

# Sections (Missouri v3.6)

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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	<p>When a section is created and saved.</p> <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 post a record when the course's State Reporting Exclude checkbox is marked.</li> </ul>
Post	<ul style="list-style-type: none"> <li>When Section Placement is changed and saved on a section.</li> <li>When the Local Course Number or Term type Override is changed.</li> </ul>
Delete	<ul style="list-style-type: none"> <li>When a section is deleted.</li> <li>When Section Placement is changed or removed and saved on a section.</li> </ul>
Delete/Post	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
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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 needs 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 needs to be completed to populate data under the new number. The delete tool needs 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 deletes/posts.
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 send for years that have valid configuration.

# Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Instructional Setting	Educational Environment Types

# Identity Mapping Object Key

This table describes the Resource Preferences of this object.

Campus Object Key	Object Key Data Source
SectionPlacement	sectionID-termID

# Event Queue Detail

This table describes the Event Queue Detail of this object.

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

# Object Data Elements

This table describes data elements sent within the Sections resource.

Data Element Label	Business Requirements and Rules	M, C or O	Data Source GUI Path Database Field
<b>id</b>	The unique identifier of the resource.	M	

Data Element Label	Business Requirements and Rules	M, C or O	Data Source GUI Path Database Field
<b>sectionIdentifier</b>	<p>The local identifier assigned to a section.</p> <p>Reports the Section ID number.</p>	M	<p>Course &gt; Section</p> <p>section.sectionID</p>
<b>courseOfferingReference</b>	<p>A reference to the related CourseOffering resource.</p> <p>Reports the fields that are part of the Natural Key for the Course Offering resource. The School ID is the reporting District ID number. The Local Course Code is the Course Number. The School Year is the end year of the reported calendar. The sessions name is the Term Descriptor.</p>	M	
offeredGradeLevels	<p>An unordered collection of sectionOfferedGradeLevels. The grade levels in which the section is offered. This collection should only be populated if it differs from the Offered Grade Levels identified at the Course Offering level.</p> <p>See the <a href="#">Arrays</a> section below.</p>	O	

## Arrays

- ▶ [Click here to expand...](#)

Data Element	Business Requirements and Rules	M, C, or O	Database Field

Data Element	Business Requirements and Rules	M, C, or O	Database Field
gradeLevelDescriptor	<p>Grade level at which curriculum for the specific course is designed to be taught. Grade level should reflect the grade at which the course curriculum is meant to be offered; not necessarily describe the students in the classroom.</p> <p>Reports the grade level.</p>	M	Course > Course Editor > Grade

## Type/Descriptor

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Ed-Fi Code	Ed-Fi Description	Namespace	Ed-Fi Short Description
1	First Grade	uri://dese.mo.gov/GradeLevelDescriptor	First Grade
2	Second Grade	uri://dese.mo.gov/GradeLevelDescriptor	Second Grade
3	Third Grade	uri://dese.mo.gov/GradeLevelDescriptor	Third Grade
4	Fourth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Fourth Grade
5	Fifth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Fifth Grade
6	Sixth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Sixth Grade
7	Seventh Grade	uri://dese.mo.gov/GradeLevelDescriptor	Seventh Grade
8	Eighth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Eighth Grade
9	Ninth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Ninth Grade
10	Tenth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Tenth Grade
11	Eleventh Grade	uri://dese.mo.gov/GradeLevelDescriptor	Eleventh Grade
12	Twelfth Grade	uri://dese.mo.gov/GradeLevelDescriptor	Twelfth Grade
K	Kindergarten	uri://dese.mo.gov/GradeLevelDescriptor	Kindergarten
KA	Kindergarten AM	uri://dese.mo.gov/GradeLevelDescriptor	Kindergarten AM
KP	Kindergarten PM	uri://dese.mo.gov/GradeLevelDescriptor	Kindergarten PM
PK	Pre-Kindergarten	uri://dese.mo.gov/GradeLevelDescriptor	Pre-Kindergarten

<b>Ed-Fi Code</b>	<b>Ed-Fi Description</b>	<b>Namespace</b>	<b>Ed-Fi Short Description</b>
PKA	Pre-Kindergarten AM	uri://dese.mo.gov/GradeLevelDescriptor	Pre-Kindergarten AM
PKP	Pre-Kindergarten PM	uri://dese.mo.gov/GradeLevelDescriptor	Pre-Kindergarten PM