

# Sections (Vermont v3.6)

Last Modified on 03/11/2024 8:47 am CDT

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Tool Search: Ed-Fi

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 Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a section is created and saved. <ul style="list-style-type: none"> <li>• Section Placement is required in order for the section to send.</li> <li>• One record reports for each Section and Term Type combination.</li> <li>• Does not send records when the Calendar Exclude checkbox is marked.</li> <li>• Does not send records when the course is marked inactive.</li> <li>• Does not send when the School Exclude checkbox is marked.</li> </ul>
Post	When Section Placement is changed and saved on a section.
Post	When the Local Course Number or Term type Override is changed.
Put	When any fields listed below are changed: <ul style="list-style-type: none"> <li>• When the SCED Seq Number is changed and saved on the Course editor.</li> <li>• When the Instructional Setting is changed and saved on a section.</li> <li>• When the Credit field is changed and saved on a Grading Task assigned to the course.</li> </ul>
Delete	When a section is deleted.
Delete	When Section Placement is changed or removed and saved on a section.
Delete	When the Local Course Number or Term type Override is changed.

## School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of

this object.

Action	Trigger
None	When a resource is toggled to OFF after data has sent, all sent data remains in the ODS but no new data sends.
Delete	When a resource is toggled to OFF after data has sent and an action is performed that would trigger a delete, that data remains in the ODS until a resync is done.
Resync	When a record is in the Ed-Fi Identity Mapping table and not in the ODS, it is deleted from the Ed-Fi Identity Mapping table.
Resync	When a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it is deleted from the ODS.
Resync	When a mapping is changed in Resource Preferences, a resync is needed to be done to reflect the changes.

## Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

Action	Trigger
Post/Delete	Natural Key Changes: <ul style="list-style-type: none"> <li>When the School ID changes, all data remains under the old number and a resync is needed to be completed to populate data under the new number. The delete tool would need to be used to remove all data from the old School ID.</li> </ul>
Post/Delete	When any of the following changes in the Course Offerings resource: <ul style="list-style-type: none"> <li>Local Course Code</li> <li>Session Name</li> </ul>
Post/Delete	When the natural key changes all dependent data is deleted/posted.
Dependent Resources	Staff Section Associations Student Section Associations Student Section Attendance Events Grades

## Scope Year Logic

This table describes scope year logic of this object.

### Logic

Sections report to the configured year to which they are aligned.

Data only sends for years that have valid configuration.

## Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Educational Environment Descriptor	Section Instructional Setting
Course Level Characteristic Descriptor	Course Level

## Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
sectionPlacement	Post/Put/Delete	The primary table used for sending data for this resource.
course	Put	Sequence of Course
section	Put	Educational Environment Descriptor
gradingTaskCredit	Put	Available Credits

## Object Data Elements

This table describes data elements sent within the Sections resource.

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
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Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
<b>sectionIdentifier</b>	<p>The local identifier assigned to a section.</p> <p>Reports the section ID of the section being reported.</p>	M	<p>Courses &gt; Section Information</p> <p>Section.sectionID</p>
id	The unique identifier of the resource.	M	
<b>courseOfferingReference</b>	<p>A reference to the related Course Offering resource.</p> <p>Reports the fields that are part of the Natural Key for the Course Offering resource.</p>	M	
locationReference	<p>A reference to the related Location resource.</p> <p>Reports the fields that are part of the Natural Key for the Locations resource.</p>	O	<p>Settings &gt; Rooms &gt; Name</p> <p>Room.name</p> <hr/> <p>School Information &gt; Entity ID</p> <p>School.EntityId</p>

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
<b>locationSchoolReference</b>	<p>A reference to the related School resource.</p> <p>Reports the fields that are part of the Natural Key for the School resource.</p> <p>This is optional, does not report.</p>	<p>O</p>	
<b>availableCreditConversion</b>	<p>Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.</p> <p>This is optional, does not report.</p>	<p>O</p>	
<b>availableCredits</b>	<p>Credits or units of value awarded for the completion of a course.</p> <ul style="list-style-type: none"> <li>• Sum the total number of credits from the Grading Tasks on the course.</li> <li>• Divide by the number of terms the course section occurs.</li> </ul>	<p>O</p>	<p>Grading Tasks &gt; Credit gradingTaskCredit.Credit</p>

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
availableCreditType Descriptor	<p>The type of credits or units of value awarded for the completion of a course.</p> <p>This is optional, does not report.</p>	O	
characteristics	<p>This descriptor defines characteristics of a section, such as whether attendance is taken and the section is graded.</p> <p>This is optional, does not report.</p>	O	
classPeriods	<p>The class period during which the Section meets.</p> <p>See array section for logic.</p>	O	

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
<p>courseLevel Characteristics</p>	<p>The type of specific program or designation with which the course is associated (e.g., AP, IB, Dual Credit, CTE).</p> <p>This collection should only be populated if it differs from the Course Level Characteristics identified at the Course Offering level.</p> <p>This is optional, does not report.</p>		

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
educationalEnvironment Descriptor	<p>The setting in which a child receives education and related services; for example: Center-based instruction Home-based instruction Hospital class Mainstream Residential care and treatment facility.</p> <p>Reports the Ed-Fi Code value from the mapped Instructional Setting selected on the course section being reported. When NULL, does not report.</p>	O	Section Information > Instructional Setting  section.instructionalSetting
instructionLanguage Descriptor	<p>The primary language of instruction, if omitted English is assumed.</p> <p>This is optional, does not report.</p>	O	



Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
mediumOfInstruction Descriptor	<p>The media through which teachers provide instruction to students and students and teachers communicate about instructional matters; for example: Technology-based instruction in classroom Correspondence instruction Face-to-face instruction Virtual/On-line Distance learning Center-based instruction.</p> <p>This is optional, does not report.</p>	O	
offeredGradeLevels	<p>The ID of the GradeLevel Descriptor.</p> <p>This is optional, does not report.</p>	M	

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
officialAttendancePeriod	<p>Indicator of whether this section is used for official daily attendance. Alternatively, official daily attendance may be tied to a class period.</p> <ul style="list-style-type: none"> <li>• Reports True when Attendance checkbox is marked on the Course.</li> <li>• Reports False when Attendance checkbox is NOT marked on the Course.</li> </ul>	M	Scheduling & Courses > Course Information > Section > Course Attendance

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
<p>populationServed Descriptor</p>	<p>The population for which the course was designed; for example: Bilingual students Remedial education students Gifted and talented students Career and Technical Education students Special education students.</p> <p>This is optional, does not report.</p>	<p>O</p>	

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
programs	<p>An unordered collection of sectionPrograms. 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.</p> <p>This is optional, does not report.</p>	O	

Data Element Label	Business Requirement and Rules	Mandatory, Conditional, or Operational	Location
sequenceOfCourse	<p>When a section is part of a sequence of parts for a course, the number of the sequence. When the course has only one part, the value of this section attribute should be one.</p> <p>Reports the value selected in the SCED Sequence Part N field. When blank, reports a value of 1.</p>	M	<p>Courses &gt; SCED Sequence</p> <p>Course.scedSequenceNumber</p>
etag	A unique system-generated value that identifies the version of the resource	O	

## Arrays

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