

# AZ Ed-Fi Suite v7.3, Data Standard v6.0: Student School Attendance Events (SY 26-27)

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## Summary

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

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## Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Schools (Pre-populated)
- Sessions
- Students

### Dependent Resources (Downstream)

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

- N/A

### 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
1		
2		

### Arizona Online Instruction (AOI) Positive Attendance

▼ AOI Positive Attendance



### Object Triggering Logic

Action	Business Rule(s)
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Post

Reports a record when the student has an Enrollment Local Service Type of *T: AOI* **AND** Calendar Attendance Type **or** Enrollment Attendance Type is *017: Positive* **AND** Attendance is entered in the Positive Attendance module.

- Do not report a record if the any of the following exclusions are present:
  - Student has 0 instructional minutes for the day
  - Enrollment State Exclude
  - Enrollment No Show
  - Enrollment Grade Exclude from State Reporting
  - Course does not have Positive Attendance checked.
  - Calendar Exclude
  - School Exclude
- Responsive Scheduled Sections are not included in any calculations.
- Reports attendance for each school the student has a Student School Association record for.
- The Attendance date must fall on or between enrollment start and end dates to report.
- A record will send for each distinct Date and Attendance State Code.
- Positive Attendance must be turned on for this type of Attendance to be recorded and reported. This can be turned on in [Positive Attendance Preferences](#).
- Students reporting a Positive Attendance record should **NOT** be reporting a Negative Attendance record. You can only report one or the other even though the logic is set-up to accommodate both. This will cause errors when validating your data with the state if both are sent.
  - Same for AOI and Non-AOI Attendance; Only one type should be sent for a given student.

	<ul style="list-style-type: none"> <li>• If a student is reporting AOI Positive Attendance, all other attendance types will be ignored and <b>NOT</b> reported.</li> <li>• Positive Attendance will use the Duration calculated from the Time In / Time Out data entered into the SIS, even when this Duration exceeds the Course time. Ensure accurate data is being entered.</li> </ul>
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> <li>• When any of the following information on a student's Positive Attendance changes:             <ul style="list-style-type: none"> <li>◦ Time In</li> <li>◦ Time Out</li> <li>◦ Duration</li> <li>◦ Course</li> </ul> </li> <li>• When any of the following information on the Enrollment changes:             <ul style="list-style-type: none"> <li>◦ Start Date</li> <li>◦ End Date</li> <li>◦ State Exclude</li> <li>◦ No Show</li> </ul> </li> </ul>
Delete	<ul style="list-style-type: none"> <li>• When an enrollment is deleted.</li> <li>• When the positive attendance data is removed for the day.</li> <li>• When the student is now excluded in some way.</li> </ul>

## 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.

Data Element Label	Business Rule(s)	Data Source GUI Path	Database Field
<b>attendanceEventCategoryDescriptor</b> (string)	<p>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</p> <hr/> <p>Reports <b>3</b> (In Attendance).</p>	N/A	N/A
<b>eventDate</b> (date)	<p>Date for this attendance event.</p> <hr/> <p>Reports the <b>Date</b> being reported.</p>	Attendance e	Attendance .date
<b>schoolReference</b> (reference)	<p>A reference to the Schools resource associated with the Student School Attendance Events being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> <li>educationOrganizationId = <b>Ed-Fi School ID</b></li> </ul>	School Informatio n	School .entityID

<b>sessionReference</b> (reference)	<p>A reference to the Sessions resource associated with the Student School Attendance Events being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Sessions resource.</p>	N/A	N/A
<b>studentReference</b> (reference)	<p>A reference to the Students resource associated with the Student School Attendance Events being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	N/A	N/A
<b>instructionalMinutes</b> (number)	<p>The amount of time, in minutes, that the student received instruction during the reported attendance period and the 'In Attendance' code is used</p> <hr/> <p>Reports the sum of all Positive Attendance minutes entered for the student for the day reporting.</p>	Positive Attendance	AttendanceUnit .startTime  AttendanceUnit .endTime
<b>arrivalTime</b>	This is optional, does not report.	N/A	N/A
<b>attendanceEventReason</b>	This is optional, does not report.	N/A	N/A
<b>departureTime</b>	This is optional, does not report.	N/A	N/A



educationalEnvironmentDescriptor	This is optional, does not report.	N/A	N/A
eventDuration	This is optional, does not report.	N/A	N/A
learningModalities	This is optional, does not report.	N/A	N/A
schoolAttendanceDuration	This is optional, does not report.	N/A	N/A

## Learning Modality Attendance (Virtual or Hybrid Learners - Blended Learning Groups)

∨ Learning Modality Attendance

Action	Business Rule(s)
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Post

(Full Day) Reports a record when the student is assigned to a Blended Learning Group that is added to the day **OR**

(Full Day) Reports a record when the student is reporting a day that has the *Virtual Override Day Event* code attached to it **OR**

(Partial Day) Reports a record when the student is given Attendance data where the Local Attendance Code is mapped to a State Code of *DLA: Distance Learning Absent* or *DLP: Distance Learning Present*.

- Do not report a record if the any of the following exclusions are present:
  - Enrollment State Exclude
  - Enrollment No Show
  - Enrollment Grade Exclude from State Reporting
  - Enrollment Local Service Type is *T: AOI*
  - Enrollment Attendance Type is *017: Positive*
  - Calendar Attendance Type is *017: Positive*
  - Calendar Exclude
  - School Exclude
- Responsive Scheduled Sections are not included in any calculations.
- Reports attendance for each school the student has a Student School Association record for.
- The Attendance date must fall on or between enrollment start and end dates to report.
- A record will send for each distinct Date and Attendance State Code.
- Local Attendance Codes **must** be mapped to a State Code in *Attendance Code Setup* to be eligible for state reporting.

- Learning Modality Attendance is **NOT** reported on days where the student was in person the full **expected** day.
  - The student must be remote for some part of the expected day to report a Learning Modality Attendance record.
  - If the expected day is 4 hours, but the student attends 5 hours total and at least 4 of those hours are in-person, then they will **NOT** report any Learning Modality records.
- Learning Modality Attendance (Negative and Positive) is **ALWAYS** reported with an associated Negative Attendance record (with the exception of a 100% Positive Learning Modality Attendance day - That only get the Learning Modality record).
  - The Distance Learning attendanceEventCategoryDescriptors are **NOT** absence amounts but rather identify **how much** of the absence is distance learning.
    - If a student is 50% virtual and 50% in-person and misses half of their virtual classes and half of their in-person classes, the normal Negative attendance record shows the **total** amount missed of the day while the Learning Modality attendance record shows how much of the student's day missed was attributed to Distance Learning. In this scenario for a 100% FTE student, we would see:
      - Negative attendance record of 0.50.
      - Learning Modality - Negative attendance record of 0.25.
      - Learning Modality - Positive attendance record of 0.25.
      - NO RECORD needs to be sent for the in-person positive attendance (0.25) in this scenario; It is assumed by the AzEDS system.

