KS Ed-Fi Suite v3.6.2, Data Standard v4.0: Section Educators: KS Ed-Fi

February 2025

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Summary

This Kansas specific Ed-Fi resource is used for reporting TASC staff section association records for Educators who have not been assigned a State Educator ID. Staff persons with valid State Educator IDs are sent in the Staff Section Associations Resource.

Object Triggering Logic

Action	Business Rule(s)

Post	When staff person is added to a course section on Staff History that overlaps the configured year • Must have a Staff Type of P: Primary Teacher OR T: Teacher in the Section Staff History Table • Must have an Email or Secondary Email • Must **not** have an Staff Unique ID (i.e, Staff State ID) Do not report a record in these cases: • Calendar Exclude is checked • School Exclude is checked • Course is Inactive • Course is marked Exclude from State Reporting • Staff member has a Staff State ID • Staff District Assignment record for the reporting School does not overlap the configuration year that the Section is aligned to

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 District Assignment:
	   ◦ Start Date
	   ◦ End Date
	• When any of the following information is changed on Section Staff History:
	   ◦ Start Date
	   ◦ End Date

Delete	• When a staff member is deleted from Staff History • When a Role is removed from a Teacher on Staff History

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Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Sections

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. • 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.

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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	**sectionReference** (*reference*)	*A reference to the Sections resource associated with the Staff Section Association being reported.* Reports the fields that are part of the Natural Key for the Sections source. • Kansas specific sessionName logic: ○ For the Term(s) reported, report sessionName associated with the mapped Ed-Fi Code value using Kansas sessionName translation table.	M	N/A	N/A	❌

○ **Kansas sessionName translation table**

Code Value	Session Name
Q1	SchoolYear.endYear + ' Quarter 1'
Q2	SchoolYear.endYear + ' Quarter 2'
Q3	SchoolYear.endYear + ' Quarter 3'
Q4	SchoolYear.endYear + ' Quarter 4'
S1	SchoolYear.endYear + ' First Semester'
S2	SchoolYear.endYear +' Second Semester'
SM	'Summer'
T1	SchoolYear.endYear + ' Trimester 1'
T2	SchoolYear.endYear + ' Trimester 2'
T3	SchoolYear.endYear + ' Trimester 3'
YR	SchoolYear.endYear +' School Year'

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2	**educatorElectronicMailAddress** *(string)*	*Educator's District Email Address* Report as follows: 1. If the Email field is populated, report this value. 2. Else, report value from the Secondary Email field. 3. Else, do not send resource.	M	Demographics	contact.email contact. secondaryemail	EXT
3	educatorFirstName *(string)*	*Educator's first name* Report from the current Identity record. ○ Reports from the Protected Identity Information (i.e., Legal First Name field) ▪ If blank, reports from the Identity Information (i.e., First Name)		Identities	identity. legalFirstName OR identity. firstName	EXT
4	educatorLastSurname *(string)*	*Educator's last name* Report from the current Identity record. ○ Reports from the Protected Identity Information (i.e., Legal Last Name field) ▪ If blank, reports from the Identity Information (i.e., Last Name)		Identities	identity. legalLastName OR identity.lastName	EXT

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| 5 | educatorMiddleName *(string)* | *Educator's middle name*

Report from the current Identity record.

◦ Reports from the Protected Identity Information (i.e., Legal Middle Name field)
　■ If blank, reports from the Identity Information (i.e., Middle Name) | | Identities | identity. legalMiddleName

OR

identity. middleName | EXT |

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Appendix