

# Wyoming Ed-Fi Data

Last Modified on 03/19/2024 8:53 am CDT

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Tool Search: Ed-Fi

This article defines all of the elements of data sent per entity between Campus and the Ed-Fi system.

- Future data is suppressed when syncing data from Campus to Ed-Fi. Only past and present data is synced.
- Data in calendars marked as Exclude will not send data to Ed-Fi.
- Person-related records do not trigger a send of data to Ed-Fi if the person does not have an Ed-Fi ID value assigned.
- Ed-Fi ignores custom field data entered in Campus.

See the following articles for more information about setting up Ed-Fi within Campus:

- [Wyoming Ed-Fi Setup Checklist](#)
- [Ed-Fi v2.0 - Ed-Fi Connection Configuration Tool - Set Resource Preferences](#)
- [Ed-Fi Configuration Tool - Configure Ed-Fi Connection](#)

An entity is a collection of related data which is sent in a cluster of data elements from Campus to Ed-Fi. Select the following links to view what data elements are contained and sent within that entity:

- [Calendar Dates](#)
- [Class Periods](#)
- [Cohorts](#)
- [Course Offering](#)
- [Course Transcripts](#)
- [Course](#)
- [Discipline Action](#)
- [Discipline Incident](#)
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- [Staff Education Organization Assignment Association](#)

- Staff Education Organization Employment Association
- Staff Education Organization Identity Associations
- Staff
- Staff School Association
- Student Academic Record
- Student Cohort Association
- Student CTE Program Association
- Student Discipline Incident Association
- Student Parent Association
- Student Program Associations
- Student School Association
- Student School Attendance Event
- Student Section Association
- Student Section Attendance Event
- Student
- Student Special Education Program Association
- Student Title 1 Part A Program Association

## Understand Object Triggering Tables

The Object Triggering Logic Tables describe what actions within Campus result in data being triggered to sync to Ed-Fi.

**Object Triggering Logic**  
[Click here to expand...](#)

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a section is created and saved with a Room Number and Section Placement. <div style="border: 1px solid gray; padding: 5px; margin-top: 5px;"> <p><b>i</b></p> <ul style="list-style-type: none"> <li>• Room is required</li> <li>• Section Placement must be selected for the Term Type in order for data to send</li> <li>• If course is marked Inactive or State Exclude, data is not sent</li> </ul> </div>
Put	When Course information is changed and saved.
Delete	When a section is deleted.
Delete	When a section schedule placement is removed and saved.

Image 1: Example of an Object Triggering Logic Table

The following table lists the definition of each potential Action:

Action	Definition
Post	This will insert new records and data within Ed-Fi.
Put	This action will update existing information within Ed-Fi.

Action	Definition
<b>Get</b>	This action is used for items that are pre-loaded by ADE. For example, Courses and Programs.
<b>Delete</b>	This will delete records and data within Ed-Fi.

# Understand Object Data Element Tables

The Object Data Element tables describe all of the elements contained within a reporting entity. Each element is given a description of what it is and any potential logic used to calculate the element, if the element is mandatory for reporting to Ed-Fi (indicated by an M), where the data is pulled from the Campus database and where the pulled information is entered within the Campus UI.

Elements marked as **M** are mandatory elements which must report data to Ed-Fi in order to meet reporting requirements. Elements marked as **O** are optional elements which are not mandatory for the Ed-Fi requirement but can be populated and report data for additional state-specific reporting purposes. Elements listed as **C** are conditional elements which are not required to report but will report data if the data is present within Campus.

This column will indicate if the element is Mandatory, Optional or Conditional.

**Object Data Elements**  
 Click here to expand...

This table describes data elements sent within the Course Offering resource.

Data Element	Description		Campus Database Field	Campus GUI Location
id	The unique identifier of the resource.	M	N/A	N/A
courseReference	Reports the following elements that are part of the Natural Key for the <a href="#">Course resource</a> : <ul style="list-style-type: none"> <li>educationOrganizationReference</li> <li>code</li> </ul>	M	N/A	N/A
schoolReference	Reports the following elements that are part of the Natural Key for the <a href="#">Schools resource</a> : <ul style="list-style-type: none"> <li>schoolId</li> </ul>	M	N/A	N/A
sessionReference	Reports the following elements that are part of the Natural Key for the <a href="#">Sessions resource</a> : <ul style="list-style-type: none"> <li>id</li> <li>schoolReference</li> <li>schoolYearTypeReference</li> </ul>	M	N/A	N/A
localCourseCode	The local code assigned by the LEA or Campus that identifies the organization of subject matter and related learning experiences provided for the instruction of students.	M	Course.number	Scheduling > Course > Number

Image 2: Example of a Object Data Elements Table

# UnderstandType/Descriptor Tables

The Type/Descriptor section describes each element and their corresponding Campus to Ed-Fi value translation that is occurring.