<p>Delete/Post Put</p>	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> <li>• When any of the following information is changed on a Day:             <ul style="list-style-type: none"> <li>◦ Day Events</li> <li>◦ Blended Learning Groups</li> </ul> </li> <li>• When any of the following information on a student's Attendance changes:             <ul style="list-style-type: none"> <li>◦ Code</li> <li>◦ Present Minutes</li> </ul> </li> <li>• When any of the following information on the Enrollment changes:             <ul style="list-style-type: none"> <li>◦ Start Date</li> <li>◦ End Date</li> <li>◦ State Exclude</li> <li>◦ No Show</li> </ul> </li> <li>• When the student is assigned to a Blended Learning Group</li> <li>• Changes to the scheduled time of a period <b>do not trigger</b>. A manual resync will need to be performed if the scheduled period times are changes.</li> </ul>
<p>Delete</p>	<ul style="list-style-type: none"> <li>• When an enrollment is deleted.</li> <li>• When the attendance data is removed for the day.</li> <li>• When the student is now excluded in some way.</li> </ul>

### Object Data Elements Logic

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.

Data Element Label	Business Rule(s)	Data Source GUI Path	Database Field
<b>attendanceEventCategoryDescriptor</b> (string)	<p>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</p> <hr/> <ul style="list-style-type: none"> <li>• Reports <b>4</b> (Positive Attendance for Distance Learning) when the student was present virtually during the day.</li> <li>• Reports <b>5</b> (Negative Attendance for Distance Learning) when the student was absent when they were supposed to be virtual during the day.</li> </ul>	N/A	N/A
<b>eventDate</b> (date)	<p>Date for this attendance event.</p> <hr/> <p>Reports the <b>Date</b> being reported.</p>	Attendance	Attendance .date

<p><b>schoolReference</b> (reference)</p>	<p><i>A reference to the Schools resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> <li>• educationOrganizationId = <b>Ed-Fi School ID</b></li> </ul>	<p>School Information</p>	<p>School .entityID</p>
<p><b>sessionReference</b> (reference)</p>	<p><i>A reference to the Sessions resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Sessions resource.</p>	<p>N/A</p>	<p>N/A</p>
<p><b>studentReference</b> (reference)</p>	<p><i>A reference to the Students resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	<p>N/A</p>	<p>N/A</p>

<p>learningModalities (array)</p>	<p>An unordered collection of studentSchoolAttendanceEventLearningModalities. Details of Learning Modality.</p> <hr/> <p>Reports the following data elements in an array:</p> <ul style="list-style-type: none"> <li>• modalityTimeTypeDescriptor <ul style="list-style-type: none"> <li>◦ Reports <b>Percentage</b>.</li> </ul> </li> <li>• modalityTypeDescriptor <ul style="list-style-type: none"> <li>◦ Reports <b>Remote</b>.</li> </ul> </li> <li>• modalityTime <ul style="list-style-type: none"> <li>◦ Reports 25, 50, 75, or 100.</li> <li>◦ See the Learning Modality Appendix for more information on the calculation. <ul style="list-style-type: none"> <li>▪ Student was <a href="#">Partially Virtual</a> (DLA and DLP codes)</li> <li>▪ Student was <a href="#">Fully Virtual</a> (Blended Learning Group or Day Event)</li> </ul> </li> </ul> </li> </ul>	<p>N/A</p>	<p>N/A</p>
<p>arrivalTime</p>	<p>This is optional, does not report.</p>	<p>N/A</p>	<p>N/A</p>
<p>attendanceEventReason</p>	<p>This is optional, does not report.</p>	<p>N/A</p>	<p>N/A</p>
<p>departureTime</p>	<p>This is optional, does not report.</p>	<p>N/A</p>	<p>N/A</p>



educationalEnvironmentDescriptor	This is optional, does not report.	N/A	N/A
eventDuration	This is optional, does not report.	N/A	N/A
schoolAttendanceDuration	This is optional, does not report.	N/A	N/A
instructionalMinutes	This is optional, does not report.	N/A	N/A

## Negative Attendance

▼ Negative Attendance

### Object Triggering Logic

Action	Business Rule(s)
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Post

Reports a record when the student was assigned an Attendance Code that is mapped to a State Code.

- Do not report a record if the any of the following exclusions are present:
  - Enrollment State Exclude
  - Enrollment No Show
  - Enrollment Grade Exclude from State Reporting
  - Calendar Exclude
  - School Exclude
- Responsive Scheduled Sections are not included in any calculations.
- Reports attendance for each school the student has a Student School Association record for.
- The Attendance date must fall on or between enrollment start and end dates to report.
- A record will send for each distinct Date and Attendance State Code.
- Local Attendance Codes **must** be mapped to a State Code in *Attendance Code Setup* to be eligible for state reporting.

<p>Delete/Post Put</p>	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> <li>• When any of the following information on a student's Attendance changes:             <ul style="list-style-type: none"> <li>◦ Code</li> <li>◦ Present Minutes</li> </ul> </li> <li>• When any of the following information on the Enrollment changes:             <ul style="list-style-type: none"> <li>◦ Start Date</li> <li>◦ End Date</li> <li>◦ State Exclude</li> <li>◦ No Show</li> </ul> </li> <li>• Changes to the scheduled time of a period <b>do not trigger</b>. A manual resync will need to be performed if the scheduled period times are changes.</li> </ul>
<p>Delete</p>	<ul style="list-style-type: none"> <li>• When an enrollment is deleted.</li> <li>• When the attendance data is removed for the day.</li> <li>• When the student is now excluded in some way.</li> </ul>

### Object Data Elements Logic

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.

Data Element Label	Business Rule(s)	Data Source GUI Path	Database Field
<b>attendanceEventCategoryDescriptor</b> (string)	<p>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</p> <hr/> <ul style="list-style-type: none"> <li>• Reports <b>2</b> (Unexcused) if the student has any Unexcused Minutes for the day.             <ul style="list-style-type: none"> <li>◦ Unexcused Minutes are defined as Attendance Codes where the status is 'Absent' and the Excuse is 'Unexcused.'</li> </ul> </li> <li>• Reports <b>1</b> (Excused) in all other situations.</li> </ul>	N/A	N/A
<b>eventDate</b> (date)	<p>Date for this attendance event.</p> <hr/> <p>Reports the <b>Date</b> being reported.</p>	Attendance	Attendance.date
<b>schoolReference</b> (reference)	<p>A reference to the Schools resource associated with the Student School Attendance Events being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> <li>• educationOrganizationId = <b>Ed-Fi School ID</b></li> </ul>	School Information	School.entityID

<b>sessionReference</b> (reference)	<p>A reference to the Sessions resource associated with the Student School Attendance Events being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Sessions resource.</p>	N/A	N/A
<b>studentReference</b> (reference)	<p>A reference to the Students resource associated with the Student School Attendance Events being reported.</p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	N/A	N/A
<b>eventDuration</b> (decimal)	<p>The amount of time for the event as recognized by the school: 1 day = 1, 1/2 day = 0.5, 1/3 day = 0.33.</p> <hr/> <p>Reports 0.25, 0.50, 0.75, or 1 based on the student's FTE, scheduled minutes, and absent minutes. See the <a href="#">Negative Attendance Appendix</a> for more information on the calculation.</p>	N/A	N/A
<b>arrivalTime</b>	<p>This is optional, does not report.</p>	N/A	N/A
<b>attendanceEventReason</b>	<p>This is optional, does not report.</p>	N/A	N/A
<b>departureTime</b>	<p>This is optional, does not report.</p>	N/A	N/A



educationalEnvironmentDescriptor	This is optional, does not report.	N/A	N/A
learningModalities	This is optional, does not report.	N/A	N/A
schoolAttendanceDuration	This is optional, does not report.	N/A	N/A
instructionalMinutes	This is optional, does not report.	N/A	N/A

## Non-AOI Positive Attendance

▼ Non-AOI Positive Attendance

### Object Triggering Logic

Action	Business Rule(s)
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Post

Reports a record when the student has an Enrollment Local Service Type of something **OTHER THAN T: AOI AND** Calendar Attendance Type **or** Enrollment Attendance Type is *017: Positive*.

