

Core Ed-Fi Suite v3.6.1, Data Standard v4.0: Student School Associations

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Summary

This association represents the school in which a student is enrolled. The semantics of enrollment may differ slightly by state. Non-enrollment relationships between a student and an education organization may be described using the Student Education Organization Association resource.

Object Triggering Logic

Action	Business Rule(s)
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Post	<p>Reports a record when an Enrollment is saved and overlaps the configured year.</p> <ul style="list-style-type: none">• A record is only reported for Enrollments in the same School Year as the Ed-Fi Connection sending the record.<ul style="list-style-type: none">◦ School Year dates are defined in School Year Setup.<ul style="list-style-type: none">▪ If Start Date is NULL, 07/01/StartYear will be used.▪ If End Date is NULL, 06/30/EndYear will be used.• A record will report for each Enrollment with a unique School and Enrollment Start Date combination.• When a student has two enrollments in the same School, Calendar, and Schedule Structure with the same start date, report from the enrollment service type in the following order:<ul style="list-style-type: none">◦ P: Primary Enrollment◦ S: Partial/Ancillary◦ N: Special Ed Services• When a student has two Primary enrollments in the same school with the same start date, post the record with the highest enrollment ID.• Do not report a record if the any of the following exclusions are present:<ul style="list-style-type: none">◦ Enrollment No Show◦ Calendar Exclude◦ School Exclude
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<p>Delete /Post</p> <p>Put</p>	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> • When any of the following information is changed on Enrollments: <ul style="list-style-type: none"> ○ Enrollment ID (New Enrollment) ○ Grade ○ Start Date ○ End Date ○ No Show ○ End Action ○ Service Type ○ State Start Status ○ State End Status ○ Resident District ○ Serving District ○ School Choice • When any of the following information is changed on Graduation: <ul style="list-style-type: none"> ○ NCLB Cohort End Year • When any of the following information is changed on Program Participation: <ul style="list-style-type: none"> ○ Program Participation ID (New Program Participation) ○ Program ○ Start Date ○ End Date • Changes to Resource Preferences mappings do NOT trigger. A manual resync must be performed on the resource if mappings are changed.
<p>Delete</p>	<ul style="list-style-type: none"> • When the student is now excluded in some way. • When the Enrollment is deleted. • When the Enrollment dates are changed to no longer overlap the configured year. • When a record is in the Ed-Fi Identity Mapping Report but cannot be found on the Campus site.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Students
- Schools
- Graduation Plans
- 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.	<p>An element of the JSON that is required is missing and needs to be added.</p> <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.	<p>A resource that was referenced from a difference resource does not yet exist.</p> <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.

Something unexpected happened and no specific error message could be returned.

- 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.
 - 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.

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	entryDate (date)	<p>The month, day, and year on which an individual enters and begins to receive instructional services in a school.</p> <hr/> <p>Reports the Enrollment Start Date.</p>	M	Enrollments	Enrollment .startDate	✓
2	calendarReference (reference)	<p>A reference to the Calendars resource associated with the Student School Associations being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Calendars resource.</p>	O	N/A	N/A	✓

3	classOfSchoolYearTypeReference (reference)	<p><i>A reference to the School Year the student is expected to graduate.</i></p> <hr/> <p>Report the NCLB Cohort End Year.</p> <ul style="list-style-type: none"> Do not report if NCLB Cohort End Year is NULL. 	O	Graduation	Graduation . cohortYearNCLB	✔
4	graduationPlanReference (reference)	<p><i>A reference to the Graduation Plans resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Graduation Plans resource.</p> <ul style="list-style-type: none"> The student must be assigned to the Graduation Program or Career Tech (CTE) Program to report this data element. <ul style="list-style-type: none"> The Program Participation record must overlap the Enrollment Dates. Report the Graduation Plan record aligned with the student's NCLB Cohort End Year. <ul style="list-style-type: none"> If NCLB Cohort End Year is NULL, do not report this data element. If the student has both a Graduation Program and a Career Tech (CTE) Program that are both eligible to report, report the Graduation Program. If the student has more than one Graduation Program eligible to report, report the Graduation Program with the most recent Start Date. 	O	N/A	N/A	✔

