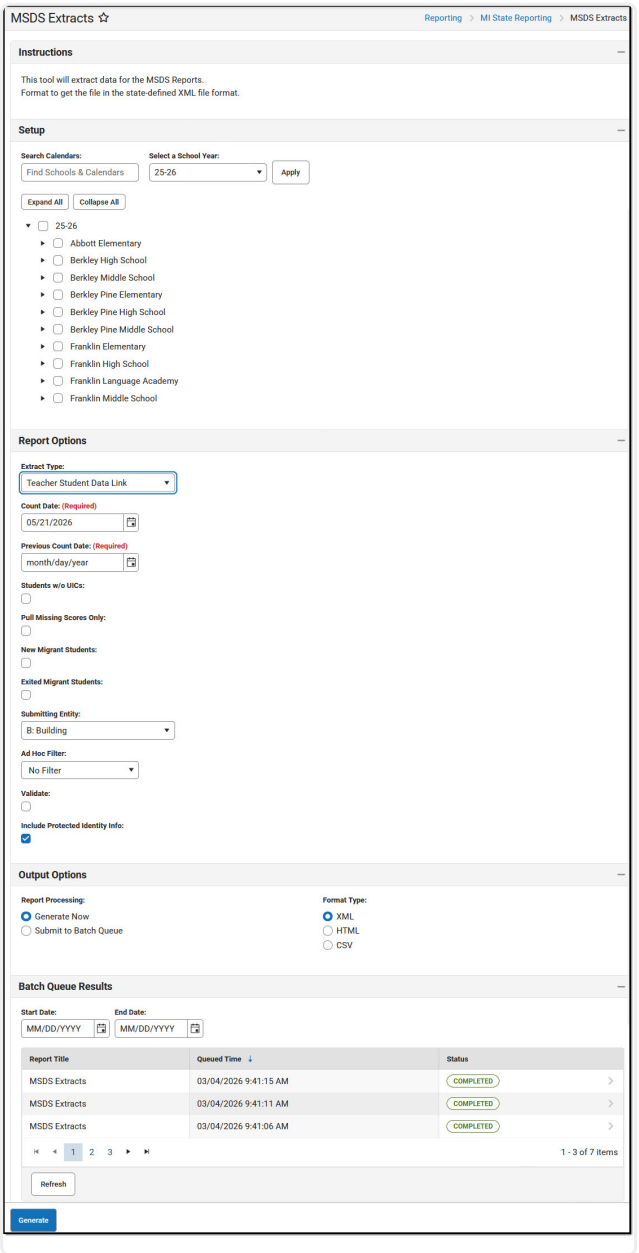
Teacher Student Data Link (Michigan)

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Tool Search: MSDS Extracts

The Teacher Student Data Link is an extract in the Michigan Student Data System (MSDS) tool 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 that reports on students' performance throughout the current academic year and their status at the end of the school year.



Report logic

Requirement
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.
StudentCourse - SCED Subject Area and SCED Course Identifier must be = NOT NULL. Courses with no NCES code should not be reported in the extract.
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.
Grading Task or Standard must have the following: • State Reported = selected • Code = TSDL OR • State Reported = selected • Code = CC64b
Reports a StudentCourse component for each Term the student receives a Grade on the reported grading task.
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.
Exception - Student w/o UICs If Students w/o UICs = selected, report all students with a saved Score AND a State ID = NULL.
Exception - Missing Scores If Pull Missing Scores Only = selected, report all State Reported Grading Task students with a Score = NULL.
Do NOT report students that have a saved Score = NOT NULL.
Exception - New Migrant Students If New Migrant Students = selected, report all students actively enrolled in a migrant program whose program Start Date occurs on or between the Previous Count Date and the Count Date of the extract editor.
Program has a Code = MIGRANT and State Reported = selected.
Report StudentCourse / CompletionStatus = OE
Course must have a grading task marked as State Reported and Code = TSDL

