Grading Periods (Indiana v3.6)

Last Modified on 12/23/2024 12:31 pm CST

> You are viewing a previous version of this article. See the Indiana Ed-Fi article for the most current information.

This entity represents the time span for which grades are reported. Quarter, Semester, Final, etc. The Start and End dates must have a calendar event in the Calendar Dates resource before Grading Periods can be sent. The user must perform a day reset before filling out the Grading Periods tab. In Indiana, the Grading Periods resource represents the reporting of progress reports (such as report cards) for a student. It does not represent the reporting of the actual grading periods where credits are assigned to students for their courses. The reporting for this is done in the Sessions resource.

> The following **Grades** resource preference configuration is required to set up the Grading Periods resource appropriately.
>
> - **Grading Task** = Semester Grade + Ed-Fi Code = Semester
> - **Grading Task** = Term Grade + Ed-Fi Code = Grading Period

Object Triggering Logic

This table describes the logic for triggering the syncing of this object.

Action	Trigger
Post	When a new Grading Period is created and saved in Resource Preferences and a resync is completed. • Do not send if the School is marked as Exclude. • Do not send if the Calendar is marked as Exclude. • Do not send if there are no days for that school.
Put	When the Grading Period Start or End Date is updated and saved, a resync is completed.
Put	When the Instructional checkbox is checked or unchecked, the Total Instructional Days 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
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

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

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

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

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/Resolutions
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 Requirement	Business Rules	M, C or O	Location
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	System Administration > Ed-Fi > Configuration> 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 is auto-generated based on an	M	System Administration > Ed-Fi > Configuration > Resource Preferences > Grading Periods > Grading Period Sequence edfigradingperiod.sequence

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
		assigned value. This value can be overwritten if 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 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' 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.		

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
schoolReference	Provides 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. • If there is more than 1 grading period with the same School, Descriptor and Sequence, reports the earliest start date.	M	System Administration > Ed-Fi > Configuration > Resource Preferences > Grading Periods > Grading Period Start Date edfigradingperiod. startDate
endDate	The end date of the grading period.	Reports the end date from the Grading Period being reported. • If there is more than 1 grading period with the same School, Descriptor and Sequence, reports the latest end date.	M	System Administration > Ed-Fi > Configuration > Resource Preferences > Grading Periods > Grading Period End Date edfigradingperiod. endDate
descriptor	The name of the grading period.	Report the code value from the Grading Period Descriptor selected.	M	System Administration > Ed-Fi > Ed-Fi Configuration > Resource Preferences > Grading Periods > Grading Period Descriptor edfigradingperiod. name

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
totalInstructional Days	The total number of instructional days in the grading period.	Counts the number of instructional days on the Days tab that occur during the start and end date for the grading period. • If there is more than 1 calendar or schedule structure, reports the distinct number of instructional days from all calendars/schedule structures that have that specific grading period (same school, descriptor, and seq).	M	System Administration > Calendar > Calendar > Days
_etag			O	

Type/Descriptor

▶ Click here to expand...

Grading Period Descriptor

Code Value	Description	Namespace	Short Description
First Nine Weeks	First Nine Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	First Nine Weeks
Second Nine Weeks	Second Nine Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Second Nine Weeks
Third Nine Weeks	Third Nine Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Third Nine Weeks
Fourth Nine Weeks	Fourth Nine Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Fourth Nine Weeks
First Semester	First Semester	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	First Semester
Second Semester	Second Semester	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Second Semester

First Trimester	First Trimester	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	First Trimester
Second Trimester	Second Trimester	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Second Trimester
Third Trimester	Third Trimester	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Third Trimester
First Six Weeks	First Six Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	First Six Weeks
Second Six Weeks	Second Six Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Second Six Weeks
Third Six Weeks	Third Six Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Third Six Weeks
Fourth Six Weeks	Fourth Six Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Fourth Six Weeks
Fifth Six Weeks	Fifth Six Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Fifth Six Weeks
Sixth Six Weeks	Sixth Six Weeks	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Sixth Six Weeks
First Summer Session	First Summer Session	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	First Summer Session
Second Summer Session	Second Summer Session	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Second Summer Session
Third Summer Session	Third Summer Session	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Third Summer Session
Summer Semester	Summer Semester	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	Summer Semester
End of Year	End of Year	http://doe.in.gov/Descriptor/GradingPeriodDescriptor.xml	End of Year