

# Grades (Kansas v3.6)

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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>• Does not send when the Course is marked Inactive (not marked Active) or State Excluded.</li> <li>• Does not send when the Calendar Exclude checkbox is marked.</li> <li>• Does not send when the student's Enrollment is in a School marked as Exclude.</li> <li>• Does not send when the student's Enrollment is marked as No Show or State Excluded.</li> <li>• Checks to see when the student has a Student Section Association in the Ed-Fi identity Mapping table before sending. <ul style="list-style-type: none"> <li>◦ When the Student Section Association exists, continues with processing the record to Ed-Fi.</li> <li>◦ When the Student Section Association does not exist, the record goes 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>• The Grading Task must be mapped to a Grading Period to report. <ul style="list-style-type: none"> <li>◦ Reports to the Grading Period that overlaps the Term to which the grade is Posted.</li> <li>◦ 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 to which the grade is posted.</li> <li>◦ When the Grade is aligned to more than one Grading Period that overlaps the Term, the grade reports to all eligible Grading Periods.</li> </ul> </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 Section Association record is deleted for the school in which the grades are associated.
Delete/Insert	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	When a resource is toggled to OFF after data has sent, all sent data remains in the ODS but no new data sends.
Delete	When a resource is toggled to OFF after data has sent and an action is performed that would trigger a delete, that data remains in the ODS until a resync is done.

Action	Business Rule
Resync	When a record is in the Ed-Fi Identity Mapping table and not in the ODS, it is deleted from the Ed-Fi Identity Mapping table.
Resync	When a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it is deleted from the ODS.
Resync	When a mapping is changed in Resource Preferences, a resync is needed to reflect the changes.
Resync	When the Rubric is changed after mapping, a resync is needed 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: When the Natural Key of the Grading Period Reference or Student Section Association changes, a delete/post occurs.
Delete/Post	When the Grade Type Descriptor is changed or removed.

## Scope Year Logic

This table describes scope year logic of this object.

Logic
Grades post to the scope year to which the course's calendar is aligned. <ul style="list-style-type: none"> <li>• Data only sends 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

## Identity Mapping Object Key

campusObjectType	Object Key Data Source
GradingScore - Section - Term - EdFiGradingPeriod	scoreID - sectionID - termID - gradingPeriodID

## 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.

Campus Table	Ed-Fi Action	Fields
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 and Rules	Mandatory, Conditional or Optional	Location
id	The unique identifier of the resource.	M	
gradeTypeDescriptor	<p>The type of grade (e.g., Exam, Final, Grading Period, Progress Report).</p> <ul style="list-style-type: none"> <li>Reports the Ed-Fi Code from mapping for the Grading Task or Rubric.</li> <li>When the grading task or Rubric is not mapped, does not report.</li> </ul>	M	Grading & Standards > Grading Tasks gradingTask
gradingPeriodReference	<p>A reference to the related GradingPeriod resource.</p> <ul style="list-style-type: none"> <li>Reports the fields that are part of the Natural Key for the Grading Period to which the Grading Task or Standard is aligned:           <ul style="list-style-type: none"> <li>Only reports to Grading Periods that are aligned to the Term Schedule in which the grade was posted.</li> </ul> </li> </ul>	M	
studentSectionAssociationReference	<p>A reference to the related Student Section Association resource.</p> <p>Reports the fields that are part of the Natural Key for the Student Section Association resource.</p>	M	
currentGradeAsOfDate	<p>As-Of date for a grade posted as of the current grade.</p> <p>This field is optional and does not report.</p>	O	
currentGradeIndicator	<p>An indicator that the posted grade is an interim grade for the grading period and not the final grade.</p> <p>This field is optional and does not report.</p>	O	
diagnosticStatement	<p>A statement provided by the teacher that provides information in addition to the grade or assessment score.</p> <p>This field is optional, does not report.</p>	O	

Data Element Label	Business Requirement and Rules	Mandatory, Conditional or Optional	Location
letterGradeEarned	<p>A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.</p> <p>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, reports the grade regardless of roster end date.</p> <p>When no grade is mapped to final grade, do not report.</p> <p><b>Note:</b> Sends 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 Letter Grade gradingscore.score
numericGradeEarned	<p>A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.</p> <p>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, reports the grade regardless of roster end date.</p> <p>When no grade is mapped to final grade, do not report.</p> <p><b>Note:</b> Sends 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 Numeric Grade gradingscore.score
performanceBase ConversionDescriptor	The performance base conversion assessed for the student.	O	