If the element is reporting a **Descriptor**, the **Ed-Fi Code Value** is reported.

If the element is reporting a **Type**, the **Ed-Fi Short Description** is reported.

**Type/Description**  
Expand

This table describes the Ed-Fi Value mapped and reported for **Session Type Descriptor**:

Number of Terms in Term Schedule	Ed-Fi Code Value	Ed-Fi Short Description	Ed-Fi Description
1	FS	Full School Year	Full School Year
2	SE	Semester	Semester
3	TR	Trimester	Trimester
4	QR	Quarter	Quarter
5	QN	Quinmester	Quinmester
Any other number of terms not = to one above	XX	Other	Other

Each Type/Descriptor table indicates the mapping used to translate a Campus value to the appropriate Ed-Fi value.

Elements which require a Type/Descriptor table to explain this translation will indicate this need in the description.

Session Type Descriptor	<p>This element reports the Ed-Fi Code value based on the mapping provided in the <b>Session Type Descriptor</b> mapping provided below:</p> <ul style="list-style-type: none"> <li>Report the corresponding Term Type based on the sum of total terms in the term schedule. For example, if 4 terms are created in a Term schedule, a value of Quarter is reported.]</li> </ul> <p>This element reports the following additional information:</p>	O		
id	The unique identifier of the resource	N/A	N/A	

Image 3: Example of a Type/Descriptor Table

## Entities and Elements

The following lists all the currently available and syncing entities and their respective elements.

### Calendar Dates

This entity represents a day in the school calendar.

#### Object Triggering Logic

▶ [Click here to expand...](#)

#### Scope Year Logic

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Class Periods**

This entity represents the designation of a regularly scheduled series of class meetings at designated times and days of the week.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

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## **Cohorts**

This entity represents the physical space where students gather for a particular class/section. The location may be an indoor or outdoor area designated for the purpose of meeting the educational needs of students.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Course Offering**

This entity represents an offering of a course by school during a session, representing the course

catalog of available courses.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

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## **Course Transcripts**

This entity is the final record of a student's performance in their courses at the end of a semester or school year.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Course**

This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

## Type/Descriptor

▶ [Click here to expand...](#)

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# Discipline Action

This event entity represents actions taken by an education organization after a disruptive event that is recorded as a discipline incident.

## Object Triggering Logic

▶ [Click here to expand...](#)

## Scope Year Logic

▶ [Click here to expand...](#)

## Object Data Elements

▶ [Click here to expand...](#)

## Type/Descriptor

▶ [Click here to expand...](#)

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# Discipline Incident

This event entity represents an occurrence of an infraction ranging from a minor behavioral problem that disrupts the orderly functioning of a school or classroom (such as tardiness) to a criminal act that results in the involvement of a law enforcement official (such as robbery).

A single event (e.g., a fight) is one incident regardless of how many perpetrators or victims are involved. Discipline incidents are events classified as warranting discipline action.

## Object Triggering Logic

▶ [Click here to expand...](#)

## Scope Year Logic

▶ [Click here to expand...](#)

## Object Data Elements

▶ [Click here to expand...](#)

## Type/Descriptor

▶ [Click here to expand...](#)

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## Grade

This educational entity represents an overall score or assessment tied to a course over a period of time (i.e., the grading period). Student grades are usually a compilation of marks and other scores.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Grading Periods

This entity represents the time span for which grades are reported. Quarter, Semester, Final, etc. The Start and End dates must have an calendar event in the Calendar Dates resource before Grading Periods can send. User needs to perform a day reset prior to filling out Grading Periods tab.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)



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## Graduation Plan

This entity is a plan outlining the required credits, credits by subject, credits by course, and other criteria required for graduation. A graduation plan may be one or more standard plans defined by an education organization and/or individual plans for some or all students.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Locations

This entity represents the physical space where students gather for a particular class/section. The location may be an indoor or outdoor area designated for the purpose of meeting the educational needs of students.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

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## Parents

This entity represents a parent or guardian of a student, such as mother, father or caretaker.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor Layout

▶ [Click here to expand...](#)

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## Programs

This entity represents any program designed to work in conjunction with, or as a supplement to, the main academic program. Programs may provide instruction, training, services or benefits through federal, state or local agencies. Programs may also include organized extracurricular activities for students.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

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## Section

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.

This entity reports per section per term type combination.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

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## **Sessions**

This entity represents the prescribed span of time when an education institution is open, instruction is provided and students are under the direction and guidance of teachers and/or education institution administration. A session may be interrupted by one or more vacations.

