

# Michigan Ed-Fi Data v3.1 - Class Periods

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Tool Search: Ed-Fi

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

## Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a Period Schedule is created and saved. <ul style="list-style-type: none"> <li>A separate record will be sent for each Period Schedule/Period Name/Schedule Structure ID combination created.</li> <li>Do not send records if the Calendar Exclude check box is checked.</li> <li>Do not send a record if the School Exclude checkbox is checked.</li> </ul>
Put	When any field not part of the Natural Key is changed: <ul style="list-style-type: none"> <li>Period Start</li> <li>Period End</li> </ul>
Delete	When a Period Schedule or Period Name is updated and saved.
Delete/Post	When a Period Schedule or Period is deleted.

## 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
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Action	Trigger
Delete/Post	If any of the following changes in the Schools resource: <ul style="list-style-type: none"> <li>If the School Number/Ed-Fi School Number changes, a delete/post will occur with the cascading deletes from the School ID change triggers.</li> </ul>
Delete/Post	If Period Schedule Name or Period Name Changes.
Dependent Resources	There is not a cascading delete option in Class Periods because all dependent data in Campus would need to be removed before a Class Period could be deleted from the Period Schedule. Section, Student Section Associations, Staff Section Associations, Grades, Student Section Attendance Events

## Scope Year Logic

This table describes scope year logic of this object.

Logic
Class Periods will only send for the school year to which they are aligned. <ul style="list-style-type: none"> <li>Data will only send for years that have valid configuration.</li> </ul>

## Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.

campusObjectType	Object Key Data Source
Period	periodID

## Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
periodschedule	Post/Put/Delete	The primary tables used for sending data for this resource.
period	Post/Put/Delete	The primary tables used for sending data for this resource.

## Error Log

Error	Possible Causes/How to Fix
409: Failed to delete classPeriods resource. [message:The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the 'sectionClassPeriod' entity.]	There are dependent resources in the Ed-Fi ODS so the Class Period record cannot be deleted. Use the delete tool to remove any dependent data before the course can be removed.

## Object Data Elements

This table describes data elements sent within the Class Periods resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI	Database Field
id	The unique identifier of the resource.		M		
<b>classPeriodName</b>	An indication of the portion of a typical daily session in which students receive instruction in a specified subject (e.g., morning, sixth period, block period, or AB schedules).	1. Report the Period Schedule Name + Period Name + Schedule Structure ID. 1. Report a space between each value.	M	System Administration> Calendar> Calendar> Periods  System Administration> Calendar> Calendar> Schedule Structure	periodschedule.name + period.name + schedulestructure.structureID
<b>schoolReference</b>	A reference to the related School resource.	1. Reports the fields that are part of the Natural Key for the Schools resource.	M	System Administration> Resources> School> State School Number	school.number

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI	Database Field
meetingTimes	The meeting time(s) for a class period.	<ol style="list-style-type: none"> <li>Report if the Period being reported has both a start and end time populated. <ul style="list-style-type: none"> <li>If blank or one is not populated, do not report.</li> </ul> </li> <li>See Array section below for logic.</li> </ol>	O		
officialAttendance Period	Indicator of whether this class period is used for official daily attendance.	<ol style="list-style-type: none"> <li>Field is optional, does not report.</li> </ol>	O		

## Arrays

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### Meetings Times

Data Element Label	Business Requirement	Business Rules	M, C or O	Data Source GUI	Database Field
endTime	An indication of the time of day the meeting time ends.	<ol style="list-style-type: none"> <li>Report the end time of the period being reported.</li> </ol>	M	System Administration> Calendar> Calendar> Periods	period.endTime
startTime	An indication of the time of day the meeting time begins.	<ol style="list-style-type: none"> <li>Report the start time of the period being reported.</li> </ol>	M	System Administration> Calendar> Calendar> Periods	period.startTime