Requirement
Exception - Exited Migrant Students If Exited Migrant Students = selected, report all students actively enrolled in a migrant program with a program End Date that occurs on or between the Previous Count Date and the Count Date of the extract editor.
Program has a Code = MIGRANT and State Reported = selected.
Course must have a grading task marked as State Reported and Code = TSDL
Filter results by student using Ad Hoc droplist on the extract editor.
HTML and CSV Formats report one record per student per course enrolled. A student can have multiple records reported.
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 *Teacher Student Data Link*.
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, only students with 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 enrolled in an active Program with a Code of MIGRANT and State Reported selected.
Exited Migrant Students	Limits the students reported to only those 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 generated for an entire *School Year* or as a *Mid-Year* report.
Format	The format in which the report will be generated. Use *State Format (XML)* for submission to the state and HTML or CSV for data review and verification.

Editor Field	Description
Ad hoc Filter	Use this to select a previously created ad hoc filter to specify the report population further. When an Ad hoc Filter is selected, the report is based on the options selected in the editor, not the Campus toolbar.
Validate	Marking this checkbox will validate the XML data to ensure its accuracy. If errors are found, the extract will list them 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.

Generate the Teacher Student Data Link Extract

1. Select the **Calendar(s)** to include in the report.
2. Select the *Teacher Student Data Link* **Extract Type**.
3. Enter the **Count Date** in *mmddyyyy* format, or click the calendar icon to select a date. A snapshot of data is taken as it exists on this date.
4. Enter the **Previous Count Date** in *mmddyyyy* format, or click the calendar icon to select a date. This date correlates with the Count Date entered. Student data reports within the date range entered in these two fields.
5. If desired, check the **Student w/o UICs** checkbox. Checking this checkbox means only those students within the selected calendar(s) who do not have a State ID assigned are reported. Not checking this checkbox means all students within the selected calendar(s) are eligible for reporting.
6. Mark **New Migrant Students** to only report students in a Migrant program.
7. Mark **Exited Migrant Students** to only report those who have exited a Migrant program within the Count Date window.
8. Select the **Submitting Entity** to indicate the entity submitting the extract to the state.
9. Select an **Ad hoc Filter** to limit the records reported. When an Ad hoc Filter is selected, the report is based on the options selected in the editor, not the Campus toolbar.
10. If desired, check the **Validate** checkbox. If checked, Infinite Campus runs a validation of the XML data. If errors are found, the extract lists them for correction based on the schema.

    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.

11. The **Include Protected Identity Info** checkbox defaults to marked. Deselect if appropriate.
12. Select the **Format Type.**
13. Click **Generate** Extract to generate the report in the indicated format, or click Submit to

Batch to schedule when the report should be generated.

- Users may select **Submit to Batch Queue** to generate larger reports in the background without disrupting Campus. For more information on 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, the Demographics fields report from Census > People > Identities > Active Identity > Protected Identity Information

Element Name	Business Requirements and Business Rules	Location
Submitting Entity Type Code	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. Valid options include: A: Agreement Number D: District B: Building *Alphabetic, 1 character*	Extract editor

Element Name	Business Requirements and Business Rules	Location
Entity Code	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. 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 *Numeric, 10 characters*	Enrollment > State Reporting Fields > School Override AND School Information > State School Number School.number
UIC	The Unique Identification Code, produced by the Center for Educational Performance and Information. *Numeric, 10 digits*	Demographics > Person Identifiers > State ID Person.stateID
Last Name	Student's legal last name. Reports from the identity record active on the Count Date of the extract editor • If Legal Last Name = NOT NULL, report Legal Last Name • If Legal Last Name = NULL, report Last Name *Alphabetic, 25 characters*	Demographics > Person Information > Last Name Identity. lastName

