

Teacher Student Data Link (Michigan)

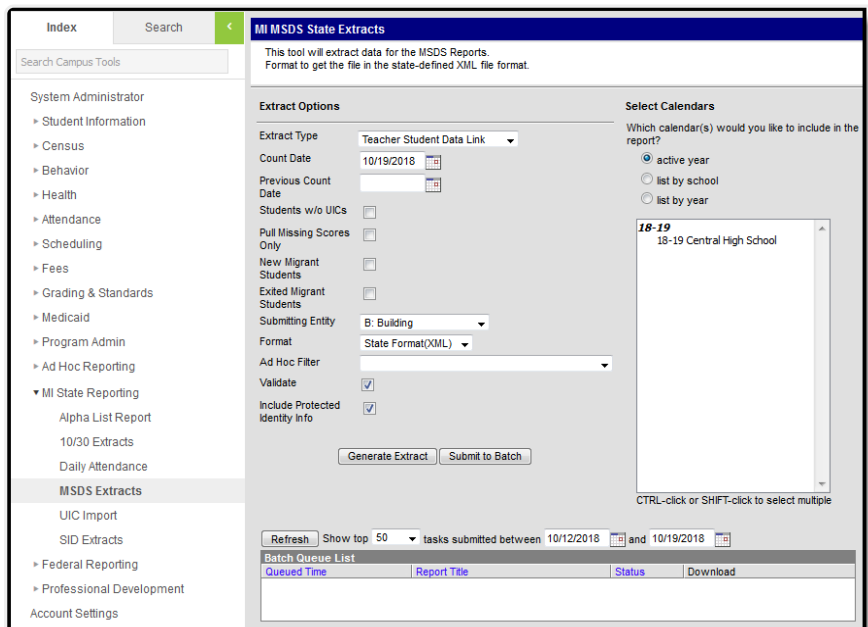
Last Modified on 04/29/2024 1:47 pm CDT

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Tool Search: MSDS Extracts

The Teacher Student Data Link is an extract in the Michigan Student Data System (MSDS) that reports links between students and the teachers who instruct them. This collection is necessary to meet the requirements of the American Recovery and Reinvestment Act (ARRA) and the America Competes Act as part of the State Fiscal Stabilization Fund.

This is a full-year collection, reporting data that reflects students' performance throughout the current academic year and their statuses at the end of the school year.



Michigan Teacher Student Data Link Extract Editor

Report Population Logic

Business Rule	Requirement
R1	Report a record per student if the student is enrolled in one or more courses on or between the date range of the extract editor. If the student is scheduled in more than 1 calendar, report one record per calendar. If a student has no course information to report, the student should be excluded from the extract.
R1.BR1	StudentCourse - SCED Subject Area and SCED Course Identifier must be = NOT NULL. Courses with no NCES code should not be reported in the extract.

Business Rule	Requirement
R2	StudentCourse - A student must have a Score on a State Reported Grading Task or Standard to report a record. If no Score is found, that particular course should not be reported for the student. If the student dropped the course but still has a Score, a record should still be reported.
R2.BR1	Grading Task or Standard must have the following: <ul style="list-style-type: none"> • State Reported = selected • Code = TSDL OR <ul style="list-style-type: none"> • State Reported = selected • Code = CC64b
R2.BR2	Reports a StudentCourse component for each Term the student receives a Grade on the reported grading task.
R2.BR3	Only one grading task or standard should be reported per course. If both are found on a course report first from grading tasks, then standards.
R3	Exception - Student w/o UICs If Students w/o UICs = selected, report all students that have a saved Score AND have a State ID = NULL.
R4	Exception - Missing Scores If Pull Missing Scores Only = selected, report all students from the State Reported Grading Task that have a Score = NULL.
R4.BR1	Do NOT report students that have a saved Score = NOT NULL.
R5	Exception - New Migrant Students If New Migrant Students = selected, report all students that are actively enrolled in a migrant program that have a program Start Date that occurs on or between the Previous Count Date and Count Date of the extract editor.
R5.BR1	Program has a Code = MIGRANT and State Reported = selected.
R5.BR2	Report StudentCourse / CompletionStatus = OE
R5.BR3	Course must have a grading task marked as State Reported and Code = TSDL
R6	Exception - Exited Migrant Students If Exited Migrant Students = selected, report all students that are actively enrolled in a migrant program that have a program End Date that occurs on or between the Previous Count Date and Count Date of the extract editor.
R6.BR1	Program has a Code = MIGRANT and State Reported = selected.
R6.BR2	Course must have a grading task marked as State Reported and Code = TSDL
R7	Filter results by student using Ad Hoc droplist on the extract editor.