- Do not report a record if the any of the following exclusions are present:
  - Student has 0 instructional minutes for the day
  - Enrollment State Exclude
  - Enrollment No Show
  - Enrollment Grade Exclude from State Reporting
  - Course does not have Positive Attendance checked.
  - Calendar Exclude
  - School Exclude
- Responsive Scheduled Sections are not included in any calculations.
- Reports attendance for each school the student has a Student School Association record for.
- The Attendance date must fall on or between enrollment start and end dates to report.
- A record will send for each distinct Date and Attendance State Code.
- The Positive Attendance module is **NOT** used for this type of reporting. We report Non-AOI Positive Attendance solely from the normal Negative Attendance module.
  - Any information entered in the Positive Attendance module for this type of Attendance reporting will effectively be ignored.
- Students reporting a Positive Attendance record should **NOT** be reporting a Negative Attendance record. You can only report one or the other even though the logic is set-up to accommodate both. This will cause errors when validating your data with the state if both are sent.
  - Same for AOI vs. Non-AOI Attendance; Only one type should be sent for a given student.

	<ul style="list-style-type: none"> <li>• If a student is reporting Non-AOI Positive Attendance, all other attendance types will be ignored and <b>NOT</b> reported.</li> </ul>
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> <li>• When any of the following information on a student's Attendance changes: <ul style="list-style-type: none"> <li>◦ Attendance ID (New Attendance record)</li> <li>◦ Code</li> <li>◦ Period</li> <li>◦ Status</li> <li>◦ Excuse</li> <li>◦ Present Minutes</li> </ul> </li> <li>• When any of the following information on the Enrollment changes: <ul style="list-style-type: none"> <li>◦ Start Date</li> <li>◦ End Date</li> <li>◦ State Exclude</li> <li>◦ No Show</li> </ul> </li> </ul>
Delete	<ul style="list-style-type: none"> <li>• When an enrollment is deleted.</li> <li>• When the student is now excluded in some way.</li> <li>• When the student no longer has any positive attendance for the day. <ul style="list-style-type: none"> <li>◦ E.g. Instructional Minutes data element is calculated to be 0.</li> </ul> </li> </ul>

## 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.

Data Element Label	Business Rule(s)	Data Source GUI Path	Database Field
<b>attendanceEventCategoryDescriptor</b> (string)	<p>A code describing the attendance event, for example: Present Unexcused absence Excused absence Tardy.</p> <hr/> <ul style="list-style-type: none"> <li>• Reports <b>3</b> (In Attendance).</li> </ul>	N/A	N/A
<b>eventDate</b> (date)	<p>Date for this attendance event.</p> <hr/> <p>Reports the <b>Date</b> being reported.</p>	Attendance	Attendance.date

<p><b>schoolReference (reference)</b></p>	<p><i>A reference to the Schools resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> <li>• educationOrganizationId = <b>Ed-Fi School ID</b></li> </ul>	<p>School Information</p>	<p>School.entityID</p>
<p><b>sessionReference (reference)</b></p>	<p><i>A reference to the Sessions resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Sessions resource.</p>	<p>N/A</p>	<p>N/A</p>
<p><b>studentReference (reference)</b></p>	<p><i>A reference to the Students resource associated with the Student School Attendance Events being reported.</i></p> <hr/> <p>Reports the fields that are part of the Natural Key for the Students resource.</p>	<p>N/A</p>	<p>N/A</p>



instructionalMinutes  
(number)

The amount of time, in minutes, that the student received instruction during the reported attendance period and the 'In Attendance' code is used

Reports the calculation of the following Negative Attendance Information:

- Instructional Minutes = **Total Scheduled Minutes - (Total Absent Minutes - Total Present Minutes)**
  - Total Scheduled Minutes is defined as the total amount of time attributed to Courses where Attendance is taken where the Section is scheduled into an instructional period.
  - Total Absent Minutes is defined as the total amount of the Total Scheduled Minutes where a Local Attendance Code mapped to a Status of *A: Absent* and an Excuse of something OTHER THAN *X: Exempt* is entered for the Period.
    - A NULL Excuse on a Local Attendance Code is considered as *U: Unexcused* and will be counted in the Total Absent Minutes.
  - Total Present Minutes is defined as the sum of Present Minutes entered on each Period the student had Negative

Attendance

Period.periodMinutes

Attendance.status

Attendance.excuse

Attendance.presentMinutes



	Attendance entered for.		
	<p><b>NOTES:</b></p> <ul style="list-style-type: none"> <li>• All variables used in the calculation above are available in the “Campus Identifiers” of a record when performing a Compare in the Ed-Fi Data Tool.</li> <li>• The Section must not be a cross-site section. Attendance from cross-site sections is not considered.</li> <li>• The Section must not be responsively scheduled. Attendance from responsive scheduling sections is not considered.</li> </ul>		
arrivalTime	This is optional, does not report.	N/A	N/A
attendanceEventReason	This is optional, does not report.	N/A	N/A
departureTime	This is optional, does not report.	N/A	N/A
educationalEnvironmentDescriptor	This is optional, does not report.	N/A	N/A
eventDuration	This is optional, does not report.	N/A	N/A
learningModalities	This is optional, does not report.	N/A	N/A



schoolAttendanceDuration	This is optional, does not report.	N/A	N/A
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## Appendix

### Ed-Fi Data Tab Metadata

▼ Ed-Fi Data Tab Metadata

To assist in troubleshooting or verifying validity of AZ attendance records, Campus provides additional metadata when using the *Ed-Fi Data* tool to Compare on Student School Attendance Events. This metadata provides information on intermediary variables used in the various attendance calculations. All metadata is sorted alphabetically by data element name with the exception of the type of attendance record - That will always display first. This section of the Appendix details the different metadata that is provided per record type.

#### AOI Positive Attendance

The metadata for Non-AOI Positive Attendance returns the same information for all students:

- **AOI Positive Attendance:** Identifies the type of attendance record.

### Learning Modality Attendance - Full Day

The metadata for Full Day Learning Modality Attendance will change depending on the attendance type.

- Positive Attendance records
  - **Full Day Learning Modality - Positive Attendance:** Identifies the type of attendance record.
- Negative Attendance records
  - **Full Day Learning Modality - Negative Attendance:** Identifies the type of attendance record.
  - Includes all the same metadata as standard Negative Attendance, with the exception of the type of attendance record.