5	schoolReference (<i>reference</i>)	<p><i>A reference to the Schools resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p>	M	N/A	N/A	✓
6	schoolYearTypeReference (<i>reference</i>)	<p><i>A reference to the School Year associated with the Student School Association being reported.</i></p> <hr/> <p>Reports the End Year of the calendar associated with the Enrollment.</p>	O	Calendar Information	Calendar .endYear	✓
7	studentReference (<i>reference</i>)	<p><i>A reference to the Students resource associated with the Student School Associations being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	M	N/A	N/A	✓
8	entryGradeLevelDescriptor (<i>string</i>)	<p><i>The grade level or primary instructional level at which a student enters and receives services in a school or an educational institution during a given academic session.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Grade.</p> <ul style="list-style-type: none"> This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Grade Levels resource. 	M	Enrollments	Enrollment .grade	✓

9	entryTypeDescriptor (string)	<p><i>The process by which a student enters a school during a given academic session.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Enrollment State Start Status.</p> <ul style="list-style-type: none"> This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student School Associations resource. 	O	Enrollments	Enrollment .startStatus	✓
10	exitWithdrawDate (date)	<p><i>The recorded exit or withdraw date for the student.</i></p> <hr/> <p>Reports the Enrollment End Date.</p>	O	Enrollments	Enrollment .endDate	✓
11	exitWithdrawTypeDescriptor (string)	<p><i>The circumstances under which the student exited from membership in an educational institution.</i></p> <hr/> <p>Reports the Ed-Fi Code mapped to the value selected for Enrollment State End Status.</p> <ul style="list-style-type: none"> This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Student School Associations resource. 	O	Enrollments	Enrollment .endStatus	✓

12	primarySchool (<i>boolean</i>)	<p><i>Indicates if a given enrollment record should be considered the primary record for a student.</i></p> <hr/> <ul style="list-style-type: none"> • Reports True when Service Type is <i>P: Primary</i>. • Reports False in all other situations. 	O	Enrollments	Enrollment .type	✓
13	repeatGradeIndicator (<i>boolean</i>)	<p><i>An indicator of whether the student is enrolling to repeat a grade level, either by failure or an agreement to hold the student back.</i></p> <hr/> <ul style="list-style-type: none"> • Report True when the student's last enrollment record prior to the current enrollment has an End Action of "R: Retain." <ul style="list-style-type: none"> ○ The prior enrollment's start date must be before the reporting enrollment's start date. • Report False in all other situations. 	O	Enrollments	Enrollment. endAction	✓

14	residencyStatusDescriptor (string)	<p><i>An indication of the location of a persons legal residence relative to (within or outside of) the boundaries of the public school attended and its administrative unit.</i></p> <hr/> <ul style="list-style-type: none"> • Report Resident of admin unit and school area when the Resident District AND the Serving District are NULL or the same as the reporting district. • Report Resident of admin unit, but other school area when the Serving District is NOT the same as the reporting district. <ul style="list-style-type: none"> ◦ The Resident District must be NULL or the same as the reporting district to report this. Do not report if the Resident District does not match this criteria. • Report Resident of this state, but not of this admin unit when the Resident District is NOT the same as the reporting district. <ul style="list-style-type: none"> ◦ The Serving District must be NULL or the same as the reporting district to report this. Do not report if the Serving District does not match this criteria. • Do not report if the Resident District AND the Serving District are different from the reporting district. 	O	Enrollments	<p>Enrollment .residentDistrict</p> <p>Enrollment .servingDistrict</p> <p>Enrollment .districtID</p>	
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15	schoolChoiceTransfer (<i>boolean</i>)	<p><i>An indication of whether students transferred in or out of the school did so during the school year under the provisions for public school choice in accordance with Title I, Part A, Section 1116.</i></p> <hr/> <ul style="list-style-type: none"> • Reports True when the School Choice checkbox is checked. • Reports False in all other situations. 	<input type="radio"/>	Enrollments	Enrollment . schoolChoiceProgram	<input checked="" type="checkbox"/>
16	alternativeGraduationPlans	This data element is optional and does not report.	<input type="radio"/>	N/A	N/A	N/A
17	educationPlans	This data element is optional and does not report.	<input type="radio"/>	N/A	N/A	N/A
18	employedWhileEnrolled	This data element is optional and does not report.	<input type="radio"/>	N/A	N/A	N/A
19	entryGradeLevelReasonDescriptor	This data element is optional and does not report.	<input type="radio"/>	N/A	N/A	N/A
20	fullTimeEquivalency	This data element is optional and does not report.	<input type="radio"/>	N/A	N/A	N/A
21	termCompletionIndicator	This data element is optional and does not report.	<input type="radio"/>	N/A	N/A	N/A

Appendix