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

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

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.
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 needs 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	When the Natural Key changes: • When the School Number/Ed-Fi School Number changes, a delete/post occurs with the cascading deletes from the School ID Change triggers.
Delete/Post	When the Grading Period Descriptor or Sequence changes and a resync is completed.
Delete/Post	When the natural key changes or the record is deleted, the Sessions Grading Periods reference is updated.
Delete/Post	When the natural key of Grading Periods changes, all existing dependent data is deleted or moved to the correct Grading Period. When a grade has not been posted yet and a Grading Period changes, a resync on the Grades resource needs 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 to which they are aligned. • Data only sends for the years that have valid configuration.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Schools/Calendars/Schedule Structures/Term Schedules	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.

Error Log

Error	Possible Causes/How to Fix
Student Over, 57744 does not have a Student Section Association record for the course 1014 ACP English 9. This record must exist before Grades can be sent.	Causes: Student has a grade for a course section that attempted to send during a resync of gradingPeriods. Student did not have a studentSectionAssociation on record. Resolution: Resync studentSectionAssociation for this student to send studentSectionAssociation and grade to Ed-Fi.

Object Data Elements

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

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Database Field
id	The unique identifier of the resource.	M	
gradingPeriodDescriptor	The name of the grading period. Reports the code value from the Grading Period Name selected.	M	Resource Preferences > Grading Periods > Grading Period Descriptor edfigradingperiod.name

periodSequence	The sequence of the grading period.
	• Reports the period sequence for the Grading Period being reported.
	• The sequence auto-generates based on an assigned value. This value can be overwritten when necessary.
	  ○ The sequence can be changed in the individual record as long it is unique to the Grading Period Descriptor and School combination.
	  ○ Two Grading Periods in the same school can have the same sequence as long as the
		M	Resource Preferences > Grading Periods > Grading Period Sequence
			
			edfigradingperiod.sequence

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Database Field
	Grading Period Descriptor is not the same. - Two Grading Periods in the same school can have the same Grading Period Descriptor as long as the Sequence is not the same. - Two Grading Periods with the same Grading Period Descriptor can have the same sequence as long as they are assigned to different schools. - The sequence is determined based on the name of the number in the Grading Period Descriptor up to 6. Example: First Semester has a sequence of 1; First Nine Weeks has a sequence of 1. When the Grading Period Descriptor number is over 6 or cannot be determined, a default value of 1		

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Database Field
schoolReference	Provide user information to lookup and link to an existing school record. Reports the natural key of the School resource to which the grading period is aligned.	M	
schoolYearTypeReference	A reference to the related SchoolYearType resource. Reports the end year from the calendar the term is reported. Reports XXXX.	M	
beginDate	The start date of the grading period. Reports the start date from the Grading Period being reported. When there is more than one grading period with the same School, Descriptor and Sequence, the earliest start date reports.	M	Resource Preferencess> Grading Periods > Grading Period Start Date edfigradingperiod.startDate

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Database Field
endDate	The end date of the grading period. Reports the end date from the Grading Period being reported. When there is more than one grading period with the same School, Descriptor and Sequence, reports the latest end date.	M	Resource Preferences > Grading Periods > Grading Period End Date edfigradingperiod.endDate
totalInstructionalDays	The total number of instructional days in the grading period. Counts the number of instructional days on the Days tool that occur during the start and end date for the grading period. • When there is more than one calendar or schedule structure, report the distinct number of instructional days from all calendars /schedule structures. • Instructional days do not send an update when changed after original post unless a resync is completed.	M	Day Setup > Day Detail > Instruction
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Type/Descriptor

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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
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