Appendix A – Data Element Lists

Because TREx uses a single XML extract file schema whether the record being transferred as a student record or a high school transcript, many data elements are shown as "Not Required" with the goal of reducing the risk of a high number of failures when extracting student records. Those data elements required by the TREx schema include the following:

Data Element Common Name	XML Name
Student ID	StudentID
First Name	FirstName
Last Name	LastName
Gender Code	Gender
Ethnicity Code	Race
Date of Birth	BirthDate
District ID	DistrictID
Campus ID	SchoolID
Campus Name	SchoolName
Campus Phone	PhoneNumber
Academic Year	SchoolYear
Grade Level (Current)	GradeLevel

The following section is a list of the TREx data elements arranged by the record type (as they would appear in a record; not within a complex type). The table indicates a data element as required in the following manner:

- Fatal if Missing: required within the file extract by the TREx schema
- Required: required by state law and/or Texas Education Code
- Recommended: recommended by TEA, institutions of higher education, and user focus groups

If a data element is shown as not required for the file extract but data are available and relevant to the accuracy and completeness of the student record or transcript, it is the responsibility of the campus/district to include these data.

Element List by Record Type

The following is a list of the TREx data elements arranged by the record type.

Student Record

Student Identification Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
First Name	FirstName	Yes	Yes	Yes	Yes	2.30
Middle Name	MiddleName	Yes	No	Yes	Yes	2.40
Last Name	LastName	Yes	Yes	Yes	Yes	2.38
Generation Code	Suffix	Yes	No	If applicable	If applicable	2.31
Student ID	StudentID	Yes	Yes	Yes	Yes	2.49
Prior ID	PriorID	Yes	No	If applicable	If applicable	2.45
Local Student ID	LocalID	Yes	No	If applicable	If applicable	2.39
(Parent) First Name	FirstName	Yes	No	No	Yes	2.30
(Parent) Middle Name	MiddleName	Yes	No	No	Yes	2.40
(Parent) Last Name	LastName	Yes	No	No	Yes	2.38
(Student) Address	Address	No	No	No	Yes	2.6
(Student) City	City	No	No	No	Yes	2.16
(Student) State	StateProvince	No	No	No	Yes	2.48
(Student) Zip Code	PostalCode	No	No	No	Yes	2.52

Student Demographics Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Gender Code	Gender	Yes	Yes	Yes	Yes	2.30
Ethnicity Code	Race	Yes	Yes	Yes	Yes	2.29
Date of Birth	BirthDate	Yes	Yes	Yes	Yes	2.23
Home Language Code	Language	Yes	No	No	Yes	2.34
Migrant Indicator	Migrant	Yes	No	No	Yes	2.41
Homeless Indicator	Homeless	Yes	No	No	Yes	2.35

School Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
District ID	DistrictID	Yes	Yes	Yes	Yes	2.27
District Name	DistrictName	Yes	No	No	Yes	2.28
Campus ID	SchoolID	Yes	Yes	Yes	Yes	2.13
Campus Name	SchoolName	Yes	Yes	Yes	Yes	2.14
(Campus) Address	Address	No	No	No	Yes	2.6
(Campus) City	City	No	No	No	Yes	2.16
(Campus) State	StateProvince	No	No	No	Yes	2.48
(Campus) Zip Code	PostalCode	No	No	No	Yes	2.52
(Campus) Phone	PhoneNumber	No	Yes	Yes	Yes	2.14
(Campus) Fax	Fax	No	No	No	Yes	2.13

Enrollment and Withdrawal Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Grade Level (Current)	GradeLevel	Yes	Yes	Yes	Yes	2.32
Original Entry Date	EntryDate	No	No	No	Yes	2.42
Last Date of Attendance	ExitDate	PET	No	No	Yes	2.37
Last Withdrawal Date	WithdrawDate	PET	No	No	Yes	2.38
Withdrawal Reason	WithdrawReason	Yes	No	No	Yes	2.52
Placed in Grade	GradePlaced	No	No	No	Yes	2.45
Promoted to Grade	GradePromoted	No	No	No	Yes	2.46
Grade of Retention (PK-8)	GradeRetained	No	No	No	Yes	2.32

Current Year Attendance Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Total Days Present	DaysAttended	Yes	No	No	Yes	2.51
Total Days Absent	DaysAbsent	Yes	No	No	Yes	2.50

Coursework Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Academic Year	SchoolYear	No	Yes	Yes	Yes	2.5
Class Period	ClassPeriod	No	No	No	If applicable	2.16
Course Category	SubjectArea	No	No	No	If applicable	2.19
Course Name	CourseTitle	No	No	No	If applicable	2.21
Course Number	CourseID	Yes	No	No	If applicable	2.21
Course Abbreviation	Abbreviation	No	No	No	If applicable	2.18
Course Semester	Semester	No	No	No	If applicable	2.22
Semester Sequence	SemesterSeq	Yes	No	No	If applicable	2.47
Course Grade	CourseGrade	No	No	No	If applicable	2.20
Withdrawal Course Grade	WithdrawGrade	No	No	No	If applicable	2.51
Course Grade Average	GradeAverage	No	No	No	If applicable	2.20
Course Credit	CourseCredit	No	No	No	If applicable	2.19
Pass/Fail Credit Indicator	PassFailCredit	Yes	No	No	If applicable	2.43
Course Teacher	CourseTeacher	No	No	No	If applicable	2.22
Campus Awarding Credit	CreditCampus	No	No	No	If applicable	2.12

