

IN Ed-Fi Suite v7.3, Data Standard v5.2: Students

July
2025

IN Ed-Fi Suite v7.3, Data Standard v5.2: Students

Table of Contents

- [Summary](#)
- [Object Triggering Logic](#)
- [Required Resources \(Upstream\)](#)
- [Dependent Resources \(Downstream\)](#)
- [Error Log](#)
- [Object Data Elements Logic](#)
- [Appendix](#)

Summary

This entity represents an individual for whom instruction, services, and/or care are provided in an early childhood, elementary, or secondary educational program under the jurisdiction of a school, education agency or other institution or program. A student is a person who has been enrolled in a school or other educational institution.

Object Triggering Logic

Action	Business Rule(s)
POST	<p>Report a record when a person has an enrollment in the current configured year.</p> <ul style="list-style-type: none">• Do not report a record if the any of the following exclusions are present:<ul style="list-style-type: none">○ Enrollment State Exclude○ Enrollment No Show○ Enrollment Grade Exclude from State Reporting○ Calendar Exclude○ School Exclude

PUT	<p>A Put will be performed when the following information changes:</p> <ul style="list-style-type: none">• When the following information on Identity is changed:<ul style="list-style-type: none">◦ Identity ID (New Identity Record)◦ First Name◦ Legal First Name◦ Last Name◦ Legal Last Name◦ Middle Name◦ Legal Middle Name◦ Suffix◦ Legal Suffix◦ Gender◦ Legal Gender◦ Birth Date◦ Birth Country◦ Birth State• When the following information on Demographics is changed:<ul style="list-style-type: none">◦ Birth City◦ Student State ID◦ Date Entered US• When the following information on Enrollment is changed:<ul style="list-style-type: none">◦ Enrollment ID (New Enrollment)◦ State Exclude◦ No Show
DELETE	<ul style="list-style-type: none">• Student records are a shared resource among all districts, this record will not delete.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- No upstream resources, but to view for any given student, a Student School Association must first be sent to establish the link between the school and the student.

Dependent Resources (Downstream)

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

- All student-based 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. <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.
-----------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	studentUniqueld (<i>string</i>)	<p><i>A unique alphanumeric code assigned to a student.</i></p> <hr/> <p>Report the Student State ID.</p>	M	Demographics	Person.stateID	✗
2	birthCity (<i>string</i>)	<p><i>The city the student was born in.</i></p> <hr/> <p>Reports the Birth City.</p> <ul style="list-style-type: none"> Do not report if Birth City is NULL. 	O	Identity	Identity .birthCity	✓

3	birthCountryDescriptor (<i>string</i>)	<p><i>The country in which an individual is born. It is strongly recommended that entries use only ISO 3166 2-letter country codes.</i></p> <hr/> <p>Report the Ed-Fi Code mapped to the value selected for Birth Country from the current Identity record (hard-coded)</p> <ul style="list-style-type: none"> Report the Ed-Fi Code mapped to the default value for Birth Country, if applicable. 	O	Identity	Identity . birthCountry	✓
4	birthDate (<i>date</i>)	<p><i>The month, day, and year on which an individual was born.</i></p> <hr/> <p>Report the Birth Date from the current Identity record.</p>	M	Identity	Identity . birthDate	✓
5	birthSexDescriptor (<i>date</i>)	<p><i>A person's gender at birth.</i></p> <hr/> <p>Will use Legal Gender if populated, otherwise it will use Gender from the current Identity record:</p> <ul style="list-style-type: none"> Report the following based on the value selected in the droplist <ul style="list-style-type: none"> Female report Female Male report Male All other values, report Not Selected 	M	Identity	Identity . legalGender Identity .gender	✓

6	birthStateAbbreviationDescriptor (string)	<p><i>The abbreviation for the name of the state (within the United States) or extra-state jurisdiction in which an individual was born.</i></p> <hr/> <p>Report the Ed-Fi Code mapped to the value selected for Birth State from the current Identity record.</p> <ul style="list-style-type: none"> • Report the Ed-Fi Code mapped to the default value for Birth State, if applicable. • Report from the Ed-Fi Code override mapping in Resource Preferences, if applicable. 	O	Identity	Identity . birthState	✓
7	dateEnteredUS (date)	<p><i>For students born outside of the U.S., the date the student entered the U.S.</i></p> <hr/> <p>Report the Date Entered US.</p> <ul style="list-style-type: none"> • Do not report if NULL. 	M	Identity	Identity . dateEnteredUS	✓
8	firstName (string)	<p><i>A name given to an individual at birth, baptism, or during another naming ceremony, or through legal change.</i></p> <hr/> <ul style="list-style-type: none"> • Report the Legal First Name from the current Identity record. <ul style="list-style-type: none"> ◦ If NULL, report First Name instead. 	M	Identity	Identity. legalFirstName Identity. firstName	✓

9	generationCodeSuffix (string)	<p>An appendage, if any, used to denote an individual's generation in his family (e.g., Jr., Sr., III).</p> <hr/> <ul style="list-style-type: none"> Report the Legal Suffix from the current Identity record. <ul style="list-style-type: none"> If NULL, report Suffix instead. 	C	Identity	Identity.legalSuffix Identity.suffix	✓
10	lastSurname (string)	<p>The name borne in common by members of a family.</p> <hr/> <ul style="list-style-type: none"> Report the Legal Last Name from the current Identity record. <ul style="list-style-type: none"> If NULL, report Last Name instead. 	M	Identity	Identity.legalLastName Identity.lastName	✓
11	middleName (string)	<p>A secondary name given to an individual at birth, baptism, or during another naming ceremony.</p> <hr/> <ul style="list-style-type: none"> Report the Legal Middle Name from the current Identity record. <ul style="list-style-type: none"> If NULL, report Middle Name instead. 	C	Identity	Identity.legalMiddleName Identity.middleName	✓
12	personReference	This is optional, does not report.	O	N/A	N/A	N/A
13	birthInternationalProvince	This is optional, does not report.	O	N/A	N/A	N/A
14	birthSexDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
15	citizenshipStatusDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
16	identificationDocuments	This is optional, does not report.	O	N/A	N/A	N/A
17	maidenName	This is optional, does not report.	O	N/A	N/A	N/A

18	multipleBirthStatus	This is optional, does not report.	O	N/A	N/A	N/A
19	otherNames	This is optional, does not report.	O	N/A	N/A	N/A
20	personalIdentificationDocuments	This is optional, does not report.	O	N/A	N/A	N/A
21	personalTitlePrefix	This is optional, does not report.	O	N/A	N/A	N/A
22	preferredFirstName	This is optional, does not report.	O	N/A	N/A	N/A
23	preferredLastSurname	This is optional, does not report.	O	N/A	N/A	N/A
24	visas	This is optional, does not report.	O	N/A	N/A	N/A

Appendix