

MN v3.3 - Sections

Last Modified on 04/30/2024 1:32 pm CDT

[Object Triggering Logic](#) | [School Exclude, Calendar Exclude, Resource Toggle and Resync Logic](#) | [Natural Key Changes, Cascading Updates, and Deletes Logic](#) | [Scope Year Logic](#) | [Resource Preferences](#) | [Event Queue Detail](#) | [Object Data Elements](#) | [Type/Descriptor](#) | [Resource Preferences Continued](#)

Classic View: System Administration > Ed-Fi

Search Terms: 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"> 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 State Exclude. 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: <ul style="list-style-type: none"> When the local course name or SCED Seq Number is changed and saved on the Course editor. When the Instructional Setting is changed and saved on a section. 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	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.

Action	Trigger
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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Local Course Code 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

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.

Campus Table	Ed-Fi Action	Fields
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 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.	Reports the section ID of the section being reported.	M	Course > Section	section.sectionID
courseOffering Reference	A reference to the related CourseOffering resource.	Reports the fields that are part of the Natural Key for the Course Offering resource.	M		
locationReference	A reference to the related Location resource.	This is optional, does not report.	O		
locationSchool Reference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the School resource.	M		
availableCredit Conversion	Conversion factor that when multiplied by the number of credits is equivalent to Carnegie units.	This is optional, does not report.	O		
availableCredits	Credits or units of value awarded for the completion of a course.	This is optional, does not report.	O	Course> Grading Tasks> Credit	gradingTaskCred Credit
availableCredit TypeDescriptor	The type of credits or units of value awarded for the completion of a course.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
characteristics	Reflects important characteristics of the Section, such as whether the Section is graded.	<ol style="list-style-type: none"> Report 'MA' (markingIndicator) if a grading task exists on the course that is mapped to an Ed-Fi Grade Descriptor of 'FG: Final Grade' <ol style="list-style-type: none"> Do not report if Course Level = 'P' or 'N' Otherwise do NOT report the indicator Report 'FP' (fixed period) if the section is scheduled into a period in Section Schedule Placement <ol style="list-style-type: none"> Do not report if Section Enrollment Type != SC Report 'VI' (virtual indicator) if "Online Learning (Override)" on Section is not GD and not null <ol style="list-style-type: none"> Report 'VI' (virtual indicator) if "Online Learning" on Course is not GD and not null Do not report if Section Enrollment Type != SC 	M	Course > Grading Task > Score Group > State Score Course > Online Learning Course > Section > Online Learning (Override)	string
classPeriods	The class period during which the Section meets.	This is optional, does not report.	O		

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
courseLevel Characteristics	The 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.	This is optional, does not report.	O		
classPeriods	<p>An unordered collection of sectionClassPeriods. The class period during which the Section meets.</p> <p>classPeriodReference</p> <ul style="list-style-type: none"> classPeriodName schoolId 	<p>classPeriodname:</p> <ol style="list-style-type: none"> Report the Period Schedule Name + Period Name + Schedule Structure ID. <ul style="list-style-type: none"> Report a space between each value. <p>schoolId:</p> <ol style="list-style-type: none"> Reports the fields that are part of the Natural Key for the Schools resource. 	M	<p>classPeriodname: System Administration> Calendar> Calendar> Periods</p> <p>schoolId: System Administration> Calendar> Calendar> Schedule Structure</p> <p>System Administration > Resources > School > State School Number</p>	<p>periodschedule.name</p> <p>period.name schedulestructureID</p> <p>school.number</p>
educational Environment Descriptor	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.	This is optional, does not report.	O	Course > Section > Instructional Setting	section.instructional Setting

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
instruction Language Descriptor	The primary language of instruction, if omitted English is assumed.	<p>Report the Language from the Instruction Language saved on the Course record.</p> <ol style="list-style-type: none"> 1. Look for a mapping saved to the Language Descriptor Override section in preferences. If there is a mapped value, report that mapping. 2. If an override is not there, look to see if the language standard code matches an Ed-Fi code, if yes report that value 3. Report default value if saved on the Attribute and the standard code matches an Ed-Fi code 4. Else, report NULL 	C	Course > Instruction Language	Course.instructionLanguage / CustomCourse.value
mediumOf Instruction Descriptor	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.	<ol style="list-style-type: none"> 1. Report the mapped value, if it exists. 2. Otherwise do not report. 	M	Course > Instruction Method / EE Location	Course.teachingMethod

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI Path	Database Field
instructional DeliveryMode Descriptor	The delivery mode of instruction. E.g, On-ground, Online, etc.	<ol style="list-style-type: none"> 1. If Section > "Online Learning" <> NULL, Report the mapped value, if it exists. 2. If Section > "Online Learning" is either NULL or unmapped, check to see if Course > "Online Learning" <> NULL, and if so, report the mapped value if it exists . <ul style="list-style-type: none"> ◦ Otherwise do not report. 	C	Course > Online Learning Section > Online Learning	Course.distanceCode/Section.distanceCode
offeredGrade Levels	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.	<ol style="list-style-type: none"> 1. This is optional, does not report. 	O		
population Served Descriptor	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.	<ol style="list-style-type: none"> 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
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		
sequenceOf Course	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		

Type/Descriptor

► [Click here to expand...](#)

Resource Preferences Continued

The Ed-Fi Configuration tool is used to establish Ed-Fi data resources.

