# Sections (Core v3.X)

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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. <br> • Section Placement is required in order for the section to send. <br> • 1 record will report for each Section and Term Type combination. <br> • Do not send records if the Calendar Exclude check box is checked. <br> • Do not send records if the course is marked inactive or State Exclude. <br> • Do not send if the School Exclude check box is checked. |
| 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: <br> • When the local course name or SCED Seq Number is changed and saved on the Course editor. <br> • When the Instructional Setting is changed and saved on a section. <br> • When the Credit field is changed and saved on a Grading Task assigned to the course. |
| Delete | When a section is deleted. |
| Delete | When Section Placement is changed or removed and saved on a section. |
| 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 |
| --- | --- |
| None | If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send. |
| Delete | If a resource is toggled to 'OFF" after data has sent and an action is performed that would trigger a delete, that data will remain in the ODS until a resync is done. |
| Resync | If a record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table. |
| Resync | If a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS. |
| Resync | If a mapping is changed in Resource Preferences, a resync will need 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:<br>• If the School ID changes, all data will remain under the old number and a resync will need 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. |
| Post/Delete | If any of the following changes in the Course Offerings resource:<br>• Local Course Code<br>• Session Name |
| Post/Delete | If the natural key changes all dependent data will delete/post. |
| 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 will report to the configured year to which they are aligned. |
| Data will 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<br>Sequence of Course |

| Campus Table | Ed-Fi Action | Fields |
|---|---|---|
| gradingTaskCredit | Put | Available Credits |

## Object Data Elements

This table describes data elements sent within the Sections resource.

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|---|---|---|---|---|---|
| **id** | The unique identifier of the resource. | | M | | |
| **sectionIdentifier** | The local identifier assigned to a section. | 1. Reports the section ID of the section being reported. | M | Course > Section | section.sectionID |
| **courseOfferingReference** | A reference to the related CourseOffering resource. | 1. Reports the fields that are part of the Natural Key for the Course Offering resource. | M | | |
| locationReference | A reference to the related Location resource. | 1. Reports the fields that are part of the Natural Key for the Locations resource. | O | | |
| **locationSchoolReference** | A reference to the related School resource. | 1. Reports the fields that are part of the Natural Key for the School resource. | M | | |
| availableCreditConversion | Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units. | 1. This is optional, does not report. | O | | |

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|---|---|---|---|---|---|
| availableCredits | Credits or units of value awarded for the completion of a course. | 1. Sum the total number of credits from the Grading Tasks on the course.<br>2. Divide by the number of terms the course section occurs. | O | Course> Grading Tasks> Credit | gradingTaskCredit.Cr |
| availableCreditTypeDescriptor | The type of credits or units of value awarded for the completion of a course. | 1. This is optional, does not report. | O | | |
| characteristics | This descriptor defines characteristics of a section, such as whether attendance is taken and the section is graded. | 1. This is optional, does not report. | O | | |
| classPeriods | The class period during which the Section meets. | 1. See array section for logic. | O | | |
| courseLevelCharacteristics | he type of specific program or designation with which the section is associated (e.g., AP, IB, Dual Credit, CTE). This collection should only be populated if it differs from the Course Level Characteristics identified at the Course Offering level. | 1. This is optional, does not report. | O | | |

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|---|---|---|---|---|---|
| educationalEnvironmentDescriptor | 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. | 1. Report the Ed-Fi Code value from the mapped Instructional Setting selected on the course section being reported. 2. If NULL, do not report. | O | Course > Section > Instructional Setting | section.instructionalS |
| instructionLanguageDescriptor | The primary language of instruction, if omitted English is assumed. | 1. This is optional, does not report. | O | | |
| mediumOfInstructionDescriptor | 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. | 1. This is optional, does not report. | O | | |
| offeredGradeLevels | 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. | 1. This is optional, does not report. | O | | |

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|---|---|---|---|---|---|
| officialAttendancePeriod | Indicator of whether this section is used for official daily attendance. Alternatively, official daily attendance may be tied to a class period. | 1. Report True if 'Attendance' on course is checked.<br>2. Report False if 'Attendance' on course is not checked. | M | Scheduling > Course/Section > Course > Attendance | course.Attendance |
| populationServedDescriptor | 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. | 1. This is optional, does not report. | O | | |
| programs | 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. | 1. This is optional, does not report. | O | | |

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|---|---|---|---|---|---|
| sequenceOfCourse | When a section is part of a sequence of parts for a course, the number if the sequence. If the course has only onle part, the value of this section attribute should be 1. | 1. Report the value selected in the SCED Sequence "Part n" field. 2. If NULL, report '1'. | M | | |
| etag | A unique system-generated value that identifies the version of the resource. | 1. This is optional, does not report. | O | | |

## Arrays

▸ Click here to expand...

## Class Periods

| Data Element Label | Business Requirement | Business Rules | M, C or O | Data Source GUI Path | Database Field |
|---|---|---|---|---|---|
| classPeriodReference | Reports the natural key of the Class Periods resource. | | M | | |

## Type/Descriptor

▸ Click here to expand...

**Educational Environment Descriptors**

| Code Value | Ddescription | Namespace | Short Description |
|---|---|---|---|
| Hospital class | Hospital class | uri://ed-fi.org/EducationalEnvironmentDescriptor | Hospital class |
| Laboratory | Laboratory | uri://ed-fi.org/EducationalEnvironmentDescriptor | Laboratory |
| Pull-out class | Pull-out class | uri://ed-fi.org/EducationalEnvironmentDescriptor | Pull-out class |
| Self-contained (Special Education) | Self-contained (Special Education) | uri://ed-fi.org/EducationalEnvironmentDescriptor | Self-contained (Special Education) |
| Off-school center | Off-school center | uri://ed-fi.org/EducationalEnvironmentDescriptor | Off-school center |

| Code Value | Ddescription | Namespace | Short Description |
|---|---|---|---|
| Shop | Shop | uri://ed-fi.org/EducationalEnvironmentDescriptor | Shop |
| Resource room | Resource room | uri://ed-fi.org/EducationalEnvironmentDescriptor | Resource room |
| Self-study | Self-study | uri://ed-fi.org/EducationalEnvironmentDescriptor | Self-study |
| Homebound | Homebound | uri://ed-fi.org/EducationalEnvironmentDescriptor | Homebound |
| Single sex classroom | Single sex classroom | uri://ed-fi.org/EducationalEnvironmentDescriptor | Single sex classroom |
| Classroom | Classroom | uri://ed-fi.org/EducationalEnvironmentDescriptor | Classroom |
| Mainstream (Special Education) | Mainstream (Special Education) | uri://ed-fi.org/EducationalEnvironmentDescriptor | Mainstream (Special Education) |
| In-school suspension | In-school suspension | uri://ed-fi.org/EducationalEnvironmentDescriptor | In-school suspension |