

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

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Search Terms: 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.

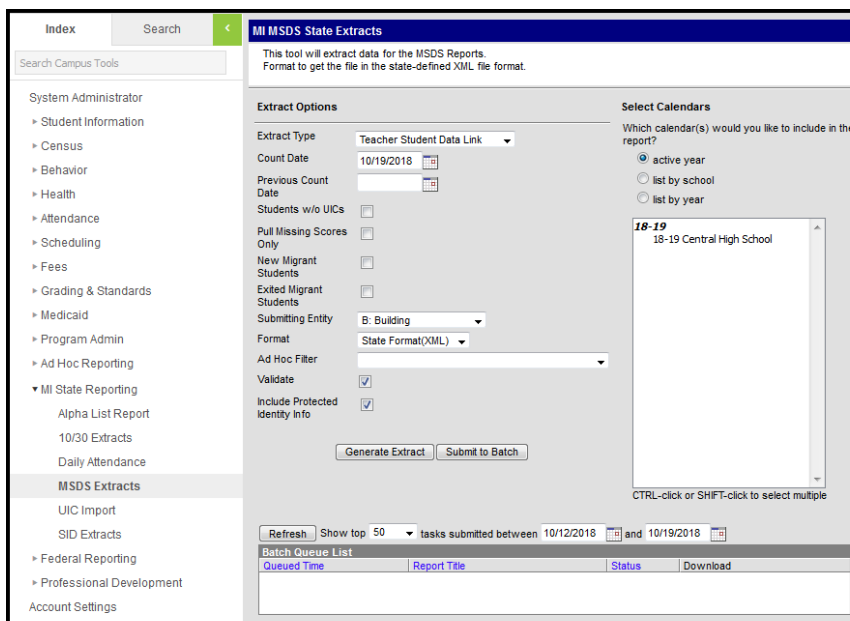


Image 1: Teacher Student Data Link Extract Editor

Report Logic

The following logic is enforced in this extract:

- Reports one record per student for students enrolled in one or more courses within the date range on the extract editor. Students with no course information will not be included in the extract.
- Reports one record per school. Multiple calendars from the same school will be combined into one school record.
- Students must have a score for a Grading Task or Standard that is marked 'State Reported'

and has a Code selected to be included in the extract. To report a record, Grading Tasks must have Score Group values mapped to State Codes, and for Standards, the rubric values must be mapped to State Codes.

- Enrollments, Calendars, Courses or Grade Levels marked as "State Exclude" will not be included in the report.
- To report, a course must have a SCED Course Identifier.
- Student records are grouped by student UIC number and the calendar in which the student is enrolled. Students report only one record per calendar, but each student record can have multiple course records attached. A course record reports for each Term in which the students receives a grade on a reported task/standard.

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	Indicates if only students who have a State Reported Grading Task with a Score of null will be 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 will be reported 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)** that should be included in the extract.
15. Click **Generate Extract** to generate the report in the indicated format or **Submit to Batch** to schedule when the report will 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.

```
- <TeacherStudentDataLink>
- <SubmittingEntity>
  <SubmittingEntityTypeCode>B</SubmittingEntityTypeCode>
  <SubmittingEntityCode>00765</SubmittingEntityCode>
</SubmittingEntity>
- <PersonalCore>
  <UIC>123456789</UIC>
  <LastName>Test</LastName>
  <FirstName>Brad</FirstName>
  <DateOfBirth>1995-10-10</DateOfBirth>
  <MultipleBirthOrder>1</MultipleBirthOrder>
  <Gender>F</Gender>
</PersonalCore>
- <SchoolDemographics>
  <OperatingISDESANumber>39</OperatingISDESANumber>
  <OperatingDistrictNumber>39030</OperatingDistrictNumber>
  <SchoolFacilityNumber>00765</SchoolFacilityNumber>
  <StudentIdNumber>25485</StudentIdNumber>
  <GradeOrSetting>09</GradeOrSetting>
</SchoolDemographics>
```

Image 2: Teacher Student Data Link - State Format (XML)

Records:1494

SubmittingEntityTypeCode	entityCode	UIC	lastName	firstName	middleName	suffix	birthdate	multiplebirth	gender	operatingISDESANumber
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53
B	00181	1234567890	Smith	Frank	Harry	III	1995-10-27	0	M	53

Image 3: Teacher Student Data Link - HTML Format

	A	B	C	D	E	F	G	H	I	J	K
1	Submittin	entityCod	UIC	lastName	firstName	middleNa	suffix	birthdate	multipleb	gender	operating
2	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
3	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
4	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
5	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
6	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
7	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
8	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
9	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53
10	B	181	1234567890	Smith	Frank	Harry	III	10/27/1995	0	M	53

Image 4: Teacher Student Data Link - CSV Format

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	Description & Format	Campus Location
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 * Always report B even though there are other valid values.</p> <p><i>Alphabetic, 1 character</i></p>	Not dynamically stored
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>	<p>Student Information > General > Enrollment > State Reporting Fields > School Override AND System Administration > Resources > School > State School Number</p> <p>School.number</p>
UIC	<p>The Unique Identification Code, produced by the Center for Educational Performance and Information.</p> <p><i>Numeric, 10 digits</i></p>	<p>Census > People > Demographics > State ID</p> <p>Person.stateID</p>