Business Rule	Requirement
R8	Ensure excludes are working: State Exclude (enrollment), Calendar Exclude, Grade Level Exclude, No Show, and State Exclude (course editor)
R9	HTML and CSV Formats should report one record per student per course enrolled. A student can have multiple records reported.
R10	File Naming Convention: TeacherStudentDataLink.XML

Report Editor Fields

The following table describes the fields available in the extract editor.

Editor Field	Description
Extract Type	The type of extract being generated. In this case, select <i>Teacher Student Data Link</i> .
Count Date	The date on which the information in the report is valid.
Previous Count Date	The last date on which the report was run.
Students w/o UICs	Indicates if students who don't have identification numbers should still be included in the report.
Pull Missing Scores Only	If marked, indicates that only students who have a State Reported Grading Task with a Score of null are included in the report.
New Migrant Students	Limits the students reported to only those who are enrolled in an active Program with a Code of MIGRANT and State Reported selected.
Exited Migrant Students	Limits the students reported to only those who were actively enrolled in a Program with a Code of MIGRANT that has an End Date on or within the Previous Count Date and Count Date.
Submitting Entity	Describes the entity submitting the extract to the state.
Reporting Window	Indicates if the extract is being generated for an entire <i>School Year</i> or as a <i>Mid-Year</i> report.
Format	The format in which the report will generate. Use <i>State Format (XML)</i> for submission to the state and HTML or CSV for data review and verification.

Editor Field	Description
Ad hoc Filter	Use to select a previously-created Ad hoc Filter to further specify the report population. When an Ad hoc Filter is selected, records report based on the options selected in the editor, not the Campus toolbar.
Validate	Marking this checkbox will cause a validation to be run of the XML data to make sure it is correct. If errors are found, the extract will list these errors for correction based on the schema.
Include Protected Identity Info	Reports Demographics information from Census > People > Identities > Active Identity > Protected Identity Information.
Calendar(s)	The calendars for which data will be included in the report.

Generating the Teacher Student Data Link Extract

1. Select *Teacher Student Data Link* as the **Extract Type**.
2. Enter a **Count Date** *mmddyyyy* format or by clicking the calendar icon and selecting a date.
3. Enter a **Previous Count Date** in *mmddyyyy* format or by clicking the calendar icon and selecting a date.
4. Indicate if **Students without UICs** should still be included in the extract.
5. Indicate if only students who have a State Reported Grading Task with no score should report by marking the **Pull Missing Scores Only** checkbox.
6. Indicate the **Submitting Entity** of the extract.
7. Mark **New Migrant Students** to only report students in a Migrant program.
8. Mark **Exited Migrant Students** to only report those who have exited a Migrant program within the Count Date window.
9. Select the **Reporting Window** for which the extract is being generated.
10. Select the **Format** in which the report should be generated.
11. Select an **Ad hoc Filter** to determine what students appear in the extract. When an Ad hoc Filter is selected, records report based on the options selected in the editor, not the Campus toolbar.
12. Mark **Validate** to verify XML data.

For guidance in validating the XML file against your state's schema using a free, third-party program, see the [Validating an XML File Against a Schema File](#) article.

13. Indicate if the extract should **Include Protected Identity Info**.
14. Select the **Calendar(s)** to include in the extract.
15. Click **Generate Extract** to generate the report in the indicated format or **Submit to Batch** to schedule when the report should generate.

Users have the option of submitting a report request to the batch queue by clicking **Submit to**

Batch instead of Generate Extract. This process allows larger reports to generate in the background, without disrupting the use of Campus. For more information about submitting a report to the batch queue, see the [Batch Queue](#) article.

Teacher Student Data Link Report Layout

If the **Include Protected Identity Info** checkbox is marked in the extract editor, Demographics fields report from Census > People > Identities > Active Identity > Protected Identity Information.

