

# Grading Periods (Missouri 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 new Grading Period is created and saved in Resource Preferences and a resync is completed.</p> <p>Do not send if the School is marked as Exclude.</p> <p>Do not send if the Calendar is marked as Exclude.</p> <p>Do not send if there are no days for that school.</p>
Put	<p>When the Grading Period Start or End Date is updated and saved and a resync is completed.</p> <p>When the Instructional checkbox is checked or unchecked, the totalInstructionalDays field will update with the correct number of instructional days.</p> <p>When the Period Sequence is changed.</p>
Delete	<p>When the Grading Period is removed and saved in Resource Preferences and a resync is completed.</p> <p>When the last day record is deleted from the days table.</p>
Delete/Post	<p>When the Grading Period's Grading Period Descriptor or Sequence is edited and saved in the Resource Preferences and a resync is completed.</p>

## 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.
Resync	When doing a resync, look to make sure the Grading Task is still mapped in the Grades Resource Preferences prior to sending.

## 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	If the Natural Key changes: If the School Number/Ed-Fi School Number changes, a delete/post will occur with the cascading deletes from the School ID Change triggers.
Delete/Post	If the Grading Period Descriptor or Sequence changes and a resync is completed.
Delete/Post	If the natural key changes or the record is deleted, the Sessions Grading Periods reference will be updated.
Delete/Post	If the natural key of Grading Periods changes, all existing dependent data will be deleted or moved to the correct Grading Period. If a grade has not been posted yet and a Grading Period changes, a resync on the Grades resource will need to be completed.
Dependent Resources	Sessions Reference, Grades

## Scope Year Logic

This table describes scope year logic of this object.

Logic
Reports the grading periods in the configured year they are aligned to. <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
Schools	Grading Period Detail

## Identity Mapping Object Key

campusObjectType	Object Key Data Source
EdFiGradingPeriod	edFiGradingPeriodID

## Event Queue Detail

This table describes the Event Queue Detail of this object.

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

## Object Data Elements

This table describes data elements sent within the Grading Periods resource.

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

Data Element Label	Business Requirement	M, C or O	Data Source GUI Path Database Field
<b>gradingPeriodDescriptor</b>	<p>The name of the grading period.</p> <p>Report the code value from the Grading Period Name selected.</p>	M	<p>System Administration&gt;Ed-Fi &gt; Configuration&gt; Resource Preferences&gt; Grading Periods&gt; Grading Period Descriptor</p> <p>edfigradingperiod.name</p>
<b>periodSequence</b>	<p>The sequence of the grading period.</p> <ol style="list-style-type: none"> <li>1. Report the period sequence for the Grading Period being reported.</li> <li>2. The sequence will be auto-generated based on an assigned value. This value can be overwritten if necessary               <ol style="list-style-type: none"> <li>1. The sequence can be changed in the individual record as long it is unique to the Grading Period Descriptor and School combination.</li> <li>2. Two Grading Periods in the same school can have the same sequence as long as the Grading Period Descriptor is not the same.</li> <li>3. Two Grading Periods in the same school can have the same Grading Period Descriptor as long</li> </ol> </li> </ol>	M	<p>System Administration&gt;Ed-Fi &gt; Configuration&gt; Resource Preferences&gt; Grading Periods&gt; Grading Period Sequence</p> <p>edfigradingperiod.sequence</p>

Data Element Label	Business Requirement as the Sequence is not the same	M, C or O	Data Source GUI Path Database Field
	<p>4. Two Grading Periods with the same Grading Period Descriptor can have the same sequence as long as they are assigned to different schools.</p> <p>3. The sequence is determined based on the name of the 'number' in the Grading Period Descriptor up to 6. Example 'First Semester' will have a sequence of 1, 'First Nine Weeks' will have a sequence of 1. If the Grading Period Descriptor number is over 6 or cannot be determined, a default value of 1 reports.</p>		
<b>schoolReference</b>	<p>Provide user information to lookup and link to an existing school record.</p> <p>Reports the natural key of the School resource to which the grading period is aligned.</p>	M	
<b>schoolYearTypeReference</b>	<p>A reference to the related SchoolYearType resource.</p> <p>Reports the end year from the calendar the term is reported.</p> <ul style="list-style-type: none"> <li>• Reports 'XXXX'.</li> </ul>	M	

Data Element Label	Business Requirement	M, C or O	Data Source GUI Path Database Field
beginDate	<p>The start date of the grading period.</p> <ol style="list-style-type: none"> <li>1. Report the start date from the Grading Period being reported</li> <li>2. If there is more than 1 grading period with the same School, Descriptor and Sequence, report the earliest start date</li> </ol>	M	<p>System Administration &gt; Ed-Fi &gt; Configuration &gt; Resource Preferences &gt; Grading Periods &gt; Grading Period Start Date</p> <p>edfigradingperiod.startDate</p>
endDate	<p>The end date of the grading period.</p> <ol style="list-style-type: none"> <li>1. Report the end date from the Grading Period being reported.</li> <li>2. If there is more than 1 grading period with the same School, Descriptor and Sequence, report the latest end date.</li> </ol>	M	<p>System Administration &gt; Ed-Fi &gt; Configuration &gt; Resource Preferences &gt; Grading Periods &gt; Grading Period End Date</p> <p>edfigradingperiod.endDate</p>

Data Element Label	Business Requirement	M, C or O	Data Source GUI Path Database Field
totalInstructionalDays	<p>The total number of instructional days in the grading period.</p> <p>Count the number of instructional days on the Days tab that occur during the start and end date for the grading period</p> <ol style="list-style-type: none"> <li>1. If there is more than 1 calendar or schedule structure, report the distinct number of instructional days from all calendars/schedule structures that have that specific grading period (same school, descriptor, and seq).</li> </ol>	M	System Administration > Calendar > Calendar > Days

## Type/Descriptor

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### Grading Period Descriptor

Code	Description	Namespace	Short Description
0	Full Year	uri://dese.mo.gov/GradingPeriodDescriptor	Full Year
1	First Semester	uri://dese.mo.gov/GradingPeriodDescriptor	First Semester
2	Second Semester	uri://dese.mo.gov/GradingPeriodDescriptor	Second Semester
3	Third Semester	uri://dese.mo.gov/GradingPeriodDescriptor	Third Semester