In order to report properly, the Ed-Fi Term Type field needs to be populated on the Calendar Term Detail editor. This ties the Course Section to the Term. If the Course Section needs to use a different term type, the Ed-Fi Term Type Override field needs to be populated on the Course Section Editor.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Staff Cohort Association**

This association indicates the Staff associated with a cohort of students.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

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## **Staff Education Organization Assignment Association**

This association indicates the education organization to which a staff member provides services; also known as school of service.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Staff Education Organization Employment Association**

This association indicates the education organization an employee, contractor, volunteer or other service provider is formally associated with typically indicated by which organization the staff member has a services contract with or receives compensation from.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## Staff Education Organization Identity Associations

This entity represents an individual who performs specified activities for any public or private education institution or agency that provides instructional and/or support services to students or staff at the early childhood level through high school completion.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

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## Staff

This entity represents an individual who performs specified activities for any public or private education institution or agency that provides instructional and/or support services to students or staff at the early childhood level through high school completion.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Staff School Association

This association indicates the school(s) to which a teacher provides instructional services.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Student Academic Record

This educational entity represents the cumulative record of academic achievement for a student.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Student Cohort Association

This entity represents any type of list of designated students for tracking, analysis, or intervention.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

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## **Student CTE Program Association**

This association represents the CTE program(s) that a student participates in or from which the student receives services.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Student Discipline Incident Association**

This event entity represents an occurrence of an infraction ranging from a minor behavioral problem that disrupts the orderly functioning of a school or classroom (such as tardiness) to a criminal act that results in the involvement of a law enforcement official (such as robbery).

A single event (e.g., a fight) is one incident regardless of how many perpetrators or victims are involved. Discipline incidents are events classified as warranting discipline action.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

**Type/Descriptor**

▶ [Click here to expand...](#)

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## Student Parent Association

This association relates students to their parents, guardians or caretakers.

**Object Triggering Logic**

▶ [Click here to expand...](#)

**Scope Year Logic**

▶ [Click here to expand...](#)

**Object Data Elements**

▶ [Click here to expand...](#)

**Type/Descriptor**

▶ [Click here to expand...](#)

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## Student Program Association

This educational entity represents the organization of subject matter and related learning experiences provided for the instruction of students on a regular or systematic basis.

**Object Triggering Logic**

▶ [Click here to expand...](#)

**Scope Year Logic**

▶ [Click here to expand...](#)

**Object Data Elements**

▶ [Click here to expand...](#)

**Type/Descriptor**

▶ [Click here to expand...](#)

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## Student School Association

This association represents the school in which a student is enrolled.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Student School Attendance Event

This event entity represents the recording of whether a student is in attendance on a daily basis at their school.

### Object Triggering Logic

▶ [Click here to expand...](#)

### Scope Year Logic

▶ [Click here to expand...](#)

### Object Data Elements

▶ [Click here to expand...](#)

### Type/Descriptor

▶ [Click here to expand...](#)

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## Student Section Association

This association indicates the course sections to which a student is assigned.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

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## **Student Section Attendance Event**

This event entity represents the recording of whether a student is in attendance for a class.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Student**

Provide a summary of what the report/function will cover and the logistics around the data collection or reporting.

The Student Resource is a shared record among all districts. If two districts have the same student in the same year, the last district to trigger data to Ed-Fi is the data stored in Ed-Fi.

For example, if one district put in a first name of "Robert" and the second district put in a first name of "Rob", the last district to update the student record is what will appear in Ed-Fi and on both District's reports. This is true for all field logic in the Student Resource.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Student Special Education Program Association**

This resource reports the Special Education data for a student.

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

### **Object Data Elements**

▶ [Click here to expand...](#)

### **Type/Descriptor**

▶ [Click here to expand...](#)

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## **Student Title 1 Part A Program Association**

This resource represents the Title I Part A program(s) that a student participates in or from which the student receives services

### **Object Triggering Logic**

▶ [Click here to expand...](#)

### **Scope Year Logic**

▶ [Click here to expand...](#)

## Object Data Elements

▶ [Click here to expand...](#)

## Type/Descriptor

▶ [Click here to expand...](#)

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# Additional Logic and Considerations

The following describes additional logic and considerations to be aware of when working with Ed-Fi.

<b>Attendance</b>	Only attendance that is “verified” will send to Ed-Fi. Unknown records marked by a teacher will not send. Negative attendance will send when it is given an excuse code.
<b>No Show/Excludes</b>	If the State Exclude or No Show buttons are marked or unmarked on an enrollment the record, they will be deleted/added from Ed-Fi.
<b>Required Fields</b>	The Room number on the Section editor will become required once Ed-Fi is enabled. This data is required for the section data to send to Ed-Fi. Do a check on all course sections prior to doing a resynch on the Schedule Data to verify all sections have a Room number.

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