

TX Ed-Fi Suite 3 API v7.1 Data Standard v4.0: Sections

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Summary

This educational entity represents a setting in which organized instruction of course content is provided to one or more students for a given period of time. A course may be offered to more than one class/section. Instruction, provided by one or more teachers or other staff members, may be delivered in person or via a different medium.

Object Triggering

Action	Business Rule(s)
Post	<p>When a section is created and saved</p> <ul style="list-style-type: none">• Section Placement is required in order for the section to send• 1 record will report for each Section and Term Type combination• Do not send records if the Calendar Exclude check box is checked• Do not send records if the course is marked inactive or Exclude• Do not send if the School Exclude check box is checked• Course must have a State Code = NOT NULL <p>When Section Placement is changed and saved on a section</p>
Put	When any fields not listed as part of the natural key are changed:
Delete/Post	When the Local Course Number or Term type is changed
Delete	<p>When a section is deleted</p> <p>When Section Placement is changed or removed and saved on a section</p>

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Schools (Preloaded)
- Course Offerings

Dependent Resources (Downstream)

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

- Student Section Associations
- Staff Section Associations

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

Object Data Elements

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.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been Localized using DOE rules, or the element has been added by a DOE as an Extended Element.

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Template Logic (Y/N/EXT)
1	sectionIdentifier <i>(string)</i>	<i>The local identifier assigned to a section.</i> <hr/> 1. Reports the section ID of the section being reported	M	N/A	section.sectionID	Y
2	courseOfferingReference <i>(reference)</i>	<i>A reference to the related CourseOffering resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Course Offering resource	M	N/A	N/A	Y
3	locationReference <i>(reference)</i>	<i>A reference to the related Location resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Locations resource	M	N/A	N/A	Y

4	locationSchoolReference (reference)	<i>A reference to the related School resource</i> <hr/> 1. Reports the fields that are part of the Natural Key for the School resource	M	N/A	N/A	Y
5	availableCredits (number)	<i>Credits or units of value awarded for the completion of a course</i> <hr/> 1. Sum the total number of credits from the Grading Tasks on the course 2. Divide by the number of terms the course section occurs	O	Course > Grading Task	gradingTaskCredit. Credit	Y
6	classPeriods / classPeriodReference (array / reference)	<i>An unordered collection of sectionClassPeriods. The class period during which the Section meets.</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Class Periods resource	O	Section Schedule Placement		Y
7	officialAttendancePeriod (boolean)	<i>Indicator of whether this section is used for official daily attendance. Alternatively, official daily attendance may be tied to a class period.</i> <hr/> 1. Report True if 'Attendance' on course is selected 2. Report False if 'Attendance' on course is deselected	O	Course	course.attendance	Y

8	offeredGradeLevels / gradeLevelDescriptor (array / descriptor)	<i>indicates the current grade level of the student, or the grade level(s) offered at a school.</i> 1. Report all unique grade levels found on section roster.	O	Section Roster		N
9	sectionSets (array)	1. See array for field specific logic.	O			EXT
10	mediumOfInstructionDescriptor	1. This is optional, does not report	O	N/A	N/A	N
11	sequenceOfCourse (integer)	1. This is optional, does not report	O	N/A	N/A	N
12	educationalEnvironmentDescriptor	1. This is optional, does not report	O	N/A	N/A	N
13	programs (array)	1. This is optional, does not report	O	N/A	N/A	Y
14	populationServedDescriptor (string)	1. This is optional, does not report	O	N/A	N/A	Y
15	instructionLanguageDescriptor (string)	1. This is optional, does not report	O	N/A	N/A	Y

16	courseLevelCharacteristics (array)	1. This is optional, does not report	O	N/A	N/A	Y
17	characteristics (array)	1. This is optional, does not report	O	N/A	N/A	Y
18	availableCreditTypeDescriptor (string)	1. This is optional, does not report	O	N/A	N/A	Y
19	availableCreditConversion (number)	1. This is optional, does not report	O	N/A	N/A	Y