Data Element Label	Business Requirement and Rules	Mandatory, Conditional or Optional	Location
learningStandardGrades	<p>An unordered collection of gradeLearningStandardGrades. A collection of learning standards associated with the grade.</p> <p>Reports an item for each grading score that meets the following criteria:</p> <ol style="list-style-type: none"> <li>1. Grading score is associated to a learningStandard.</li> <li>2. Grading score is associated to this natural key (same person, section, termDescriptor, gradeTypeDescriptor, gradingPeriodDescriptor, and gradingPeriod sequence).</li> </ol>	O	Scheduling > Course > Standards
collegeCreditEarned	<p>Number of college credits earned for dual credit courses and concurrent enrollments.</p> <p>When the College/Career Type is one of the following, the College Credits Earned value reports:</p> <ul style="list-style-type: none"> <li>• C - CTE Approved Program/ College Credit</li> <li>• D - Dual Credit</li> <li>• L - CTE not Funded in Approved Program/College Credit</li> <li>• R - CTE Dual Credit NOT Approved Program or Pathway</li> </ul> <p>Otherwise, does not report.</p>	C	<p>Section Information &gt; Custom Data Fields &gt; College/Career Type</p> <p>Section Information &gt; Custom Data Fields &gt; College Credits Earned</p> <p>Course.collegeCredits</p>
firstInstructionalDay	<p>The first day of migrant student instruction or services for the current term.</p> <p>When the student has a Migrant record overlapping the current configuration year, the first instructional date reports based on this logic:</p> <ol style="list-style-type: none"> <li>1. Determine the current term based on the current date. <ul style="list-style-type: none"> <li>◦ When the Roster Start Date is populated, that date is used.</li> <li>◦ Otherwise, use the Enrollment Start Date.</li> </ul> </li> <li>2. Compare this Date to the first day of the current term. <ul style="list-style-type: none"> <li>◦ When it is prior to the first day of the current term, report the Start Date of the current term instead.</li> <li>◦ Otherwise, reports the Date.</li> </ul> </li> <li>3. Otherwise, does not report.</li> </ol>	C	<p>Student Information &gt; Program Participation &gt; Migrant &gt; Migrant Indicator</p> <p>Student Information&gt; General&gt; Enrollments&gt; Start Date</p> <p>System Administration &gt; Calendar &gt; Calendar &gt; Terms &gt; Start Date</p>

Data Element Label	Business Requirement and Rules	Mandatory, Conditional or Optional	Location
instructionalMinutesCompleted	<p>The number of minutes completed by a migrant student for each course upon exit.</p> <p>When the student has a Migrant record overlapping the current configuration year and the student has exited the course early and been assigned a letter grade, the total number of instructional minutes completed for the student reports from the first instruction date to the last instruction date, minus any absences.</p> <p>Otherwise, does not report.</p>	C	<p>Student Information &gt; Program Participation &gt; Migrant &gt; Migrant Indicator</p> <p>Grading and standards &gt; Score Groups &amp; Rubrics</p>
lastInstructionalDate	<p>The last day of migrant student instruction for the current term.</p> <p>When the student has a Migrant record overlapping the current configuration year and when the Course Status is '01', '02' or '04', the last instructional date based on this logic reports:</p> <ol style="list-style-type: none"> <li>1. Determine the current term based on the current date <ul style="list-style-type: none"> <li>o When the Enrollment End Date and Roster End Date are both populated, use whichever date is earlier.</li> <li>o Otherwise, use the date that is populated.</li> </ul> </li> <li>2. When the compare date is after the last day of the current term, reports the End Date of the current term.</li> <li>3. When the compare date is before the last day of the current term, reports the compare Date.</li> </ol>	C	<p>Student Information &gt; Program Participation &gt; Migrant &gt; Migrant Indicator</p> <p>Student Information &gt; General &gt; Enrollments &gt; End Date</p> <p>System Administration &gt; Calendar &gt; Calendar &gt; Terms &gt; End Date</p> <p>Student Information &gt; General &gt; Walk In Scheduler &gt; Roster End Date</p> <p>Grading and standards &gt; Score groups &amp; Rubrics</p>