### Learning Modality Attendance - Partial Day

The metadata for Partial Day Learning Modality Attendance will change depending on the attendance type and the student's Grade Level.

- Positive Attendance records
  - Grades 9 Through 12
    - **Partial Day Learning Modality - Positive Attendance:** Identifies the type of attendance record.
    - **Distance Learning Present Minutes:** The total virtual present minutes calculated for the student on this date.
    - **Expected Hours:** The total instructional time the student is expected to attend.
    - **In Person Present Minutes:** The total in-person present minutes calculated for the student on this date.
    - **Non-Virtual Hours:** The total in-person hours calculated for the student on this date.
    - **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.

- **Total Attended Hours:** The total present hours calculated for the student on this date.
- All other students
  - **Partial Day Learning Modality - Positive Attendance:** Identifies the type of attendance record.
  - **Distance Learning Present Minutes:** The total virtual present minutes calculated for the student on this date.
  - **In Person Present Minutes:** The total in-person present minutes calculated for the student on this date.
  - **Percent Attended:** A percentage indicating how much of the total day the student was present virtually.
  - **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.
- Negative Attendance records
  - Grades 9 Through 12
    - **Partial Day Learning Modality - Negative Attendance:** Identifies the type of attendance record.
    - **Absence Amount:** A percentage indicating how much of the total day the student was absent virtually.
    - **Distance Learning Absent Minutes:** The total virtual absent minutes calculated for the student on this date.
    - **Expected Hours:** The total instructional time the student is expected to attend.
    - **In Person Absent Minutes:** The total in-person absent minutes calculated for the student on this date.
    - **In Person Percent Absent:** A percentage indicating how much of the total day the student was absent in-person.
    - **In Person Present Minutes:** The total in-person present minutes calculated for the student on this date.
    - **Non-Virtual Hours:** The total in-person hours calculated for the student on this date.
    - **Percent Attended:** A percentage indicating how much of the total day the student was present.
    - **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.
  - All other students

- **Partial Day Learning Modality - Negative Attendance:** Identifies the type of attendance record.
- **Absence Amount:** A percentage indicating how much of the total day the student was absent virtually.
- **Distance Learning Absent Minutes:** The total virtual absent minutes calculated for the student on this date.
- **Distance Learning Present Minutes:** The total virtual present minutes calculated for the student on this date.
- **In Person Present Minutes:** The total in-person present minutes calculated for the student on this date.
- **In Person Absent Minutes:** The total in-person absent minutes calculated for the student on this date.
- **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.

#### Negative Attendance

The metadata for Negative Attendance will change depending on the student's Grade Level and Attendance Method

- Grades 9 Through 12 - 004A: Negative Method 1
  - **Negative Attendance:** Identifies the type of attendance record.
  - **Absence Amount:** A percentage indicating how much of the total day the student was absent.
  - **Absent Periods:** The total scheduled periods for the student on this date.
  - **Scheduled Periods:** The total scheduled periods for the student on this date.
- Grades 9 Through 12 - 004: Negative Method 2
  - **Negative Attendance:** Identifies the type of attendance record.
  - **Absence Amount:** A percentage indicating how much of the total day the student was absent.
  - **Attended Minutes:** The total present minutes calculated for the student on this date.
  - **Disparity:** The difference between the total expected minutes and the total attended minutes.

- **Expected Minutes:** The total instructional time the student is expected to attend.
- **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.
- All other students
  - **Negative Attendance:** Identifies the type of attendance record.
  - **Absence Amount:** A percentage indicating how much of the total day the student was absent.
  - **Absent Minutes:** The total absent minutes calculated for the student on this date.
  - **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.

#### Non-AOI Positive Attendance

The metadata for Non-AOI Positive Attendance returns the same information for all students:

- **Non-AOI Positive Attendance:** Identifies the type of attendance record.
- **Absent Minutes:** The total absent minutes calculated for the student on this date.
- **Present Minutes:** The total present minutes calculated for the student on this date.
- **Scheduled Minutes:** The total scheduled minutes calculated for the student on this date.

### Learning Modality Attendance - Full Day (Calendar Event or Blended Learning Group)

#### ∨ Learning Modality Attendance - Full Day

Use the below navigation menu to quickly jump to the logic area tied to the student based on their Grade Level and Attendance Type. Each section below covers **Negative AND Positive** Learning Modality logic. Make sure not to skip the Positive Learning Modality logic (Last step of each section).

[Grades 9 Through 12 - 004A: Negative Method 1 \(Appendix Learning Modality Full Day\)](#)

[Grades 9 Through 12 - 004: Negative Method 2 \(Appendix Learning Modality Full Day\)](#)

[All Remaining Students \(Appendix Learning Modality Full Day\)](#)

#### **Grades 9 Through 12 - 004A: Negative Method 1 (Appendix Learning Modality Full Day)**

Negative Method 1 should be used when a student's attendance is based on **courses** instead of instructional time. The logic described below is used by student's whose Grade Level is mapped to Grade 9, 10, 11, or 12 **AND** have an Attendance Type of *004A: Negative Method 1* (Uses the Enrollment value first, then the Calendar value if Enrollment value is NULL).

The following act as excludes for Negative Method 1:

- Course not marked as Attendance
- Course State Report Exclude
- Section Cross-Site
- Section is Responsive
- Attendance is from Cross-Site
- Period Non-Instructional
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date
- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Calculation Logic:

1. Determine the **Absence Amount**:

- a. Determine the **Scheduled Periods** of the student by counting the number of periods that are not excluded based on the above requirements.
  - Absence Amount is **0** if no Scheduled Periods are found.
- b. Determine the **Absent Periods** of the student by counting the number of Scheduled Periods that have an attendance code with a status of *A: Absent* **AND** an excuse that is **NOT X: Exempt**.
- c. Calculate the Absence Amount: **FTE \* (Absent Periods / Scheduled Periods)**
  - The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.

2. Determine the **NEGATIVE Modality Time**:

- a. If the calculated Modality Time is greater than the FTE, then report the FTE (25% = 25, 50% = 50, etc.)

Absence Amount	Negative Modality Time
<b>Grades 9 Through 12 - 004A: Negative Method 1</b>	
0	Does not report
Less than 0.26	25
Less than 0.51	50
Less than 0.76	75
All other situations	100

3. Determine the **POSITIVE Modality Time** by performing the following calculation: **FTE - Negative Modality Time**

- a. A Positive Modality Time of 0 means no record is reported.
- b. A Negative Modality Time of “Does not report” equates to 0 for this calculation.

**Grades 9 Through 12 - 004: Negative Method 2 (Appendix Learning Modality Full Day)**

Negative Method 2 should be used when a student's attendance is based on **instructional time** instead of courses. The logic described below is used by student's whose Grade Level is mapped to Grade 9, 10, 11, or 12 **AND** have an Attendance Type of *004: Negative Method 2* (Uses the Enrollment value first, then the Calendar value if Enrollment value is NULL).

