



2017-2018
Texas Education Data Standards (TEDS)

Section 7 Interchange Schemas

Final Version 2018.F.1.0
March 1, 2017

Table of Contents

Interchange Schemas	1
Education Organization Interchange	1
Education Organization Calendar Interchange.....	1
Master Schedule Interchange	2
Student Interchange.....	2
Student-Parent Interchange	2
Student Enrollment Interchange.....	2
Staff Association Interchange	2
Student Attendance Interchange.....	2
Student Discipline Interchange.....	2
Student Grade Interchange.....	3
Student Transcript Interchange	3
Student Program Interchange	3
Assessment Metadata Interchange.....	3
Student Assessment Interchange	3
Student Cohort Interchange	3
Shared Services Arrangement Organization Interchange	3
Finance Interchange	4
Student Restraint Interchange.....	4

Interchange Schemas

Interchange schemas are built from the reusable types of the Ed-Fi Core and Texas Core Extension interchange library. The following interchange schemas will be used for loading data to the Education Data Warehouse (EDW).

Interchange Load Order & Collection Submissions

Due to referential integrity of the data, the interchanges must be loaded in the order shown below.

Interchange Load Order & Collection Submission Table

Load Order	Interchange	PEIMS Collections	TSDS Collection
1	InterchangeEducationOrganizationExtension	1, 2, 3, 4	Y
2	InterchangeEducationOrgCalendarExtension	3	Y
3	InterchangeMasterScheduleExtension	3, 4	Y
4	InterchangeStudentExtension	1, 3, 4	N/A
5	InterchangeStudentParentExtension	N/A	Y
6	InterchangeStudentEnrollmentExtension	1, 3, 4	Y
7	InterchangeStaffAssociationExtension	1, 3	Y
8	InterchangeStudentAttendanceExtension	3, 4	Y
9	InterchangeStudentDisciplineExtension	3	Y
10	InterchangeStudentGradeExtension	N/A	Y
11	InterchangeStudentTranscriptExtension	3,4	Y
12	InterchangeStudentProgramExtension	1, 3, 4	Y
13	InterchangeAssessmentMetadataExtension	N/A	Y
14	InterchangeStudentAssessment	N/A	Y
15	InterchangeStudentCohort	N/A	Y
16	InterchangeSSAOrganizationAssociationExtension	1, 2	N
17	InterchangeFinanceExtension	1, 2	N
18	InterchangeStudentRestraintEventExtension	3	N

Education Organization Interchange

The interchange schema for Education Organization can be used to exchange organizational information about a state's education agencies, from campus to Local Education Agency to Education Service Center to State Education Agency. In addition, the interchange (optionally) supports the definition of the education offerings provided by campuses, specifically the courses taught, the sections in each course offered and the class period and location of those sections, and the alternative/supplemental programs offered.

PEIMS Collection: 1, 2, 3, 4

[Open Education Organization Interchange Schema](#)

Education Organization Calendar Interchange

The interchange schema for Education Organization Calendar information is used to exchange LEA-wide or campus-specific school calendars that define the instructional, in-service, holidays, weather days, etc.

PEIMS Collection: 3

[Open Education Organization Calendar Interchange Schema](#)

Master Schedule Interchange

The interchange schema for the Master Schedule is for education organization's education course offerings schedule.

PEIMS Collection: 3, 4

[Open Shared Master Schedule Interchange Schema](#)

Student Interchange

The interchange schema for Student information can be used when only student identification, characteristic, and demographic information is required to be exchanged. The Student information includes identifiers, name sex, ethnicity and race, birth data and contact information. In addition, flags are included for economically disadvantaged, school food service eligibility, and limited English proficiency. Information is included regarding the student's home situation, language(s), displacement status, and disabilities.

PEIMS Collection: 1, 3, 4

[Open Student Interchange Schema](#)

Student-Parent Interchange

The interchange schema for Student-Parent information builds upon the Student interchange to add the student's Parent (or guardian, caretaker, etc.) information and the association that relates students to the parents. The student-parent association captures the relationship between the student and parent as well specific flags for which parent is the primary contact, which parent the student lives with, and which is the emergency contact.