Element Name	Description & Format	Campus Location
Last Name	Student's legal last name. <i>Alphabetic, 25 characters</i>	Census > People > Demographics > Last Name Identity.lastName
First Name	Student's legal first name. <i>Alphabetic, 15 characters</i>	Census > People > Demographics > First Name Identity.firstName
Middle Name	Student's legal middle name. <i>Alphabetic, 25 characters</i>	Census > People > Demographics > Middle Name Identity.middleName
Suffix	Suffix of student name, such as Jr., III, etc. <i>Alphabetic, 9 characters</i>	Census > People > Demographics > Suffix Identity.suffix
Date Of Birth	Student's date of birth. <i>Date field, 8 Characters, YYYYMMDD</i>	Census > People > Demographics > Birthdate Identity.birthdate
Multiple Birth Order	Indicates that the student is part of a multiple birth, such as twins or triplets. If null, reports as 1. <i>Numeric, 1 digit</i>	Census > People > Demographics > Multiple Birth Order Identity.multipleBirthOrder
Gender	Indicate gender of student. Valid options include M: Male and F: Female. <i>Alphabetic, 1 character</i>	Census > People > Demographics > Gender Identity.gender
Operating District Number	The state-assigned code for the district submitting the data. <i>Numeric, 5 digits</i>	System Administration > Resources > District Information > NCES DistrictID District.number
School Facility Number	The state-assigned number of the official Educational Entity Master (EEM). <i>Numeric, 5 digits</i>	Student Information > General > Enrollments > School Override AND System Administration > Resources > School > State School Number School.number

Element Name	Description & Format	Campus Location
Student ID Number	<p>The student's local district's student ID number.</p> <p><i>Numeric, 15 digits</i></p>	<p>Census > People > Demographics > 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><i>Numeric, 2 digits</i></p>	<p>Student Information > General > Enrollments > Grade AND System Administration > Calendar > Calendar > Grade Levels > State Grade Code Level</p> <p>Enrollment.grade</p>
S2E2Code	<p>Indicates that the student is being educated a Specialized Shared Educational Entity (S2E2). Reports the code entered in the S2E2 field. If Null, the fields will not report.</p> <p><i>Alphanumeric, 5 characters</i></p>	<p>Student Information > General > Enrollments > State Reporting Fields > S2E2 Code</p> <p>EnrollmentMI.s2e2Code</p>
Bldg Otherwise Attend	<p>This field reports the Building Otherwise Attend value selected on the student's enrollment, indicating the school that the student would have otherwise attended other than the enrolled school.</p> <p><i>Alphanumeric</i></p>	<p>Student Information > General > Enrollments > State Reporting Fields > Building Otherwise Attend</p> <p>Enrollment.facilityCode</p>
Subject Area Code	<p>The subject area of the course in which the student is enrolled.</p> <p>See options in the following Subject Area Options table.</p> <p><i>Numeric, 2 digits</i></p>	<p>Scheduling > Courses > Course > NCES > SCED Subject Area</p> <p>Course.scedSubjectArea</p>
Course Identifier Code	<p>The code identifying the course in which the student is enrolled.</p> <p>See options in the following State Code Options table.</p> <p><i>Numeric, 3 digits</i></p>	<p>Scheduling > Courses > Course > NCES > SCED Course Identifier</p> <p>Course.scedCourseId</p>
Local Course ID	<p>The course identification number assigned by the school or district.</p> <p><i>Alphanumeric, 10 characters</i></p>	<p>Scheduling > Courses > Course > Number</p> <p>Course.number</p>

Element Name	Description & Format	Campus Location
Local Course Title	The name given to the course by the school or district. <i>Alphanumeric, 40 characters</i>	Scheduling > Courses > Course > Name Course.name
Course Section ID	The identification number of the course section. Reports Course Number-Section Number-Term Number. <i>Alphanumeric, 10 characters</i>	Scheduling > Courses > Number Scheduling > Courses Section > Number Grading & Standards > Grading Tasks > Code Course.number Section.number GradingTask.code
MSIX Course Section ID	The duration of the course taken by migrant students. If the student is enrolled in an active, state-reported Program with a code of Migrant, reports the MSIX Course Section ID. Reports first from the Section, then from the Course if null. <i>Alphanumeric</i>	Scheduling > Courses > Section > MSIX Course Section ID; Course > MSIX Course Section ID; Student Information > Program Participation > Programs Section.msixCode Course.msixCode
Course Type	A code describing the level and difficulty of the course. If null, reports as 01. See options in the following Course Type Options table. <i>Numeric, 2 digits</i>	Scheduling > Courses > Course > Type Course.type
Course Funding Program	Reports the Course Funding Program selected on the Course tab or as null if blank. <i>Alphanumeric, 2 characters</i>	Scheduling > Courses > Course > Course Funding Program Course.programType
Academic Year	The academic year in which the student attended the course. <i>Date field, 9 characters, YYYY-YYYY</i>	System Administration > Calendar > Calendar > Start Date and End Date Calendar.startDate Calendar.endDate