The following act as excludes for Negative Method 2:

- Course not marked as Attendance
- Course State Report Exclude
- Course does not have a Grading Task with a Credit of NULL or greater than 0
- Section Cross-Site
- Section is Responsive
- Student cannot have a Section Student Detail with a value of Yes for Career Readiness
- Attendance is from Cross-Site
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date

- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Calculation Logic:

1. Determine the **Absence Amount**:

- a. Determine the **Scheduled Minutes** of the student by counting the number of Period Minutes associated with courses that are not excluded based on the requirements above.
  - If the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
- b. Determine the **Attended Minutes** of the student by counting the number of Scheduled Minutes with an Attendance Status of *E: Early Release*, *P: Present*, *T: Tardy*, or *X* **AND** all Present Minutes.
  - Similar to Scheduled Minutes above, if the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
  - If Attended Minutes are equal to or less than 0
    - **Stop processing here and skip to the Negative Modality Time lookup table (Step 2)**. Absence Amount is **1** (The student missed the full expected day).
- c. Determine the **Expected Minutes** of the student by performing the following calculation: **FTE \* 240**
  - A full time (100% FTE) student is expected to attend 240 minutes per day.
- d. Determine the **Disparity** of the student by performing the following calculation: **Expected Minutes - Attended Minutes**
  - If Disparity is equal to or less than 0 **OR**
    - If the student's only attendance marks for the day have a status of *T: Tardy* or *E: Early Release* and an excuse of

X: Exempt

- **Stop processing here and skip to the Positive Modality Time (Step 3).** Absence Amount is **0** and Negative Modality Time is 0 (The student attended the full expected day).

e. Calculate the Absence Amount:

- If the Scheduled Minutes are less than Expected Minutes, use this calculation: **(Scheduled Minutes - Attended Minutes) / Scheduled Minutes**
- In all other situations, use this calculation: **(Expected Minutes - Attended Minutes) / Expected Minutes**
- The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.

2. Determine the **NEGATIVE Modality Time:**

- a. If the calculated Modality Time is greater than the FTE, then report the FTE (25% = 25, 50% = 50, etc.)

### Grades 9 Through 12 - 004: Negative Method 2



Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.01	Does not report	Less than 0.01	Does not report	Less than 0.01	Does not report	Less than 0.01	Does not report
Less than 0.26	25	Less than 0.35	25	Less than 0.51	25	All other situations	25
Less than 0.51	50	Less than 0.68	50	All other situations	50		
Less than 0.76	75	All other situations	75				
All other situations	100						

3. Determine the **POSITIVE Modality Time** by performing the following calculation: **FTE - Negative Modality Time**
- A Positive Modality Time of 0 means no record is reported.
  - A Negative Modality Time of “Does not report” equates to 0 for this calculation.

#### All Remaining Students (Appendix Learning Modality Full Day)

The logic described below is used by student's whose Grade Level is mapped to Grade UE, KG, 1, 2, 3, 4, 5, 6, 7, or 8. Depending on the student's Attendance Calculation (Grades 1-8) or Kindergarten Schedule (Grades UE and KG), a different lookup table will be used in Step 2.

The following act as excludes:

- Course not marked as Attendance
- Course State Report Exclude
- Section Cross-Site
- Section is Responsive
- Period Non-Instructional
- Attendance is from Cross-Site
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date
- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Calculation Logic:

1. Determine the **Absence Amount**:

- a. Determine the **Scheduled Minutes** of the student by counting the Period Minutes and Lunch Minutes associated with courses that are not excluded based on the requirements above.
  - b. Determine the **Absent Minutes** of the student by counting the Scheduled Minutes where the attendance status is *A: Absent* and the excuse is **NOT NULL** or *X: Exempt*.
    - This is only for the primary term schedule.
    - Subtract any Present Minutes.
  - c. Calculate the Absence Amount:
    - If the Scheduled Minutes are greater than 0 use the following calculation: **1 - ((Scheduled Minutes - Absent Minutes) / (Scheduled Minutes \* FTE))**
      - The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.
    - In all other situations, Absence Amount is **0**.
2. Determine the **NEGATIVE Modality Time**:
- a. If the calculated Modality Time is greater than the FTE, then report the FTE (25% = 25, 50% = 50, etc.)

**Grades 1 Through 8 - Quarter Day**



Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.25	Does not report	Less than 0.25	Does not report	Less than 0.25	Does not report	Less than 0.25	Does not report
0.25	25	Less than 0.35	25	Less than 0.51	25	All other situations	25
Less than 0.51	50	Less than 0.68	50	All other situations	50		
Less than 0.76	75	All other situations	75				
All other situations	100						

**Grades 1 Through 8 - Half Day / Whole Day**



Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.26	Does not report	Less than 0.26	Does not report	Less than 0.26	Does not report	Less than 0.51	Does not report
Less than 0.51	50	Less than 0.51	25	Less than 0.51	25	All other situations	25
All other situations	100	All other situations	75	All other situations	50		

**Grades UE / KG - Half Day Every Day (Kindergarten Schedule Code: A)**



Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.74	Does not report	Less than 0.74	Does not report	Less than 0.74	Does not report	Less than 0.74	Does not report
All other situations	50	All other situations	50	All other situations	50	All other situations	25

**Grades UE / KG - Full Day (Kindergarten Schedule Codes: B - F)**



Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.51	Does not report	Less than 0.51	Does not report	Less than 0.51	Does not report	Less than 0.51	Does not report
All other situations	100	All other situations	75	All other situations	50	All other situations	25

3. Determine the **POSITIVE Modality Time** by performing the following calculation: **FTE - Negative Modality Time**

- a. A Positive Modality Time of 0 means no record is reported.
- b. A Negative Modality Time of “Does not report” equates to 0 for this calculation.

### Learning Modality Attendance - Partial Day (Attendance State Codes)

∨ Learning Modality Attendance - Partial Day

All students will use some shared calculations and exclusions:

The following act as shared excludes:

- Course must have Attendance checked to be included
- Section cannot be cross-site
- Section cannot be responsive
- Period must be instructional
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date
- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Shared calculations:

- **Total Scheduled Minutes** are determined by summing the number of period minutes for courses that meet the above criteria
  - If the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
- **Total In Person Present Minutes** are determined by the summing the number of period minutes for courses that meet the above criteria and were given a Local Attendance Code that does **NOT** have a State Code of DLP/DLA **AND** the Status is **NOT A: Absent PLUS** any Present Minutes entered for these periods.
  - If the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
- **Total Distance Learning Present Minutes** are determined by summing the number of period minutes for courses that meet the above criteria and were given a Local Attendance Code that **HAS** a State Code of *DLP: Distance Learning*

Present **AND** any Present Minutes entered for these periods for Local Attendance Codes that have a State Code of *DLA: Distance Learning Absent*.

- If the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
- **Total In Person Absent Minutes** are determined by summing the number of period minutes for courses that meet the above criteria and were given a Local Attendance Code that does **NOT** have a State Code of *DLA* **AND** the Status **IS A: Absent MINUS** any Present Minutes entered for these periods.
  - If the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
- **Total Distance Learning Absent Minutes** are determined by summing the number of period minutes for courses that meet the above criteria and were given a Local Attendance Code that **HAS** a State Code of *DLA: Distance Learning Absent MINUS* any Present Minutes entered for these periods.

Use the below navigation menu to quickly jump to the logic area tied to the student based on their Grade Level and the type of Learning Modality (positive/negative) you need information for.