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Submitting Entity Type Code	<p>This code is used by the system to identify which type of entity code will be reported in the Submitting Entity Code characteristic. Entity codes in EEM are unique within type categories. This characteristic identifies which category the system uses for validation of the submitting entity and to confirm user entity permissions.</p> <p>Valid options include: A: Agreement Number D: District B: Building</p> <p><i>Alphabetic, 1 character</i></p>	extract editor	

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Entity Code	<p>The entity responsible for the certification (if applicable) of the collection. Generally this is the entity receiving funding from the State. It may or may not be the entity that is directly providing education services to the student.</p> <p>Logic: If Submitting Entity = D, report State District Number; if Submitting Entity = D, report School Override; if School Override is NULL, report State School Number</p> <p><i>Numeric, 10 characters</i></p>	Student Information > General > Enrollment > State Reporting Fields > School Override AND System Administration > Resources > School > State School Number	School.number
UIC	<p>The Unique Identification Code, produced by the Center for Educational Performance and Information.</p> <p><i>Numeric, 10 digits</i></p>	Census > People > Demographics > Person Identifiers > State ID	Person.stateID

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Last Name	<p>Student's legal last name.</p> <p>Report the first 25 characters of the student's Last Name</p> <p><i>Alphabetic, 25 characters</i></p>	<p>Census > People > Demographics > Person Information > Last Name</p>	<p>Identity.lastName</p>
First Name	<p>Student's legal first name.</p> <p>Report the first 15 characters of the student's Last Name</p> <p><i>Alphabetic, 15 characters</i></p>	<p>Census > People > Demographics > Person Information > First Name</p>	<p>Identity.firstName</p>
Middle Name	<p>Student's legal middle name.</p> <p>Report the first 25 characters of the student's Middle Name</p> <p><i>Alphabetic, 25 characters</i></p>	<p>Census > People > Demographics > Person Information > Middle Name</p>	<p>Identity.middleName</p>
Suffix	<p>Suffix of student name, such as Jr., III, etc.</p> <p>Report the first 9 characters of the student's Suffix</p> <p><i>Alphabetic, 9 characters</i></p>	<p>Census > People > Demographics > Person Information > Suffix</p>	<p>Identity.suffix</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Date Of Birth	<p>Student's date of birth.</p> <p><i>Date field, 8 Characters, YYYYMMDD</i></p>	<p>Census > People > Demographics > Person Information > Birthdate</p>	<p>Identity.birthdate</p>
Multiple Birth Order	<p>Indicates that the student is part of a multiple birth, such as twins or triplets. If null, reports as 1.</p> <p>Whole Number</p> <p><i>Numeric, 1 digit</i></p>	<p>Student Information > General > MSDS Tab > Multiple Birth Order</p>	<p>Identity.multipleBirthOrder</p>
Gender	<p>Indicate if the student is male or female. Use code M when the student is male. Use code F when the student is female.</p> <p>"M" = Male "F" = Female</p> <p><i>Alphabetic, 1 character</i></p>	<p>Census > People > Demographics > Person Information > Gender</p>	<p>Identity.gender</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
OperatingISDESAN Number	<p>These codes are the state-assigned ISD/ESA numbers. Enter into the field the code of the ISD/ESA that has the operating district or program the student is attending. If the student is attending an ISD/ESA outside of the resident ISD/ESA, use the code for the operating ISD/ESA in which the program the student is attending is located.</p> <p>Numeric Text</p>	<p>System Administration > Resources > District Information > ISD/ESA Number</p>	
Operating District Number	<p>This is the state-assigned, five-digit code for the district submitting the student data. It is the district to which any applicable funds (state or federal) will be sent. All students for whom the district receives any state or federal funds should be reported. Every student record for a single district should have the same operating district number.</p> <p>Numeric Text</p> <p><i>Numeric, 5 digits</i></p>	<p>System Administrator > Resources > District Information > State District Number</p>	<p>District.number</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
School Facility Number	<p>These codes are the state-assigned numbers in the official Educational Entity Master (EEM).</p> <p><i>Numeric, 5 digits</i></p>	<p>Student Information > General > Enrollments > State Reporting Fields > School Override</p> <p>AND</p> <p>System Administration > Resources > School > State School Number</p>	<p>School.number</p>
Student ID Number	<p>The student's local district's student ID number may be placed in this field (with leading blanks).</p> <p><i>Numeric, 15 digits</i></p>	<p>Census > People > Demographics > Person Identifiers > Student Number</p>	<p>Person.studentNumber</p>
Grade Or Setting	<p>The grade level or educational setting in which the student is enrolled.</p> <p>Report 2 digit State Grade Level Code</p> <p><i>Numeric, 2 digits</i></p>	<p>Student Information > General > Enrollments > Grade</p> <p>AND</p> <p>System Administration > Calendar > Calendar > Grade Levels > State Grade Level Code</p>	<p>Enrollment.grade</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
S2E2Code	<p>"When the student is being educated through a Specialized Shared Educational Entity (S2E2), report the code from the Educational Entity Master (EEM) in this characteristic. An entity may be approved by MDE as a S2E2 when more than one district has formed a business relationship with other districts to offer educational services (e.g., special education). This does not refer to all school district consortia, but rather educational relationships that are formed for educational purposes. This may not be a stand-alone bricks-and-mortar entity. Students participating in a Specialized SEE may be in regular classrooms at the entities that host the SEEs. The ""school"" code, in this instance is not a building, but rather the relationship code."</p> <p>Report S2E2 Code. If NULL, do NOT report</p>	Student Information > General > Enrollments > State Reporting Fields > S2E2 Code	EnrollmentMl.s2e2Code