The following describes how to set the resource preferences for the Sections resource.

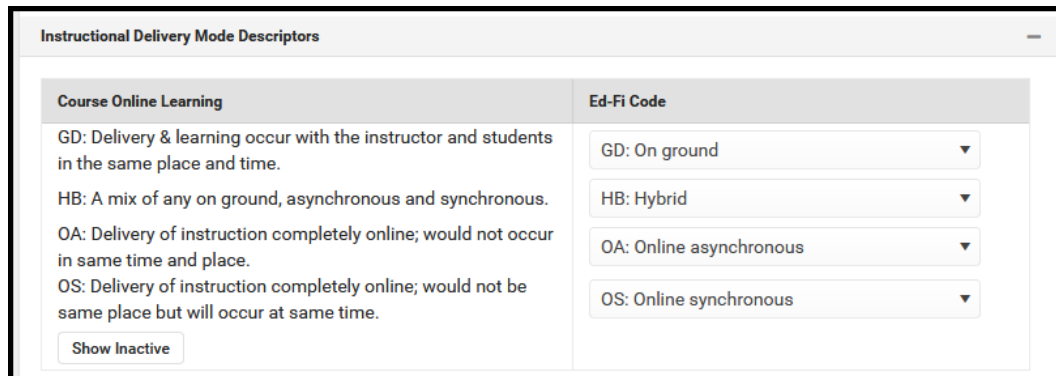
If a mapping is changed, a resync must be performed on the resource in order for the new mappings to send correctly.

1. Select the appropriate **Ed-Fi Code** for the Instructional Delivery Mode Descriptors. The **Show Inactive** button can be used to show Instructional Delivery Mode Descriptors that are not active.

Any item not mapped will not report to Ed-Fi.

Course Online Learning

Attribute Dictionary System Administration > Custom > Attribute Dictionary > Course > Online Learning
 UI Location Scheduling > Courses > Online Learning



Course Online Learning	Ed-Fi Code
GD: Delivery & learning occur with the instructor and students in the same place and time.	GD: On ground ▼
HB: A mix of any on ground, asynchronous and synchronous.	HB: Hybrid ▼
OA: Delivery of instruction completely online; would not occur in same time and place.	OA: Online asynchronous ▼
OS: Delivery of instruction completely online; would not be same place but will occur at same time.	OS: Online synchronous ▼

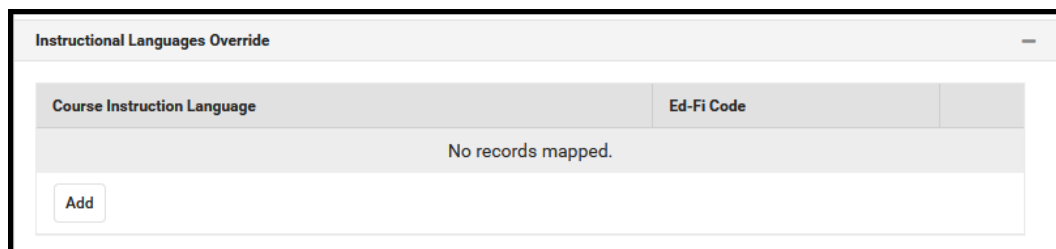
Show Inactive

2. Select a Instructional Language Override if necessary.

The Instructional Language Override mapping only needs to be populated if the code does not match a code that is in the Ed-Fi Code list.

Instructional Language Overrides

UI Location Scheduling > Courses > Instruction Language



Course Instruction Language	Ed-Fi Code
No records mapped.	

Add

3. Select the appropriate **Ed-Fi Code** for the Medium of Instruction Descriptors. The **Show Inactive** button can be used to show Medium of Instruction Descriptors that are not active.

Course Instruction Method / EE Location

Attribute Dictionary System Administration > Custom > Attribute Dictionary > Course > Instruction Method
 UI Location Scheduling > Courses > Instruction Method / EE Location

Medium of Instruction Descriptors

Course Instruction Method / EE Location	Ed-Fi Code
CR: Classroom	CR: Classroom
CP: Computer Program	CP: Computer
ITVS: ITV Sending	ITVS: ITVSend
ITVR: ITV Receiving	ITVR: ITVRecv
BH: Blended/Hybrid	BH: Blended
G: Guided	G: Guided
CO: Completely Online	CO: Online
O: Other	O: Other
CS: Classroom Self-Contained	CS: Classroom_Self
CT: Classroom Team	CT: Classroom_Team
CC: Classroom Collaborative	CC: Classroom_Coll
CL: Classroom Looped	CL: Classroom_Loop
DL: Distance Learning (other than online)	DL: Distance Learning
EE: Early Education	EE: EarlyEduc
HOM: (EE) Child's home	
ISD: (EE) School District	
CCC: (EE) child care center	
FCC: (EE) Family child care home	
P: (EE) Preschool (Community based)	
MED: (EE) Hospital or Medical Facility	
OTHR: (EE) Not listed above.	O: Other

Show Inactive

4. Click **Save**.