Arrays

Section Sets

	Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Template Logic (Y/N/EXT)
1	beginDate (date)	<p><i>is the first instructional day in the current school year the data elements in the SectionSet are associated to the section.</i></p> <hr/> <p>1. Report earliest Term Start Date based on checkbox selections of section schedule placement</p>	M	Section		EXT

2	endDate (date)	<p><i>is the first day after the last instructional day in the current school year the data elements in the SectionSet were associated to the section.</i></p> <hr/> <p>1. Report Term End Date + 1 day based on checkbox selections of section schedule placement</p>	M	Section		EXT
3	spedStudentAgeRangeDescriptor (string)	<p><i>SPEDStudentAgeRange identifies the age range of Special Education students that teaching and paraprofessional staff provide services to</i></p> <hr/> <p>1. Report mapped Ed-Fi Code of SPED Student Age Range. a. If NULL, report '00'</p> <hr/> <p>"namespace": "uri://tea.texas.gov/SPEDStudentAgeRangeDescriptor"</p>	M	Section		EXT
4	populationServedDescriptor (string)	<p><i>identifies the student population for which a student has been designed or is intended. It does not necessarily identify the program eligibility of the students who receive the service.</i></p> <hr/> <p>1. Report mapped Ed-Fi Code of Population Served from Section a. If NULL, report mapped Ed-Fi Code of Population Served from Course</p>	O	Course Section		EXT

5	courseSequenceDescriptor (string)	<p><i>identifies the unique part(s) of a course when a course is taught during a single grading period or semester or across multiple grading periods or semesters.</i></p> <hr/> <p>1. Report mapped Ed-Fi Code of Course Sequence</p>	O	Course		EXT
6	nonCampusBasedInstruction Descriptor (string)	<p><i>indicates that a course was offered for class credit or student achievement, but 1) was not taught by a school district/charter school employee or a contracted teacher, or 2) was taught by a school district/charter school employee or a contracted teacher at a facility other than the campus where the student is enrolled. Examples include but are not limited to college based instruction, non-district teacher, non-campus teacher, internet based instruction, and Texas Virtual School Network (TxVSN).</i></p> <hr/> <p>1. Report mapped Ed-Fi Code of Non Campus Based Instruction Code from Section. a. If NULL, report mapped Ed-Fi Code of Non Campus Based Instruction Code from Course.</p>	O	Course Section		EXT
7	pkCurriculaDescriptor (string)	<p><i>indicates curricula used in the district's prekindergarten program serving eligible four-year-old students per TEC §29.1532(c)(7).</i></p> <hr/> <p>1. Report mapped Ed-Fi Code of PK Curricula</p>	O	Section		EXT

8	highQualityPKProgram (boolean)	<i>indicates campus/course/section participation in the High-Quality Prekindergarten Program consistent with requirements in TEC §29.167-29.171</i> <hr/> 1. If HQ PK Program Indicator = selected, report true.	O	Section		EXT
9	pkStudentInstructionDescriptor (string)	<i>indicates the prekindergarten student type of instruction.</i> <hr/> 1. Report mapped Ed-Fi Code of Student Instruction Type	O	Section		EXT
10	pkSchoolTypeDescriptor (string)	<i>indicates the type of prekindergarten program that is offered.</i> <hr/> 1. Report mapped Ed-Fi Code of PK School Type	O	Section		EXT
11	classTypeDescriptor (string)	<i>identifies the type of class providing instruction to students in particular class settings.</i> <hr/> 1. If Instructional Setting on course or section = NOT NULL, reports 02 a. If Instructional Setting = NULL, reports 01 <hr/> "namespace": uri://tea.texas.gov/ClassTypeDescriptor	O	Course Section		EXT

12	CTEHours (number)	<p><i>indicate the number of contact hours assigned to a particular section of a course.</i></p> <hr/> <p>1. Report integer value of CATE Contact Hours. a. V1 reports '1' b. V2 reports '2' c. V3 reports '3'</p>	O	Course		EXT
13	childCareOperationNumber	<p>1. This is optional, does not report</p>	O	N/A	N/A	EXT