Element Name	<p>this field.</p> <p>Business Requirements and Business Rules</p> <p><i>Alphanumeric, 5 characters</i></p>	Data Source GUI Path	Database Field
<p>OutofLevelGrade</p>	<p>Report this field when submitting a student in a grade-level that is not checked in the "Grades Actual" field in the Educational Entity Master (EEM) for the reported building. The grade-level reported should match the EEM. If it does not, districts must validate that they are submitting a student in an out of level grade for that building.</p> <p>If student is enrolled in a grade with Out of Level (EEM) selected, report TRUE. Else do not report this field.</p> <p><i>Alphanumeric</i></p>	<p>System Administrator > Calendar > Grade Levels > Out of Level (EEM)</p>	
<p>Subject Area Code</p>	<p>The 2 digit code representing the subject area for the course in which the student is participating. (from the NCES Secondary School Course Classification System, proposed NCES Prior to Secondary School Course Classification System or state assigned code)</p>	<p>Course > Course Editor > NCES > SCED Subject Area</p>	<p>Course.scedSubjectArea</p>

Element Name	Report SCED Subject Area Secondary Requirements and Business Rules • 01 English Language and Literature	Data Source GUI Path	Database Field
	<ul style="list-style-type: none"> • 02 Mathematics • 03 Life and Physical Sciences • 04 Social Sciences and History • 05 Fine and Performing arts • 06 Foreign Language and Literature • 07 Religious Education and Theology • 08 Physical, Health and Safety Education • 10 Computer and Information Sciences • 11 Communication and Audio/Visual Technology • 12 Business and Marketing • 13 Manufacturing • 14 Health Care Sciences • 15 Public, Protective, and Government Services • 16 Hospitality and Tourism • 17 Architecture and Construction • 18 Agriculture, 		

Element Name	Food, and Business Natural Requirements and Resources Business Rules <ul style="list-style-type: none"> • 19 Human 	Data Source GUI Path	Database Field
	Services <ul style="list-style-type: none"> • 20 Transportation, Distribution, and Logistics • 21 Engineering and Technology • 22 Miscellaneous Elementary • 51 English Language and Literature • 52 Mathematics • 53 Life and Physical Sciences • 54 Social Sciences and History • 55 Fine and Performing Arts • 56 Foreign Language and Literature • 57 Religious Education and Theology • 58 Physical, Health and Safety Education • 60 Computer and Information Sciences • 61 Communication and Audio/Visual Technology • 62 Business and Marketing • 63 Manufacturing 		

Element Name	<ul style="list-style-type: none"> • 64 Health Care Sciences • 65 Public Protective, and Government Services • 66 Hospitality and Tourism • 67 Architecture and Construction • 68 Agriculture, Food, and Natural Resources • 69 Human Services • 70 Transportation, Distribution, and Logistics • 71 Engineering and Technology • 72 Miscellaneous • 73 Nonsubject Specific • 00 State Approved CTE Course 	Data Source GUI Path	Database Field
	<p><i>Numeric, 2 digits</i></p>		

