Core Ed-Fi Suite v3.6.1, Data Standard v4.0: Schools

January 2025

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Summary

This entity represents an educational organization that includes staff and students who participate in classes and educational activity groups.

Object Triggering Logic

Action	Business Rule(s)
Post	Reports a record when a School is created and saved **OR** the Ed-Fi School Number / State School Number is changed. • Do not report a record if the any of the following exclusions are present: ○ School Exclude

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Delete /Post
 	
Put
	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.
	
	• When any of the following information is changed on School Information:
	  ◦ School ID (New School)
	  ◦ State School Number
	  ◦ Ed-Fi School ID

Delete	• Schools records are **NOT** deleted automatically. • The Delete Tool must be used to delete a Schools record. ◦ This will only work if all downstream data has been removed from the ODS.

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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Local Education Agencies

Dependent Resources (Downstream)

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

- Majority of Ed-Fi Resources

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. - 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. - 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.

403: Authorization denied. The claim does not have any established relationships with the requested resource.	The key/secret being used does not have permission to send a record for the resource / referenced resource. • 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.
404: Failed to delete '**RESOURCE**'. Record does not exist.	The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist. • This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
409: A natural key conflict occurred when attempting to create a new resource '**RESOURCE**' with a duplicate key.	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. • Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. ◦ 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.
409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the '**RESOURCE**' entity.	The resource that the application is attempting to delete is referenced from another entity. • 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.

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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	educationOrganizationCategories (*array*)	*An unordered collection of educationOrganizationCategories. The classification of the education agency within the geographic boundaries of a state according to the level of administrative and operational control granted by the state.* Reports the following data elements in an array: • educationOrganizationCategoryDescriptor ○ Reports **School**.	M	N/A	N/A	✅

2	gradeLevels (*array*)	*An unordered collection of schoolGradeLevels. The grade levels served at the school.* Reports the following data elements in an array: • gradeLevelDescriptor 　○ Reports the Ed-Fi Code mapped to the value selected for each unique **Grade Level** associated with the School in any Calendar or Schedule Structure. 　　■ This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Grade Levels resource. 　○ Does not report Grade Levels if they are only found in a Calendar that is marked as Exclude. 　○ Does not report Grade Levels that are not mapped to an Ed-Fi Code.	M	Grade Level Setup	GradeLevel .name	✅
3	**schoolId** (*number*)	*The identifier assigned to a school.* Report the **Ed-Fi School ID**. • If NULL, report the **State School Number**.	M	School Information	School . entityID School . number	✅
4	localEducationAgencyReference (*reference*)	*A reference to the Local Education Agencies resource associated with the School being reported.* Reports the fields that are part of the Natural Key for the Local Education Agencies resource.	M	N/A	N/A	✅

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| 5 | addresses (*array*) | An unordered collection of educationOrganizationAddresses. The set of elements that describes an address for the education entity, including the street address, city, state, ZIP code, and ZIP code + 4.

Reports the following data elements in an array:

• addressTypeDescriptor
 ○ Reports **Physical**.
• stateAbbreviationDescriptor
 ○ Reports the **State**.
• city
 ○ Reports the **City**.
• postalCode
 ○ Reports the **Zip**.
• streetNameNumber
 ○ Reports the **Physical Address**.
• The following data elements do not report:
 ○ apartmentRoomSuiteNumber
 ○ buildingSiteNumber
 ○ congressionalDistrict
 ○ countyFIPSCode
 ○ doNotPublishIndicator
 ○ latitude
 ○ localeDescriptor
 ○ longitude
 ○ nameOfCounty
 ○ periods
 ▪ beginDate
 ▪ endDate | O | School Information | School . state

School .city

School .zip

School . address | ✅ |

6	identificationCodes (*array*)	*An unordered collection of educationOrganizationIdentificationCodes. A unique number or alphanumeric code assigned to an education organization by a school, school system, a state, or other agency or entity.* Reports the following data elements in an array: • educationOrganizationIdentificationSystemDescriptor 　○ Reports **SEA**. • identificationCode 　○ Reports the **Ed-Fi School ID**. 　　▪ If NULL, reports the **State School Number**.	O	School Information	School . entityID School . number	✓
7	institutionTelephones (*array*)	*An unordered collection of educationOrganizationInstitutionTelephones. The 10-digit telephone number, including the area code, for the education entity.* Reports the following data elements in an array: • institutionTelephoneNumberTypeDescriptor 　○ Reports **Main**. • telephoneNumber 　○ Reports the **Phone**.	O	School Information	School . phone	✓
8	nameOfInstitution (*string*)	*The full, legally accepted name of the institution.* Reports the **Name**.	M	School Information	School . name	✓

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9	schoolCategories (*array*)	*An unordered collection of schoolCategories. The one or more categories of school.*
		
		Reports the following data elements in an array:
		
		• schoolCategoryDescriptor
		   ○ Reports the Ed-Fi Code mapped to the value selected for **Grade Type**.
		      ■ This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Schools resource.
		   ○ Does not report if Grade Type is NULL or not mapped to an Ed-Fi Code.
			O	School Information	School . gradeType	✅

10	schoolTypeDescriptor (*string*)	*The type of education institution as classified by its primary focus.* Reports the Ed-Fi Code mapped to the value selected for **Institution Code**. • This mapping can be found in the Resource Preferences of the Ed-Fi Connection under the Schools resource. • Does not report if Institution Code is NULL or not mapped to an Ed-Fi Code.	O	School Information	School . type	✅
11	shortNameOfInstitution (*string*)	*A short name for the institution.* Reports the **Name**.	O	School Information	School . name	✅

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12	charterApprovalSchool YearTypeReference	This data element is optional and does not report.	O	N/A	N/A	N/A
13	administrativeFunding ControlDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
14	charterApproval AgencyTypeDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
15	charterStatusDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
16	indicators	This data element is optional and does not report.	O	N/A	N/A	N/A
17	internationalAddresses	This data element is optional and does not report.	O	N/A	N/A	N/A
18	internetAccessDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
19	magnetSpecialProgram EmphasisSchoolDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
20	operationalStatusDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A
21	titleIPartASchool DesignationDescriptor	This data element is optional and does not report.	O	N/A	N/A	N/A

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Appendix

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