



# TN Ed-Fi Suite 3 API v6.2 Data Standard v4.0: Bell Schedules

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## TN Ed-Fi Suite 3 API v6.2 Data Standard v4.0: Bell Schedules

### Summary

This entity represents the schedule of class period meeting times.

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### Object Triggering

Action	Business Rule(s)
Post	<p>When a Period Schedule is created and saved</p> <ul style="list-style-type: none"><li>• A separate record will be sent for each Period Schedule/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	<p>When any field not part of the Natural Key is changed</p> <ul style="list-style-type: none"><li>• Period Name</li><li>• If the Period Schedule is added or removed to a day on the Days tab</li><li>• If a Grade Level that is mapped to an Ed-Fi code is added/removed from the Schedule Structure</li><li>• If the Instructional Day checkbox is added/removed</li></ul>
Delete/Post	<p>When any field part of the natural key is changed</p> <ul style="list-style-type: none"><li>• Period Schedule Name</li></ul>
Delete	<p>When all Periods in a Period Schedule are deleted or the Period Schedule is deleted</p>

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### Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Schools (Preloaded)
  - Class Periods
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#### Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A
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#### Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix

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## Object Data Elements

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.
- The Uses Core Template Rules column indicates if the element uses Infinite Campus Core Ed-Fi rules, has been Localized using DOE rules, or the element has been added by a DOE as an Extended Element.

	<b>Data Element Label</b>	<b>Business Rule(s)</b>	<b>Mandatory/ Conditional/ Optional</b>	<b>Tool Path</b>	<b>Database Field</b>	<b>Uses Core Template Rules (Y/N/EXT)</b>
1	<b>bellScheduleName</b> (string)	<i>Name or title of the Bell Schedule.</i> <hr/> 1. Report the Period Schedule Name + Schedule Structure ID a. Report a space between each value	M	Periods	period.name  periodSchedule.name  scheduleStructure.structureID	Y
2	<b>schoolReference</b> (reference)	<i>A reference to the related School resource.</i> <hr/> 1. Reports the fields that are part of the Natural Key for the Schools resource	M	N/A	N/A	Y
3	<b>classPeriods</b> (array)	<i>An unordered collection of bellScheduleClassPeriods. The class periods that compose this BellSchedule.</i> <hr/> 1. See array section below	M	Periods	periodSchedule.name  scheduleStructure.structureID	Y

4	alternateDayName (string)	<i>An alternate name for the day (e.g., Red, Blue).</i>  1. Report the Period Schedule Name	O	Periods	periodSchedule. name	Y
5	dates / date (array / string)	<i>The dates for which the BellSchedule applies.</i>  1. Report all of the dates on the Days tab that the period schedule is aligned to a. It must be an instructional day to report	M	Days	day.date	Y
6	gradeLevels / gradeLevelDescriptor (array / string)	<i>The grade levels the particular BellSchedule applies to</i>  1. Report all unique Grade Levels in the schedule structure that are mapped to an Ed-Fi Grade Level	O	Grade Levels	gradelevel.name	Y
7	totalInstructionalTime (integer)	<i>The total instructional time in minutes per day for the bell schedule.</i>  1. Reports period schedule Instructional Minutes	O	Periods	Calculated	N

Arrays

Class Periods

Data Element Label	Business Rule(s)	Mandatory/ Conditional/ Optional	Tool Path	Database Field	Uses Core Template Rules  (Y/N/EXT)
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<b>classPeriodName</b> <i>(string)</i>	<i>An indication of the portion of a typical daily session in which students receive instruction in a specified subject</i> <hr/> <b>1.</b> Report the Period Schedule Name + Period Name + Schedule Structure ID <b>a.</b> Report a space between each value	M	Periods	periodSchedule.name	Y
<b>schoolID</b> <i>(integer)</i>	<i>A reference to the related School resource.</i> <hr/> <b>1.</b> Report the State School Number the Period Schedule is assigned to	M	N/A	N/A	Y

## Data Validation Report (Ed-Fi Bell Schedules Validations)

This report will return the following validations (Reporting > Data Validation > Data Validation Report):

- Bell Schedules must have dates