Data Element Label	Business Requirement and Rules	Mandatory, Conditional or Optional	Location
workBasedLearningDescriptor	<p>This field indicates a Work-based Learning course.</p> <p>When a Work-Based Learning value is selected on the Course associated with the Section being reported, the mapped Ed-Fi code value reports.</p> <p>Otherwise, when the Work-Based Learning field is blank or not mapped to an Ed-Fi Code, this field reports as null.</p>	O	Scheduling > Courses > Work-based Learning

## Arrays

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Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
performanceBaseConversionDescriptor	<p>A performance level that describes the student proficiency.</p> <ul style="list-style-type: none"> <li>Reports the Ed-Fi Code from mapping for the Rubric List Item.</li> <li>When not mapped, reports null.</li> </ul>	O	Grading & Standards > Score Groups & Rubric
letterGradeEarned	<p>A final or interim (grading period) indicator of student performance for a learning standard as submitted by the instructor.</p> <p>Determine whether the posted score is an integer or not:</p> <ul style="list-style-type: none"> <li>When the posted value is not an Integer, reports the posted score here.</li> <li>When the posted value is an Integer, reports in the Numeric Grade Earned field below.</li> </ul>	O	Grading & Standards > Score Groups & Rubrics > Score

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
numericGradeEarned	<p>A final or interim (grading period) indicator of student performance for a learning standard as submitted by the instructor.</p> <p>Determine whether the posted score is an integer or not:</p> <ul style="list-style-type: none"> <li>When the posted value is an Integer, reports the posted score here.</li> <li>When the posted value is not an Integer, reports in Letter Grade Earned field above.</li> </ul>	O	
<b>learningStandardReference</b>	<p>The identifier for the specific learning standard (e.g., 111.15.3.1.A).</p> <p>Reports learningStandardID</p>	M	

## Type/Descriptor

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### Grade Type Descriptor

Code Value	Description	Namespace	Short Description
Final	Final	uri://ed-fi.org/GradeTypeDescriptor	Final
Semester	Semester	uri://ed-fi.org/GradeTypeDescriptor	Semester
Exam	Exam	uri://ed-fi.org/GradeTypeDescriptor	Exam
Grading Period	Grading Period	uri://ed-fi.org/GradeTypeDescriptor	Grading Period

### Grading Period Descriptor

Code Value	Description	Namespace	Short Description
First Nine Weeks	First Nine Weeks	uri://ed-fi.org/GradingPeriodDescriptor	First Nine Weeks
First Semester	First Semester	uri://ed-fi.org/GradingPeriodDescriptor	First Semester
First Trimester	First Trimester	uri://ed-fi.org/GradingPeriodDescriptor	First Trimester
Fourth Nine Weeks	Fourth Nine Weeks	uri://ed-fi.org/GradingPeriodDescriptor	Fourth Nine Weeks
Second Nine Weeks	Second Nine Weeks	uri://ed-fi.org/GradingPeriodDescriptor	Second Nine Weeks
Second Semester	Second Semester	uri://ed-fi.org/GradingPeriodDescriptor	Second Semester
Second Trimester	Second Trimester	uri://ed-fi.org/GradingPeriodDescriptor	Second Trimester

<b>Code Value</b>	<b>Description</b>	<b>Namespace</b>	<b>Short Description</b>
Summer Semester	Summer Semester	uri://ed-fi.org/GradingPeriodDescriptor	Summer Semester
Third Nine Weeks	Third Nine Weeks	uri://ed-fi.org/GradingPeriodDescriptor	Third Nine Weeks
Third Trimester	Third Trimester	uri://ed-fi.org/GradingPeriodDescriptor	Third Trimester

### Work-Based Learning Descriptor

<b>Code Value</b>	<b>Description</b>	<b>Namespace</b>	<b>Short Description</b>
02	Internship/placement (business/industry/community)	uri://ksde.org/WorkbasedLearningDescriptor	Internship/placement (business/industry/community)
03	Youth registered apprenticeship	uri://ksde.org/WorkbasedLearningDescriptor	Youth registered apprenticeship
04	Simulated work-based experience (school district)	uri://ksde.org/WorkbasedLearningDescriptor	Simulated work-based experience (school district)
05	Entrepreneurship/ownership	uri://ksde.org/WorkbasedLearningDescriptor	Entrepreneurship/ownership
06	Service learning	uri://ksde.org/WorkbasedLearningDescriptor	Service learning