PEIMS Collection: N/A

[Open Student-Parent Interchange Schema](#)

Student Enrollment Interchange

The interchange schema for Student Enrollment information can be used to exchange campus enrollments and/or enrollments in specific class sections.

PEIMS Collection: 1, 3, 4

[Open Student Enrollment Interchange Schema](#)

Staff Association Interchange

The interchange schema for Staff Association information can be used to exchange a wide variety of personnel, demographic, employment, assignment, teaching, and attendance information about staff of education organizations.

PEIMS Collection: 1, 3

[Open Staff Association Interchange Schema](#)

Student Attendance Interchange

The interchange schema for Student Attendance information can be used to exchange daily attendance or class-level attendance. The interchange schema can be used in cases where just absences are reported, or where both attendance and absences are reported.

PEIMS Collection: 3, 4

[Open Student Attendance Interchange Schema](#)

Student Discipline Interchange

The interchange schema for Student Discipline can be used to exchange discipline incidents and discipline actions. The exchange may be used to exchange student discipline data for student records or longitudinal analysis or used to exchange anonymous discipline data.

PEIMS Collection: 3

[Open Student Discipline Interchange Schema](#)

Student Grade Interchange

The interchange schema for Student Grade information can be used to exchange grade information, report card grades for a grading period, end-of-year report card or graduation associated with a student.

PEIMS Collection: N/A

[Open Student Grade Interchange Schema](#)

Student Transcript Interchange

The interchange schema for Student Transcript information can be used to exchange a complete academic record and select course transcript information associated with a student.

PEIMS Collection: 3, 4

[Open Student Transcript Interchange Schema](#)

Student Program Interchange

The interchange schema for Student Program information can be used to exchange students' participation in programs. The interchange includes extensions for Bilingual, English as a Second language (ESL), Extended Year Services (ESY), Special Education, Career and Technical Education (CTE), Supplemental Services, and Title I Part A programs.

PEIMS Collection: 1, 3, 4

[Open Student Program Interchange Schema](#)

Assessment Metadata Interchange

The interchange schema for Assessment Metadata can be used to exchange test metadata (i.e., data that describes the assessment). This includes information about the overall test, the learning objectives tested, the student expectations tested, and in the individual assessment items. The companion Student Assessment Interchange would be used to exchange students' assessment scores.

PEIMS Collection: N/A

[Open Assessment Metadata Interchange Schema](#)

Student Assessment Interchange

The interchange schema for Student Assessment information can be used to exchange the scores and other results associated with a test assessment (e.g., TAKS, PSAT, SAT, ACT, benchmark assessments). The interchange schema supports reporting of different types of scores (e.g., raw scores, scale score, vertical scores, percentiles), absence information, and test accommodations. Scores may be exchanged at the test, objective and item levels. The companion Assessment Metadata Interchange would be used to exchange descriptive data about an assessment.

PEIMS Collection: N/A

[Open Student Assessment Interchange Schema](#)

Student Cohort Interchange

The interchange schema for Cohort is used to exchange any type of list of designated students for tracking, analysis, or intervention.

PEIMS Collection: N/A

[Open Student Cohort Interchange Schema](#)

Shared Services Arrangement Organization Interchange

The interchange schema for Shared Services Arrangement is used to exchange the education organization to which another education organization (fiscal agent) provides services.

PEIMS Collection: 1, 2

[Open Shared Services Arrangement Organization Interchange Schema](#)

Finance Interchange

The interchange schema for Finance information is used to exchange financial data such as actual, budget, and shared services arrangement actual.

PEIMS Collection: 1, 2

[Open Finance Interchange Schema](#)

Student Restraint Interchange

The interchange schema for Student Restraint is used to exchange the student restraint events.

PEIMS Collection: 3

[Open Student Restraint Interchange Schema](#)