Element Name	Business Requirements and Business Rules	Location
First Name	Student's legal first name. Reports from the identity record active on the Count Date of the extract editor • If Legal Last Name = NOT NULL, report Legal First Name • If Legal First Name = NULL, report First Name *Alphabetic, 15 characters*	Demographics > Person Information > First Name Identity.firstName
Middle Name	Student's legal middle name. Reports from the identity record active on the Count Date of the extract editor • If Legal Last Name = NOT NULL, report Legal Middle Initial • If Legal Middle Name = NULL, report Middle Initial *Alphabetic, 25 characters*	Demographics > Person Information > Middle Name Identity. middleName
Suffix	Suffix of student name, such as Jr., III, etc. Reports from the identity record active on the Count Date of the extract editor. • If Legal Last Name = NOT NULL, report Legal Suffix • If Legal Suffix = NULL, report Suffix *Alphabetic, 9 characters*	Demographics > Person Information > Suffix Identity.suffix
Date Of Birth	Student's date of birth. Reports from the identity record active on the Count Date of the extract editor. *Date field, 8 Characters, YYYYMMDD*	Demographics > Person Information > Birthdate Identity.birthdate

Element Name	Business Requirements and Business Rules	Location
Multiple Birth Order	Indicates that the student is part of a multiple birth, such as twins or triplets. If null, reports as 1. Whole Number *Numeric, 1 digit*	MSDS Tab > Multiple Birth Order Identity.multipleBirthOrder
Gender	Reports from the identity record active on the Count Date of the extract editor. • If Legal Last Name = NOT NULL, report Legal Gender • If Legal Gender = NULL, report Gender • "M" = Male "F" = Female *Alphabetic, 1 character*	Demographics > Protected Identity Identity.gender
OperatingISDESAN Number	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. Numeric Text	District Information > ISD/ESA Number

Element Name	Business Requirements and Business Rules	Location
Operating District Number	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. Numeric Text *Numeric, 5 digits*	District Information > State District Number District.number
School Facility Number	These codes are the state-assigned numbers in the official Educational Entity Master (EEM). *Numeric, 5 digits*	Enrollments > State Reporting Fields > School Override **AND** School Information > State School Number School.number
Student ID Number	The student's local district's student ID number may be placed in this field (with leading blanks). *Numeric, 15 digits*	Demographics > Person Identifiers > Student Number Person.studentNumber
Grade Or Setting	The grade level or educational setting in which the student is enrolled. Report 2 digit State Grade Level Code *Numeric, 2 digits*	Enrollments > Grade **AND** Calendar Information > Grade Levels > State Grade Level Code Enrollment.grade

Element Name	Business Requirements and Business Rules	Location
S2E2Code	"When the student is being educated through a Specialized Shared Educational Entity (S2E2), report the code from the Educational Enity 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." Report S2E2 Code. If NULL, do **NOT** report this field. *Alphanumeric, 5 characters*	Enrollments > State Reporting Fields > S2E2 Code EnrollmentMI.s2e2Code

Element Name	Business Requirements and Business Rules	Location
OutofLevelGrade	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. If student is enrolled in a grade with Out of Level (EEM) selected, report **TRUE**. Else do not report this field. *Alphanumeric*	Grade Level Setup > Out of Level (EEM)
Subject Area Code	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) Report SCED Subject Area Secondary • 01 English Language and Literature • 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	Course Information > NCES > SCED Subject Area Course.scedSubjectArea

Element Name	Business Requirements and Business Rules	Location
	• 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, Food, and Natural Resources • 19 Human Services • 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 • 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	

Element Name	Business Requirements and Business Rules	Location
	• 70 Transportation, Distribution, and Logistics • 71 Engineering and Technology • 72 Miscellaneous • 73 Nonsubject Specific • 00 State Approved CTE Course *Numeric, 2 digits*	
Course Identifier Code	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 Classisfication System) Report SCED Course Identifier. • 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 *Numeric, 3 digits*	Course Information > NCES > SCED Subject Area

Element Name	Business Requirements and Business Rules	Location
Local Course ID	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). Report Course Number *Alphanumeric, 10 characters*	Course Information > Number Course.number
Local Course Title	The course name assigned by the educating entity. Report Name *Alphanumeric, 40 characters*	Course Information > Name Course.name
Course Section ID	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) Report "Course Number-Section Number-Term Number" *Alphanumeric, 10 characters*	Course Information > Number Section Information > Section Number Grading & Standards > Grading Setup > Grading Task Setup > Code Course.number Section.number GradingTask.code