- [Grades 9 Through 12 - Positive Attendance \(Appendix Learning Modality Partial Day\)](#)
- [Grades 9 Through 12 - Negative Attendance \(Appendix Learning Modality Partial Day\)](#)
- [All Other Students - Positive Attendance \(Appendix Learning Modality Partial Day\)](#)
- [All Other Students - Negative Attendance \(Appendix Learning Modality Partial Day\)](#)

Grades 9 Through 12 - Positive Attendance (Appendix Learning Modality Partial Day)

This section should be used to determine the Positive Modality Time that should report when the student is reporting "In Attendance" for virtual time that is only a portion of the student's full day. For grades 9 through 12, it **does NOT matter** if the Attendance Type is set to 004A: *Negative Method 1* or 004: *Negative Method 2*. Both methods will use the below logic.

Calculation Logic:

1. Determine the **Expected Hours** for the student by performing the following calculation and rounding to the nearest integer: **FTE \* 4**
  - a. Expected Hours represent 60-minute intervals. Each 25% of FTE is expected to attend for 60 minutes.
2. Compare the **Expected Minutes** (Expected Hours \* 60) to the **Total Scheduled Minutes**.
  - a. If the Total Scheduled Minutes are greater than the Expected Minutes, then Expected Minutes is used as "Total Scheduled Minutes" for all further calculations.
3. Determine the **Non-Virtual Hours** for the student by performing the following calculation and rounding to the nearest integer: **Total In-Person Present Minutes / 60**
4. Compare the **Non-Virtual Hours** to the **Expected Hours**.
  - a. If the Non-Virtual Hours are greater than or equal to the Expected Hours:
    - **Stop processing here.** The student attended in-person for the expected amount of time and **will not report a Learning Modality Attendance record.**
  - b. If the Non-Virtual Hours are less than the Expected Hours **AND** the Total Attended Hours are greater than or equal to the Expected Hours:
    - **Stop processing here.** The **Positive Modality Time** reported is **(Expected Hours - Non-Virtual Hours) \* 25**



- Total Attended Hours is calculated by following the “Normal” Negative Attendance Grades 9-12, 004: Negative Method 2 logic to get **Absence Amount**. See the other Appendix section for more information. Total Attended Hours is then calculated as **(1 - Absence Amount) \* Expected Hours**.
5. Determine the **Present Amount** by performing the following calculation: **Total Distance Learning Present Minutes / Total Scheduled Minutes**
    - a. The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.
  6. Determine the **Positive Modality Time**:

Grades 9 Through 12											
Present Amount		Positive Modality Time		Present Amount		Positive Modality Time		Present Amount		Positive Modality Time	
<b>100% FTE</b>				<b>75% FTE</b>				<b>50% FTE</b>			
Less than 0.25	Does not report	Less than 0.33	Does not report	Less than 0.50	Does not report	Less than 0.25	Does not report	Less than 0.33	Does not report	Less than 0.50	Does not report
Less than 0.50	25	Less than 0.66	25	All other situations	25	All other situations	25	All other situations	25	All other situations	25
Less than 0.75	50	All other situations	50								
All other situations	75										

Grades 9 Through 12 - Negative Attendance (Appendix Learning Modality Partial Day)

This section should be used to determine the Negative Modality Time that should report when the student is reporting "Absent" for virtual time that is only a portion of the student's full day. For grades 9 through 12, it **does NOT matter** if the Attendance Type is set to *004A: Negative Method 1* or *004: Negative Method 2*. Both methods will use the below logic.

Checks to do at the start:

- If **Distance Learning Absent Minutes** is less than or equal to 0, **no record will be reported** (The student did not have any absent minutes tied to distance learning).

Calculation Logic:

1. Determine the **Expected Hours** for the student by performing the following calculation and rounding to the nearest integer: **FTE \* 4**
  - a. Expected Hours represent 60-minute intervals. Each 25% of FTE is expected to attend for 60 minutes.
2. Compare the **Expected Minutes** (Expected Hours \* 60) to the **Total Scheduled Minutes**.
  - a. If the Total Scheduled Minutes are greater than the Expected Minutes, then Expected Minutes is used as "Total Scheduled Minutes" for all further calculations.
3. Determine the **Non-Virtual Hours** for the student by performing the following calculation and rounding to the nearest integer: **Total In-Person Present Minutes / 60**
4. Compare the **Non-Virtual Hours** to the **Expected Hours**.
  - a. If the Non-Virtual Hours are greater than or equal to the Expected Hours:

- **Stop processing here.** The student attended in-person for the expected amount of time and **will not report a Learning Modality Attendance record.**
5. Determine the Total Attended Minutes by performing the following calculation: **(1 - Absence Amount) \* Total Scheduled Minutes**
    - a. Absence Amount is calculated by following the “Normal” Negative Attendance Grades 9-12, 004: Negative Method 2 logic. See the other Appendix section for more information.
    - b. If the **Total Attended Minutes** is greater than or equal to the **Total Scheduled Minutes**:
      - i. **Stop processing here.** No record will be reported (The student attended a full expected day).
  6. Determine the **Percent Attended** by performing the following calculation: **Total Attended Minutes / Total Scheduled Minutes**
    - a. The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.
  7. Determine the **Absence Amount**:
    - a. If **Total In-Person Absent Minutes** are equal to 0, calculate Absence Amount using the following: **(1 - Percent Attended)**
    - b. If **Total In-Person Absent Minutes** is greater than 0:
      - Determine the **In-Person Percent Absent** by performing the following calculation: **Total In-Person Absent Minutes / Scheduled Minutes**
      - If the **In-Person Percent Absent + Percent Attended** is greater than or equal to 1:
        - **Stop processing here.** Student was physically present or absent from physical classes the full expected day and shouldn't report a learning modality negative record.
      - Calculate the Absence Amount: **(1 - In-Person Percent Absent - Percent Attended)**
  8. Determine the **Negative Modality Time**:



**Grades 9 Through 12**

Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time	Absence Amount	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.01	Does not report	Less than 0.01	Does not report	Less than 0.01	Does not report	Less than 0.01	Does not report
Less than 0.26	25	Less than 0.26	25	Less than 0.26	25	All other situations	25
Less than 0.51	50	Less than 0.51	50	All other situations	50		
Less than 0.76	75	All other situations	75				
All other situations	100						

### All Other Students - Positive Attendance (Appendix Learning Modality Partial Day)

The logic described below is used by student's whose Grade Level is mapped to Grade UE, KG, 1, 2, 3, 4, 5, 6, 7, or 8. Make sure to use the correct lookup table when determining Positive Modality Time.

Checks to do at the start:

- If **Total In-Person Present Minutes** is greater than or equal to **Total Scheduled Minutes**, then no record will be reported (The student was physically present for their full day and should not report a learning modality positive record).

Calculation Logic:

1. Determine **Percent Attended**:

- a. If the Total In-Person Present Minutes + Total Distance Learning Present Minutes are greater than or equal to the Scheduled Minutes, calculate Percent Attended as: **(Total Scheduled Minutes - Total In-Person Present Minutes) / Total Scheduled Minutes**
- b. In all other situations, calculate Percent Attended as: **Total Distance Learning Present Minutes / Total Scheduled Minutes**
- c. The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.

