAssociationReference</b> | A reference to the related Student Section Association resource.  | Reports the fields that are part of the Natural Key for the Student Section Association resource.  | M         |                                    |                |
| diagnosticStatement                       | A statement provided by the teacher that provides information in addition to the grade or assessment score. | This field is optional, does not report.   | O         |                                    |                |

| Data Element Label | Business Requirement  | Business Rules  | M, C or O | Data Source GUI Path                               | Database Field    |
|--------------------|---|---|-----------|--|-------------------|
| letterGradeEarned  | A final or interim (grading period) indicator of student performance in a class as submitted by the instructor. | <ol style="list-style-type: none"> <li>1. When a Grading Task is mapped to an Ed-Fi code of "Final: Final" and the student is assigned a grade mapped to a grading task with Final Grade, then report the grade regardless of roster end date.</li> <li>2. If no grade is mapped to final grade, do not report.</li> </ol> <p><b>Note:</b> Send a final grade when a student drops from a section in the first term of a section that spans multiple terms and a grade has been assigned after the student has dropped.</p> | C         | Grading & Standards> Score Groups & Rubrics> Score | gradingscore.scor |

| Data Element Label                  | Business Requirement  | Business Rules  | M, C or O | Data Source GUI Path                               | Database Field    |
|-------------------------------------|---|---|-----------|--|-------------------|
| numericGradeEarned                  | A final or interim (grading period) indicator of student performance in a class as submitted by the instructor. | <ol style="list-style-type: none"> <li>1. When a Grading Task is mapped to an Ed-Fi code of "Final: Final" and the student is assigned a grade mapped to a grading task with Final Grade, then report the grade regardless of roster end date.</li> <li>2. If no grade is mapped to final grade, do not report.</li> </ol> <p><b>Note:</b> Send a final grade when a student drops from a section in the first term of a section that spans multiple terms and a grade has been assigned after the student has dropped.</p> | C         | Grading & Standards> Score Groups & Rubrics> Score | gradingscore.scor |
| performanceBaseConversionDescriptor | The performance base conversion assessed for the student.   | This field is optional, does not report.  | O         |  |                   |

## Type/Descriptor

▶ [Click here to expand...](#)

### Grade Type Descriptors

| Ed-Fi Short Description | Ed-Fi Description |
|-------------------------|-------------------|
| Conduct                 | Conduct           |
| Exam                    | Exam              |
| Final                   | Final             |
| Grading Period          | Grading Period    |
| Mid-Term Grade          | Mid-Term Grade    |
| Progress Report         | Progress Report   |
| Semester                | Semester          |