Element Name	Business Requirements and Business Rules	Location
MSIX Course Section ID	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. 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. 1. If NULL, do not report this field. *Alphanumeric*	Section Information > MSIX Course Section ID Course Information > MIX Course Section ID Section.msixCode Course.msixCode Program Participation > Programs

Element Name	Business Requirements and Business Rules	Location
Course Type	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. Report Honors code. If NULL, report 01. **Valid Codes:** • 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 *Numeric, 2 digits*	Course Information > Honors Course.type
Course Funding Program	A program through which a course is funded. • Report Course Funding Program Override on section. • If Course Funding Program Override = NULL, report CourseFundingProgram from course. • If both are NULL, do not report this field. *Alphanumeric, 2 characters*	Section Information > Course Funding Program Override Course Information > Course Funding Program Course.programType

Element Name	Business Requirements and Business Rules	Location
Academic Year	The academic year in which the student last attended the course (e.g. 2009-2010) Report School Year. **Format:** 23-24 school year would report 2023-2024 *Date field, 9 characters, YYYY-YYYY*	Calendar Information > School Year Calendar.startDate Calendar.endDate
Credits Granted	1. Reports Credit Earned (passing score) from the grading task that has: ◦ State Reported selected and a Code = TSDL 2. If no task with TSDL found, reports Credit Earned from task/standard with: ◦ State Reported selected and a Code = CC64b 3. If no credit is reported, do not report this field. *Numeric*	Transcript

Element Name	Business Requirements and Business Rules	Location
Course Grade	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. 1. Report Score from task/standard that has: ◦ State Reported selected and a Code = TSDL 2. If no task with TSDL found, reports from task/standard with: ◦ State Reported selected and a Code = CC64b *Alphanumeric, 2 characters*	Course > Section > Grading by Task > Score Grading & Standards > Grading Tasks > State Reported, Code
Completion Status	The student's standing for this course when the student is no longer a participatant. 1. Report State Score tied to selected Score from grading task/standard that has: ◦ State Reported selected and a Code = TSDL 2. If no task/standard with TSDL found, reports State Score tied to selected Score from task/standard with: ◦ State Reported selected and a Code = CC64b *Alphanumeric, 2 characters*	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	Location
MSIX Clock Hours	For migrant students whose courses have not been completed (or credit granted), the number of clock hours to date that the student has completed. 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. 1. Use Term Start/End Date, Enrollment Start/End Date, and Roster Start/End Date to determine hours. *Numeric, 3 digits*	Student Information > Program Participation > Programs
College Credit	Used to capture Section 64b College credits. Report Credit of Score received by student of grading task with State Reported = selected and Code = CC64b.	Grading & Standards > Grading Tasks > State Reported, Code Course > Grading Task > Credit Course > Section > Grading by Student > Score

Element Name	Business Requirements and Business Rules	Location

PIC	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.
	
	Primary Teachers
	1. Always report the primary teacher.
	    1. Report Geographic Staff ID of staff member. If NULL, report Staff State ID.
	
	Teachers/Section Staff:
	1. If Role = 01, 02, 04, 05, or 06, reports staff member.
	    1. Report Geographic Staff ID of staff member. If NULL, report Staff State ID.
	
	Up to 3 staff members can be reported. If more than 3 staff members are assigned to the section, report the first 3.
	1. Course > Section > Staff History
		Demographics > Staff State ID, Geographic Staff ID
		
		Section information > Staff History > Role

Element Name	Business Requirements and Business Rules	Location
Virtual Method	This field indicates whether the student 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. Report Virtual Method. If NULL, do not report this field. *Alphanumeric, 1 character, T or F*	Course Information > Virtual Method
Mentor PIC	Indicates the instructor of this virtual course is serving in a mentor capacity. Mentor teachers must be certified. 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.	Section Information > Staff History > Role