2. Determine the **Positive Modality Time**:

a. **Grades UE and KG**

- If the student's Kindergarten Schedule is *A: Half Day Every Day* **AND** Percent Attended is greater than 0.25 **OR** If the student's Kindergarten Schedule is *B: Full Day Every Other Day, C: Full Day 3 Days a Week, D: Full Day*

*Every Day Spring-Only, E: Full Day Every Day, or F: Full Day Every Day Title 1 AND* Percent Attended is greater than 0.50:

- Positive Modality Time is calculated as: **FTE \* 100**
  - FTE is treated as a decimal (25% = 25, 50% = 50, etc.).
- In all other situations, a record is not reported.

**b. Grades 1-8**

- i. Use the below tables.

**Grades 1 Through 8 - Quarter Day**



Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Greater than 0.99	100	Greater than 0.99	75	Greater than 0.99	50	Greater than 0.99	25
Greater than 0.74	75	Greater than 0.65	50	Greater than 0.49	25	All other situations	Does not report
Greater than 0.49	50	Greater than 0.32	25	All other situations	Does not report		
Greater than 0.24	25	All other situations	Does not report				
All other situations	Does not report						

**Grades 1 Through 8 - Half Day / Whole Day - NO IN-PERSON PRESENT MINUTES (Only use when In-Person Present Minutes are equal to 0)**



Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Greater than 0.74	100	Greater than 0.74	75	Greater than 0.74	50	Less than 0.25	Does not report
Less than 0.25	Does not report	Less than 0.25	Does not report	Less than 0.25	Does not report	All other situations	25
All other situations	50	All other situations	25	All other situations	25		

**Grades 1 Through 8 - Half Day / Whole Day**



Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time	Percent Attended	Positive Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Greater than 0.99	100	Greater than 0.74	75	Greater than 0.74	50	Less than 0.25	Does not report
Greater than 0.74	75	Greater than 0.49	50	Less than 0.25	Does not report	All other situations	25
Greater than 0.49	50	Less than 0.25	Does not report	All other situations	25		
Less than 0.25	Does not report	All other situations	25				
All other situations	25						

**All Other Students - Negative Attendance (Appendix Learning Modality Partial Day)**

The logic described below is used by student's whose Grade Level is mapped to Grade UE, KG, 1, 2, 3, 4, 5, 6, 7, or 8. Make sure to use the correct lookup table when determining Negative Modality Time.

Checks to do at the start:

- If the **Total Attended Minutes** (Total Distance Learning Present Minutes + Total In-Person Present Minutes) is greater than or equal to the **Total Scheduled Minutes**, then no record will be reported (Student attended a full day and should not report a negative learning modality record).
- If the **Total Distance Learning Absent Minutes** is less than or equal to 0, then no record will be reported (Student did not have any absent distance learning attendance for the day).

Calculation Logic:

1. Determine the **Percent Attended** by performing the following calculation: **(Total Distance Learning Present Minutes + Total In-Person Present Minutes) / Total Scheduled Minutes**
2. If the **Total In-Person Absent Minutes** are equal to 0, use the following tables to determine the **Negative Modality Time**:

Grades 1 Through 8 - Quarter Day



Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.25	100	Less than 0.33	75	Less than 0.50	50	Greater than 0.99	Does not report
Less than 0.50	75	Less than 0.66	50	Greater than 0.99	Does not report	All other situations	25
Less than 0.75	50	Greater than 0.99	Does not report	All other situations	25		
Greater than 0.99	Does not report	All other situations	25				
All other situations	25						

**Grades 1 Through 8 - Half Day / Whole Day**



Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.25	100	Less than 0.25	75	Less than 0.25	50	Less than 0.25	25
Less than 0.75	50	Less than 0.75	25	Less than 0.75	25	All other situations	Does not report
All other situations	Does not report	All other situations	Does not report	All other situations	Does not report		

**Grades UE / KG - Half Day (Kindergarten Schedule Code: A)**



Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Greater than or equal to 0.26	Does not report	Greater than or equal to 0.26	Does not report	Greater than or equal to 0.26	Does not report	Greater than or equal to 0.26	Does not report
All other situations	50	All other situations	50	All other situations	25	All other situations	25

**Grades UE / KG - Full Day (Kindergarten Schedule Codes: B - F)**



Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time
100% FTE		75% FTE		50% FTE		25% FTE	
Greater than or equal to 0.51	Does not report	Greater than or equal to 0.51	Does not report	Greater than or equal to 0.51	Does not report	Greater than or equal to 0.51	Does not report
All other situations	100	All other situations	75	All other situations	50	All other situations	25

3. If the **Total In-Person Absent Minutes** are greater than 0:

a. Determine the **In-Person Percent Absent** by performing the following calculation: **Total In-Person Absent Minutes / Total Scheduled Minutes**

b. If the **In-Person Percent Absent + Percent Attended** is less than 1:

- Determine the **Virtual Percent Absent** by performing the following calculation: **1 - In-Person Percent Absent - Percent Attended**
- Use the following tables to determine the **Negative Modality Time**:

**Grades 1 Through 8 - Quarter Day**



Virtual Percent Absent	Negative Modality Time	Virtual Percent Absent	Negative Modality Time	Virtual Percent Absent	Negative Modality Time	Virtual Percent Absent	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Greater than 0.50	75	Greater than 0.33	75	Less than 0.01	Does not report	All other situations	Does not report
Greater than 0.25	50	Less than 0.01	Does not report	All other situations	25		
Less than 0.01	Does not report	All other situations	25				
All other situations	25						

**Grades 1 Through 8 - Half Day / Whole Day**



Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time	Percent Attended	Negative Modality Time
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Greater than 0.74	75	Greater than 0.74	50	Less than 0.25	Does not report	Less than 0.25	Does not report
Greater than 0.49	50	Less than 0.25	Does not report	All other situations	25	All other situations	25
Less than 0.25	Does not report	All other situations	25				
All other situations	25						

4. Do not report a record if the student cannot fall into any of the above categories.

### Negative Attendance

▼ Negative Attendance

Use the below navigation menu to quickly jump to the logic area tied to the student based on their Grade Level and the type of Learning Modality (positive/negative) you need information for.

[Grades 9 Through 12 - 004A: Negative Method 1 \(Appendix Negative Attendance\)](#)

[Grades 9 Through 12 - 004: Negative Method 2 \(Appendix Negative Attendance\)](#)

[All Remaining Students \(Appendix Negative Attendance\)](#)

#### Grades 9 Through 12 - 004A: Negative Method 1 (Appendix Negative Attendance)

Negative Method 1 should be used when a student's attendance is based on **courses** instead of instructional time. The logic described below is used by student's whose Grade Level is mapped to Grade 9, 10, 11, or 12 **AND** have an Attendance Type of *004A: Negative Method 1* (Uses the Enrollment value first, then the Calendar value if Enrollment value is NULL).

