

NE Ed-Fi Suite v3.6.1, Data Standard v4.0: Calendar Dates

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Summary

This entity represents a day in the school calendar.

Object Triggering Logic

Action	Business Rule(s)
Post	<ul style="list-style-type: none">• When a Day is created with the Instruction check box checked or a Day Event is added to a day mapped to an Ed-Fi Code.<ul style="list-style-type: none">◦ Days can be set either manually or by the Day Reset tool.◦ Day Events can be set either manually or by the Multi Day Event Wizard.◦ When the Secondary School field is populated, report the student's information from this new school as an override to the current school.• Do not send a record if the Calendar Exclude checkbox is checked.• Do not send a record if the School Exclude checkbox is checked.
Delete /Post	<ul style="list-style-type: none">• There is more than 1 event on a day and 1 is being updated.
Put	

Delete	<ul style="list-style-type: none"> All Day Events must be deleted and the Instructional check box needs to be unchecked.
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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Calendars

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix
400: Validation of ' RESOURCE ' failed. FIELD is required.	An element of the JSON that is required is missing and needs to be added. <ul style="list-style-type: none">• Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.
400: ' RESOURCE ' failed. RESOURCE reference could not be resolved.	A resource that was referenced from a difference resource does not yet exist. <ul style="list-style-type: none">• Resync the resource being mentioned in the error, then resync the errored resource. Alternatively, the resource being referenced may be incorrect. This can happen with Schools and the Ed-Fi School ID being used as an example. Double check the referenced values being sent are valid.

<p>403: Authorization denied. The claim does not have any established relationships with the requested resource.</p>	<p>The key/secret being used does not have permission to send a record for the resource / referenced resource.</p> <ul style="list-style-type: none"> • Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources. • The referenced person (student, staff, parent, contact, etc.) has not yet been associated to the key /secret. Resync their "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource. • The referenced person (student, staff, parent, contact, etc.) may not exist in the ODS yet. Resync the "person" resource and the "linking" resource (Students Student School Associations, Staffs Staff Education Organization Assignment Associations, etc.) then resync the errored resource.
<p>404: Failed to delete 'RESOURCE'. Record does not exist.</p>	<p>The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist.</p> <ul style="list-style-type: none"> • This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
<p>409: A natural key conflict occurred when attempting to create a new resource 'RESOURCE' with a duplicate key.</p>	<p>The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. However, it may also indicate that the natural key requirements of the Ed-Fi API have not been satisfied, and the key needs to be modified.</p> <ul style="list-style-type: none"> • Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. <ul style="list-style-type: none"> ◦ This can be caused by numerous issues. Our code may be attempting to send duplicate records when it should not. The natural key (bolded fields below) may not be unique enough to satisfy Ed-Fi requirements in all cases. Most times this error will require a code change to fix.
<p>409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the 'RESOURCE' entity.</p>	<p>The resource that the application is attempting to delete is referenced from another entity.</p> <ul style="list-style-type: none"> • Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.

500: Internal Server Error.	<p>Something unexpected happened and no specific error message could be returned.</p> <ul style="list-style-type: none"> • This issue usually occurs when the ODS is having issues. Confirm that there are no issues with the ODS the data is being sent to and then attempt to retry the errored record. • Contact Campus Support if 500 errors continue to occur, can be replicated consistently, and the ODS the data is being sent to has no ongoing issues. <ul style="list-style-type: none"> ◦ There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error. ◦ There is a chance that an Ed-Fi Data Standard / API bug is causing the issue. ◦ Investigation is needed in these cases as there are many different potential causes.
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Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element. For Core Ed-Fi connections, it indicates what the data standard requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	id	The unique identifier of the resource.	M			
2	calendarReference	A reference to the related School resource. 1. Reports the fields that are part of the Natural Key for the Calendars resource	M			
3	date	Month, day, and year of the date being reported 1. Reports the Date being reported	M	System Administration> Calendar> Calendar> Days> Date	day.date	
4	calendarEvents	The type of scheduled or unscheduled event for the day. 1. Reports the data from the Day or Day Event for the Date being reported 2. See Array section below for data logic for each field	M			

5	instructionDuration	<p><i>NDE provided this extension to handle random issues where students do not attend school in a traditional manner. This is for students who only attend a few days or hours a week. They can have a roster in the traditional calendar and this field will act as an override for their instructional duration</i></p> <hr/> <p>If this data field is populated, report the percentage of the value entered. example, if 100 is entered into the duration field, report that as 1. if 50 is entered into the Duration field, report that as .5.</p> <p>If duration is NULL, report as 1.</p> <p>Add a trigger to this field for updates, changes or deletes.</p> <p>If field is NULL, report blank.</p> <p>InstructionDuration = 1.0 codes 04: Make Up Day</p> <p>01: Instructional Day</p> <p>06: Student Late Arrival/early Dismissal</p> <p>The following Codes should subtract from the InstructionDuration up to 0.0 as a total value of Instruction.</p> <ol style="list-style-type: none"> 02: Teacher Only Day 07: Emergency Day 03: Holiday 09: Other 08: Strike <p>All codes present on a day will send in an array to the state.</p>	C	System Administration > Calendar > Calendar > Days > Day Events > Duration	dayEvent. Duration Format: nnn.nn	EXT
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Appendix

Code Value	Namespace	Description
01	"uri://education.ne.gov /CalendarEventDescriptor"	Instructional
02	"uri://education.ne.gov /CalendarEventDescriptor"	Teacher Only Day
03	"uri://education.ne.gov /CalendarEventDescriptor"	Holiday
04	"uri://education.ne.gov /CalendarEventDescriptor"	Make-up Day
05	"uri://education.ne.gov /CalendarEventDescriptor"	Weather Day
06	"uri://education.ne.gov /CalendarEventDescriptor"	Student Late Arrival/Early Dismissal
07	"uri://education.ne.gov /CalendarEventDescriptor"	Emergency Day
08	"uri://education.ne.gov /CalendarEventDescriptor"	Strike
09	"uri://education.ne.gov /CalendarEventDescriptor"	Other

10	"uri://education.ne.gov /CalendarEventDescriptor"	Instructional - Split School
11	"uri://education.ne.gov /CalendarEventDescriptor"	Instructional - Remote Learning