Element Name	Description & Format	Campus Location
Credits Granted	<p>The amount of credits granted to the student in Carnegie units. Reports the sum of Credit Earned for the grading task. Field does not report if no credits were earned.</p> <p><i>Numeric</i></p>	Student Information > General > Transcript
Course Grade	<p>The grade the student received for completing the course. Reports the Score for the State Reported task/standard with a Code of TSDL. If no task or standard with a Code of TSDL is found, reports from the State Reported task/standard with a Code of CC64b.</p> <p><i>Alphanumeric, 2 characters</i></p>	Scheduling > Courses > Section > Grading by Task > Score; Grading & Standards > Grading Tasks, Standards Bank > State Reported, Code
Completion Status	<p>The student's standing for this course when the student is no longer a participant. Reports the State score tied to the selected score from the State Reported grading task with a Code of TSDL. Reports as OE if New Migrant Students is marked in the extract editor.</p> <p><i>Alphanumeric, 2 characters</i></p>	<p>Scheduling > Courses > Section > Grading by Task > Score Grading & Standards > Score Groups > State Score Grading & Standards > Grading Tasks > State Reported</p> <p>Calculated, not dynamically stored</p>
MSIX Clock Hours	<p>Reports the number of clock hours to date that the student has completed, if the course has not been completed. If the student is actively enrolled in a State Reported Program with a Code of Migrant, and End Date on or between the Previous Count Date and Count Date, and a Completion Status other than CP, CF, or CS, reports the number of minutes divided by 60 that the student is scheduled into courses, rounded to the nearest whole number.</p> <p><i>Numeric, 3 digits</i></p>	<p>Student Information > Program Participation > Programs</p> <p>Calculated, not dynamically stored</p>

Element Name	Description & Format	Campus Location
College Credit	<p>Reports the Credit for the Score received by the student for the grading task marked as State Reported with a Code of CC64b.</p> <p>For this field to report, the course must have two Grading Tasks aligned, one with a Code of TSDL and one with a code of CC64b.</p> <p><i>Numeric, 1 digit</i></p>	<p>Scheduling > Courses > Section > Grading by Task > Score</p> <p>Scheduling > Courses > Grading Task > Credit</p> <p>Grading & Standards > Grading Tasks > State Reported, Score</p> <p>Calculated, not dynamically stored</p>
PIC1	<p>The Personnel Identification Code (PIC) as assigned in the Registry of Educational Personnel for each teacher responsible for some or all of the instruction of this course.</p> <p>Reports based on the teacher's Role on the section's Staff History tab.</p> <p><i>Numeric, 10 digits</i></p>	<p>Census > People > Demographics > Geographic Staff ID, Staff State ID</p> <p>Person.geographicStaffStateID</p> <p>Person.staffStateID</p>
PIC2	<p>The Personnel Identification Code (PIC) of the secondary teacher of the course.</p> <p>Reports based on the teacher's Role on the section's Staff History tab.</p> <p><i>Numeric, 10 digits</i></p>	<p>Census > People > Demographics > Geographic Staff ID, Staff State ID</p> <p>Person.geographicStaffStateID</p> <p>Person.staffStateID</p>
PIC3	<p>The Personnel Identification Code (PIC) of an additional teacher of the course.</p> <p>Reports based on the teacher's Role on the section's Staff History tab.</p> <p><i>Numeric, 10 digits</i></p>	<p>Census > People > Demographics > Geographic Staff ID, Staff State ID</p> <p>Person.geographicStaffStateID</p> <p>Person.staffStateID</p>
Virtual Method	<p>Indicates if the course is taught through virtual methods such as online learning.</p> <p>Reports the Virtual Method from the section, or from the Course if null.</p> <p><i>Alphanumeric, 1 character, T or F</i></p>	<p>Scheduling > Courses > Section > Virtual Method OR Course > Virtual Method</p> <p>Section.virtualMethod</p> <p>Course.distanceCode</p>
Mentor PIC	<p>Indicates the instructor of the virtual course is serving in a mentor capacity. If the staff member has a Role of MT, reports the Geographic Staff ID, or the State Staff ID if null.</p> <p><i>Numeric, 10 digits</i></p>	<p>Scheduling > Courses > Section > Staff History > Role; Census > People > Demographics > Geographic Staff ID, Staff State ID</p> <p>Person.geographicStaffStateID</p> <p>Person.staffStateID</p>

Element Name	Description & Format	Campus Location
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Subject Area Options

Code	Description
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
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

Code	Description
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
70	Transportation, Distribution, and Logistics
71	Engineering and Technology
72	Miscellaneous
73	Non-subject Specific
99	Special Education
00	State Approved CTE Course

State Code Options

Code	Description
028	Early childhood education
029	Pre-kindergarten
030	Kindergarten
031	First grade

Code	Description
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

Course Type Options

Code	Description
01	Regular
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
08	Concurrent Enrollment
00	Other