The following act as excludes for Negative Method 1:

- Course not marked as Attendance
- Course State Report Exclude
- Section Cross-Site
- Attendance is from Cross-Site
- Period Non-Instructional
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date
- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Calculation Logic:

1. Determine the **Absence Amount**:

- a. Determine the **Scheduled Periods** of the student by counting the number of periods that are not excluded based on the above requirements.
  - Absence Amount is **0** if no Scheduled Periods are found.
- b. Determine the **Absent Periods** of the student by counting the number of Scheduled Periods that have an attendance code with a status of *A: Absent* **AND** an excuse that is **NOT X: Exempt**.
- c. Calculate the Absence Amount: **FTE \* (Absent Periods / Scheduled Periods)**
  - The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.

2. Determine the **Event Duration**:

- a. If the calculated Event Duration is greater than the FTE, then report the FTE (25% = 0.25, 50% = 0.50, etc.)

Absence Amount	Event Duration
<b>Grades 9 Through 12 - 004A: Negative Method 1</b>	
0	Does not report
Less than 0.26	0.25
Less than 0.51	0.50
Less than 0.76	0.75
All other situations	1

Grades 9 Through 12 - 004: Negative Method 2 (Appendix Negative Attendance)

Negative Method 2 should be used when a student's attendance is based on **instructional time** instead of courses. The logic described below is used by student's whose Grade Level is mapped to Grade 9, 10, 11, or 12 **AND** have an Attendance Type of *004: Negative Method 2* (Uses the Enrollment value first, then the Calendar value if Enrollment value is NULL).

The following act as excludes for Negative Method 2:

- Course not marked as Attendance
- Course State Report Exclude
- Course does not have a Grading Task with a Credit of NULL or greater than 0
- Section Cross-Site
- Student cannot have a Section Student Detail with a value of Yes for Career Readiness
- Attendance is from Cross-Site
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date
- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Calculation Logic:

1. Determine the **Absence Amount**:

- a. Determine the **Scheduled Minutes** of the student by counting the number of Period Minutes associated with courses that are not excluded based on the requirements above.
  - If the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
- b. Determine the **Attended Minutes** of the student by counting the number of Scheduled Minutes with an Attendance Status of *E: Early Release*, *P: Present*, *T: Tardy*, or *X AND* all Present Minutes.
  - Similar to Scheduled Minutes above, if the Period Minutes are 55, 56, 57, 58, or 59, it will count as **60 minutes** for the purpose of the attendance calculation.
  - If Attended Minutes are equal to or less than 0:
    - **Stop processing here and skip to the Event Duration lookup table (Step 2)**. Absence Amount is **1** (The student missed the full expected day).
- c. Determine the **Expected Minutes** of the student by performing the following calculation: **FTE \* 240**
  - A full time (100% FTE) student is expected to attend 240 minutes per day.
- d. Determine the **Disparity** of the student by performing the following calculation: **Expected Minutes - Attended Minutes**
  - If Disparity is equal to or less than 0 **OR**  
If the student's only attendance marks for the day have a status of *T: Tardy* or *E: Early Release* and an excuse of *X: Exempt*
    - **Stop processing here**. Absence Amount is **0** (The student attended the full expected day). No record is reported.
- e. Calculate the Absence Amount:
  - If the Scheduled Minutes are less than Expected Minutes, use this calculation: **(Scheduled Minutes - Attended Minutes) / Scheduled Minutes**

- In all other situations, use this calculation: **(Expected Minutes - Attended Minutes) / Expected Minutes**
- The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.

2. Determine the **Event Duration**:

a. If the calculated Event Duration is greater than the FTE, then report the FTE (25% = 0.25, 50% = 0.50, etc.)

Grades 9 Through 12 - 004: Negative Method 2							
Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration
100% FTE		75% FTE		50% FTE		25% FTE	
Less than 0.01	Does not report	Less than 0.01	Does not report	Less than 0.01	Does not report	Less than 0.01	Does not report
Less than 0.26	0.25	Less than 0.35	0.25	Less than 0.51	0.25	All other situations	0.25
Less than 0.51	0.50	Less than 0.68	0.50	All other situations	0.50		
Less than 0.76	0.75	All other situations	0.75				
All other situations	1						

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#### All Remaining Students (Appendix Negative Attendance)

The logic described below is used by student's whose Grade Level is mapped to Grade UE, KG, 1, 2, 3, 4, 5, 6, 7, or 8. Depending on the student's Attendance Calculation (Grades 1-8) or Kindergarten Schedule (Grades UE and KG), a different lookup table will be used in Step 2.

The following act as excludes:

- Course not marked as Attendance
- Course State Report Exclude
- Section Cross-Site
- Section is Responsive
- Period Non-Instructional
- Attendance is from Cross-Site
- Roster Start Date After Attendance Date
- Roster End Date Before Attendance Date
- Term Start Date After Attendance Date
- Term End Date Before Attendance Date

Calculation Logic:

1. Determine the **Absence Amount**:

- a. Determine the **Scheduled Minutes** of the student by counting the Period Minutes and Lunch Minutes associated with courses that are not excluded based on the requirements above.
- b. Determine the **Absent Minutes** of the student by counting the Scheduled Minutes where the attendance status is *A: Absent* and the excuse is **NOT NULL** or *X: Exempt*.
  - This is only for the primary term schedule.
  - Subtract any Present Minutes.
- c. Calculate the Absence Amount:
  - If the Scheduled Minutes are greater than 0 use the following calculation:  **$1 - ((\text{Scheduled Minutes} - \text{Absent Minutes}) / (\text{Scheduled Minutes} * \text{FTE}))$** 
    - The result is rounded to the nearest ten-thousandths place (X.XXXX) using normal rounding rules.
  - In all other situations, Absence Amount is **0**.

2. Determine the **Event Duration**:

- a. If the calculated Event Duration is greater than the FTE, then report the FTE (25% = 0.25, 50% = 0.50, etc.)

**Grades 1 Through 8 - Quarter Day**



Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.25	Does not report	Less than 0.25	Does not report	Less than 0.25	Does not report	Less than 0.25	Does not report
0.25	0.25	Less than 0.35	0.25	Less than 0.51	0.25	All other situations	0.25
Less than 0.51	0.50	Less than 0.68	0.50	All other situations	0.50		
Less than 0.76	0.75	All other situations	0.75				
All other situations	1						

**Grades 1 Through 8 - Half Day / Whole Day**



Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.26	Does not report	Less than 0.26	Does not report	Less than 0.26	Does not report	Less than 0.51	Does not report
Less than 0.51	0.50	Less than 0.51	0.25	Less than 0.51	0.25	All other situations	0.25
All other situations	1	All other situations	0.75	All other situations	0.50		

**Grades UE / KG - Half Day Every Day (Kindergarten Schedule Code: A)**



Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.74	Does not report	Less than 0.74	Does not report	Less than 0.74	Does not report	Less than 0.74	Does not report
All other situations	0.50	All other situations	0.50	All other situations	0.50	All other situations	0.25

**Grades UE / KG - Full Day (Kindergarten Schedule Codes: B - F)**

Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration	Absence Amount	Event Duration
<b>100% FTE</b>		<b>75% FTE</b>		<b>50% FTE</b>		<b>25% FTE</b>	
Less than 0.51	Does not report	Less than 0.51	Does not report	Less than 0.51	Does not report	Less than 0.51	Does not report
All other situations	1	All other situations	0.75	All other situations	0.50	All other situations	0.25

