

Ed-Fi 3.x Student Section Association Entity Mapping

Overview

This document defines the mapping of Aeries data to the Ed-Fi data standard.



Document Version 1.0

Last Updated 07 Nov 2021

Status

Ready for v3 certification.

Description

This association indicates the course sections to which a student is assigned.

Student Section Association Links

Mapping v3.2.0-c

<https://mappingedu.ed-fi.org#!/entity/de076848-e7ba-ea11-80df-005056b36109/info?dataStandardId=7ec6133d-e7ba-ea11-80df-005056b36109>

Schema v3.2.0-c

<https://schema.ed-fi.org/datahandbook-v320c/#/StudentSectionAssociation614>

API v3.4.0

<https://api.ed-fi.org/v3.4.0/docs/index.html#/studentSectionAssociations>

Scenarios v3

<https://techdocs.ed-fi.org/display/EDFICERT/v3+Student+Enrollment+%3E+StudentSectionAssociation+Scenarios>

Natural Key

- BeginDate
- LocalCourseCode
- SchoolId
- SchoolYear
- SectionIdentifier
- SessionName
- StudentUniquelid

Used By

- StudentCompetencyObjectiveSectionOrProgramChoice.StudentSectionAssociation (as optional collection)
- StudentLearningObjectiveSectionOrProgramChoice.StudentSectionAssociation (as optional collection)
- Grade.StudentSectionAssociation (as required)
- StudentGradebookEntry.StudentSectionAssociation (as required)

Mappings

Parent	Properties	Type	Required	Table	Field	Other	Code / Notes
\	beginDate	Date	Identity	CAR	DS		GetNullableDate(s("DS"))
\	endDate	Date	Required	CAR	DE		GetNullableDate(s("DE"))
\	homeroomIndicator	Boolean	Conditional	LOC.A, LOC.L, CAR.PD			GetHomeRoomIndicator(A, J, PD)
\	repeatIdentifierDescriptor	Descriptor	Optional				
\	sectionReference	SectionReference	Identity				

sectionReference	sessionName	String	Identity	MST	SM		termName = GetTermName (rowCAR!SC, rowCAR!SM, DbConnectionString) GetSessionName(rowCar! SchoolYear, termName)
sectionReference	sectionIdentifier	String	Identity	CAR	SC, SE		GetUniqueSectionCode(s("SC"), s("SE"))
sectionReference	localCourseCode	String	Identity	CAR	CN		s("CN")
sectionReference	schoolId	Integer	Identity	CAR	SC		GetNullableInteger(s("SC"))
sectionReference	schoolYear	Integer	Identity	CAR	DS		GetNullableInteger(s ("SchoolYear"))
\	studentReference	StudentReference	Identity				
studentReference	studentUniqueld	String	Identity	STU	ID		GetString(s("ID"))
\	teacherStudent DataLinkExclusion	Boolean	Optional				
\	attemptStatusDescriptor	String	Optional				

Code

```

Public Shared Function GetHomeRoomIndicator(ByVal A As String, ByVal J
As String, ByVal PD As String) As Boolean?

    Return If(A = "1", Nothing, If(J = PD, True, False))

End Function

Public Shared Function GetSessionName(ByVal schoolYear As Integer,
ByVal term As String) As String

    Return schoolYear.ToString() & " " & term

End Function

Public Shared Function GetTermName(ByVal schoolcode As Integer, ByVal
termCode As String, ByVal ConnectionString As String) As String

    'Ref: https://mappededu.ed-fi.org/#/element/e778beed-1c80-ea11-
80df-005056b36109/details?dataStandardId=e8efbbaa-1b80-ea11-80df-
005056b36109

    Select Case termCode
        Case "Y"
            Return "Year Round"
        Case "S"
            Return "Spring Semester"
        Case "F"
            Return "Fall Semester"
    End Select

    If Trimester(schoolcode, ConnectionString) Then

```

```

        Select Case termCode
            Case "1"
                Return "First Trimester"
            Case "2"
                Return "Second Trimester"
            Case "3"
                Return "Third Trimester"
        End Select
    Else
        Select Case termCode
            Case "1"
                Return "First Quarter"
            Case "2"
                Return "Second Quarter"
            Case "3"
                Return "Third Quarter"
            Case "4"
                Return "Fourth Quarter"
        End Select
    End If

    Return termCode

End Function

Public Shared Function GetUniqueSectionCode(ByVal school As String,
ByVal section As String) As String

    Return school & "-" & section

End Function

```

```
[
  {
    "id": "string",
    "beginDate": "2020-12-17",
    "sectionReference": {
      "localCourseCode": "string",
      "schoolId": 0,
      "schoolYear": 0,
      "sectionIdentifier": "string",
      "sessionName": "string",
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "studentReference": {
      "studentUniqueId": "string",
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "attemptStatusDescriptor": "string",
    "endDate": "2020-12-17",
    "homeroomIndicator": true,
    "repeatIdentifierDescriptor": "string",
    "teacherStudentDataLinkExclusion": true,
    "_etag": "string"
  }
]
```