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Course Identifier Code	<p>The 3 digit course identifier code for the course in which the student is participating. (from the NCES Secondary School Course Classification System or proposed NCES Prior to Secondary School Course Classification System)</p> <p>Report SCED Course Identifier.</p> <ul style="list-style-type: none"> • 028 Early childhood education • 029 Pre-kindergarten • 030 Kindergarten • 031 First grade • 032 Second grade • 033 Third grade • 034 Fourth grade • 035 Fifth grade • 036 Sixth grade • 037 Seventh grade • 038 Eighth grade • 039 Prior to secondary education • 041 IB Primary Years Program <p><i>Numeric, 3 digits</i></p>	<p>Course > Course Editor > NCES > SCED Subject Area</p>	

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Local Course ID	<p>The course identification code assigned by the educating entity. The purpose is to allow the district to send student record updates for specific courses (e.g., interim grade, followed by final grade).</p> <p>Report Course Number</p> <p><i>Alphanumeric, 10 characters</i></p>	<p>Course > Course Editor > Number</p>	<p>Course.number</p>
Local Course Title	<p>The course name assigned by the educating entity.</p> <p>Report Name</p> <p><i>Alphanumeric, 40 characters</i></p>	<p>Course > Course Editor > Name</p>	<p>Course.name</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Course Section ID	<p>The course section number as it would appear on a student transcript. This code may be used in combination with the Local Course ID to differentiate between individual classes. (e.g. First period Business Math vs second period Business Math, or a language arts course taught both virtually and in a traditional classroom)</p> <p>Report "Course Number-Section Number-Term Number"</p> <p><i>Alphanumeric, 10 characters</i></p>	<p>Course > Course Editor > Number Course > Section > Section Editor > Section Number Grading & Standards > Grading Tasks > Code</p>	<p>Course.number Section.number GradingTask.code</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
<p>MSIX Course Section ID</p>	<p>The MSIX Course Section ID describes the duration of the course taken for migrant students. A full year is a course that lasts the full school year. If a course is divided into two sections, the first of the two sections is section A, the second of the two sections is section B.</p> <p>If student is actively enrolled in a Program with Code = MIGRANT and State Reported = selected, report MSIX Course Section ID. Reports first from Section, then Course.</p> <ol style="list-style-type: none"> 1. If NULL, do not report this field. <p><i>Alphanumeric</i></p>	<p>Course > Section > MSIX Course Section ID</p> <p>Course > MIX Course Section ID</p> <p>Student Information > Program Participation > Programs</p>	<p>Section.msixCode Course.msixCode</p>

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Course Type	<p>The code best representing the level and rigor of the instruction provided throughout the reported course. Code 07 is to be used for college instructed courses for which the student will receive high school credit. The student may be participating in an Early/Middle College program or a dual enrollment program.</p> <p>Report Honors code. If NULL, report 01.</p> <p>Valid Codes:</p> <ul style="list-style-type: none"> • 01 --Regular (Default) • 02 --Honors • 03 --Pre-Advanced -A course in preparation to admission to an AP Program. • 04 --Advanced Placement • 05 -- International Baccalaureate • 06 --Not Applicable. • 07 -- Dual Enrollment/Early Middle College • 00 -Other 08 Concurrent Enrollment 	Course > Course Editor > Honors	Course.type

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Course Funding Program	<p>A program through which a course is funded.</p> <p>Report Course Funding Program. If NULL, do not report this field.</p> <p><i>Alphanumeric, 2 characters</i></p>	Course > Course Funding Program	Course.programType
Academic Year	<p>The academic year in which the student last attended the course (e.g. 2009-2010)</p> <p>Report School Year. Format: 23-24 school year would report 2023-2024</p> <p><i>Date field, 9 characters, YYYY-YYYY</i></p>	System Administration > Calendar > School Year	Calendar.startDate Calendar.endDate
Credits Granted	<p>The amount of credits granted to the student in Carnegie units for the course or a section of a course (e.g., 1.0, .50, .33, .25, .20).</p> <p>Reports sum of Credit Earned from the grading task.</p> <ol style="list-style-type: none"> If no credit is reported, do not report this field. <p><i>Numeric</i></p>	Student Information > General > Transcript	

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
<p>Course Grade</p>	<p>The grade the student received for completing the course. These should be board approved grades. The grade reported is that as would be reported on the high school transcript. If the student did not receive a grade for the course, the course and student information is not required to be submitted.</p> <ol style="list-style-type: none"> 1. Report Score from task/standard that has: <ol style="list-style-type: none"> 1. State Reported selected and a Code = TSDL 2. If no task with TSDL found, reports from task/standard with: <ol style="list-style-type: none"> 1. State Reported selected and a Code = CC64b <p><i>Alphanumeric, 2 characters</i></p>	<p>Course > Section > Grading by Task > Score Grading & Standards > Grading Tasks > State Reported, Code</p>	

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Completion Status	<p>The student's standing for this course when the student is no longer a participant.</p> <ol style="list-style-type: none"> 1. Report State Score tied to selected Score from grading task/standard that has: <ol style="list-style-type: none"> 1. State Reported selected and a Code = TSDL 2. If no task/standard with TSDL found, reports from task/standard with: <ol style="list-style-type: none"> 1. State Reported selected and a Code = CC64b <p><i>Alphanumeric, 2 characters</i></p>	Course > Section > Grading by Student > Score Grading & Standards > Score Groups > State Score Grading & Standards > Grading Tasks > State Reported, Code	

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
<p>MSIX Clock Hours</p>	<p>For migrant students whose courses have not been completed (or credit granted), the number of clock hours to date that the student has completed.</p> <p>If student is actively enrolled in a Program with Code = MIGRANT and State Reported = selected, and CompletionStatus NOT = CP, CF, or CS, report the (number of minutes / 60) the student is scheduled. Round to nearest integer.</p> <ol style="list-style-type: none"> 1. Use Term Start/End Date, Enrollment Start/End Date, and Roster Start/End Date to determine hours. <p><i>Numeric, 3 digits</i></p>	<p>Student Information > Program Participation > Programs</p>	
<p>College Credit</p>	<p>Used to capture Section 64b College credits.</p> <p>Report Credit of Score received by student of grading task with State Reported = selected and Code = CC64b.</p>	<p>Grading & Standards > Grading Tasks > State Reported, Code Course > Grading Task > Credit Course > Section > Grading by Student > Score</p>	

PIC Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
	<p>The Personnel Identification Code (PIC), as assigned in the Registry of Educational Personnel (REP), for each teacher responsible for some or all of the instruction of this course.</p> <p>Primary Teachers</p> <ol style="list-style-type: none"> Always report the primary teacher. <ol style="list-style-type: none"> Report Geographic Staff ID of staff member. If NULL, report Staff State ID. <p>Teachers/Section Staff:</p> <ol style="list-style-type: none"> If Role = 01, 02, 04, 05, or 06, reports staff member. <ol style="list-style-type: none"> Report Geographic Staff ID of staff member. If NULL, report Staff State ID. <p>Up to 3 staff members can be reported. If more than 3 staff members are assigned to the section, report the first 3.</p> <ol style="list-style-type: none"> Course > Section > Staff 	<p>Census > People > Demographics > Staff State ID, Geographic Staff ID Course > Section > Staff History > Role</p>	

Element Name	Business History Requirements and Business Rules	Data Source GUI	Database Field
Virtual Method	This field indicates whether the student	Path Course > Course Editor > Virtual	
	<p>is receiving instruction via a virtual delivery method. This method could be virtual learning, online learning or computer courses; distance learning; or self-scheduled virtual learning. Only reported if it applies to the course. Section 5-O of the Pupil Accounting Manual provides definitions.</p> <p>Report Virtual Method. If NULL, do not report this field.</p> <p><i>Alphanumeric, 1 character, T or F</i></p>	Method	

Element Name	Business Requirements and Business Rules	Data Source GUI Path	Database Field
Mentor PIC	<p>Indicates the instructor of this virtual course is serving in a mentor capacity. Mentor teachers must be certified.</p> <ol style="list-style-type: none"> 1. If staff member(s) have a Role = 5 or 6, report Geographic Staff ID or Staff State ID of staff member. 2. Only teachers related to the PIC element should be reported. Up to 3 staff members can be included. 	Course > Section > Staff History > Role	

Previous Versions

[Teacher Student Data Link \(Michigan\) \[.2211 - .2307\]](#)