Special Programs Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
LEP (Limited English Proficiency) Indicator	LEP	Yes	No	No	Yes	2.39
Economically Disadvantaged Indicator	Economic Disadvantaged	Yes	No	No	Yes	2.28
At Risk Indicator	AtRisk	Yes	No	No	Yes	2.11
Title I Part A Indicator	TitleI	Yes	No	No	Yes	2.50
Special Education Indicator	SpecialEd	Yes	No	No	Yes	2.47
IEP (Individualized Education Program) Indicator	IEP	No	No	No	If applicable	2.35
Bilingual Indicator	Bilingual	Yes	No	No	Yes	2.12
ESL Indicator	ESL	Yes	No	No	Yes	2.29
Gifted/Talented Indicator	GiftedTalented	Yes	No	No	Yes	2.31
Personal Graduation Plan	PersonalGradPlan	No	No	No	If applicable	2.44
Career Tech Ed Indicator	CTE	Yes	No	No	Yes	2.15

Student Assessment Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Additional Test Name	AdditionalTestName	No	No	No	If applicable*	2.5
Assessment Name	TestName	No	No	No	If applicable*	2.7
Assessment Grade Level	TestLevel	No	No	No	If applicable*	2.7
Assessment Score	TestScore	No	No	No	If applicable*	2.8
Assessment Date	TestDate	No	No	No	If applicable*	2.6
Assessment Score Code	TestCode	No	No	No	If applicable*	2.9
Assessment Subtest	SubTestName	No	No	No	If applicable*	2.9
AssessmentSubtestScore	SubtestScore	No	No	No	If applicable*	2.10

*Attachment acceptable **Required by end of student's junior year.

Immunization Record Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Immunization Name	ImmunizationCode	No	No	Yes*	Yes*	2.37
Immunization Dose	ImmunizationDose	No	No	Yes*	Yes*	2.36
Immunization Date	ImmunizationDate	No	No	Yes*	Yes*	2.36

*Attachment acceptable **Required by end of student's junior year.

Unexpired Disciplinary Action Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Disciplinary Action End Date	DisciplineAction Date	No	No	If applicable	If applicable	2.25
Disciplinary Action Number	DisciplineAction Num	Yes	No	If applicable	If applicable	2.26
Disciplinary Action Code	DisciplineAction Code	Yes	No	If applicable	If applicable	2.24
Disciplinary Action Reason	DisciplineAction Reason	Yes	No	If applicable	If applicable	2.27

High School Transcript

Academic Achievement Record Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Student First Name	FirstName	Yes	Yes	Yes	Yes	2.30
Student Middle Name	MiddleName	Yes	No	If applicable	If applicable	2.40
Student Last Name	LastName	Yes	Yes	Yes	Yes	2.38
Generation Code	Suffix	Yes	No	If applicable	If applicable	2.31
Student ID	StudentID	Yes	Yes	Yes	Yes	2.45
Local Student ID	LocalID	Yes	No	If applicable	If applicable	2.39
Student Address	Address	No	No	Yes	Yes	2.6
Student City	City	No	No	Yes	Yes	2.16
Student State	StateProvince	No	No	Yes	Yes	2.48
Student Zip Code	PostalCode	No	No	Yes	Yes	2.52
Student Country	Country	No	No	No	Yes	2.18
Gender Code	Gender	Yes	Yes	Yes	Yes	2.30
Ethnicity Code	Race	Yes	Yes	Yes	Yes	2.29
Date of Birth	BirthDate	Yes	Yes	Yes	Yes	2.23
District ID	DistrictID	Yes	Yes	Yes	Yes	2.27
District Name	DistrictName	Yes	No	Yes	Yes	2.28
Campus ID	SchoolID	Yes	Yes	Yes	Yes	2.13
Campus Name	SchoolName	Yes	Yes	Yes	Yes	2.14
Campus Address	Address	No	No	No	Yes	2.6
Campus City	City	No	No	No	Yes	2.16
Campus State	StateProvince	No	No	No	Yes	2.48
Campus Zip Code	PostalCode	No	No	No	Yes	2.52
Campus Country	Country	No	No	No	Yes	2.18
Campus Phone	PhoneNumber	Yes	Yes	Yes	Yes	2.14

*Attachment acceptable **Required by end of student's junior year.

Academic Achievement Record Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Assessment Name (Exit Level)	TestName	No	No	If applicable	If applicable	2.7
Assessment Score (Exit Level)	TestScore	No	No	If applicable	If applicable	2.8
Assessment Date (Exit Level)	TestDate	No	No	If applicable	If applicable	2.6
Assessment Subtest (Exit Level)	SubTestName	No	No	If applicable	If applicable	2.9
Assessment Subtest Score (Exit Level)	SubTestScore	No	No	If applicable	If applicable	2.10
Texas Grant Indicator	TexasGrant	No	No	No**	Yes**	2.49
Academic Year	SchoolYear	No	Yes	Yes	Yes	2.5
Campus Awarding Credit	Credit Campus	No	No	Yes	Yes	2.12
Course Category	SubjectArea	No	No	Yes	Yes	2.19
Course Name	CourseTitle	No	No	Yes	Yes	2.21
Course Number	CourseID	Yes	No	Yes	Yes	2.21
Course Abbreviation	Abbreviation	No	No	Yes	Yes	2.18
Course Semester	Semester	No	No	Yes	Yes	2.22
Course Grade	CourseGrade	No	No	Yes	Yes	2.20
Course Grade Average	GradeAverage	No	No	Yes	Yes	2.20
Course Credit	CourseCredit	No	No	Yes	Yes	2.19
Special Explanation Code	Explanation	No	No	If applicable	If applicable	2.48
Pass/Fail Credit Indicator	PassFailCredit	Yes	No	If applicable	If applicable	2.43
Course Teacher	CourseTeacher	No	No	No	Yes	2.22
Class Rank	ClassRank	No	No	No	Yes	2.17
Number in Class	ClassTotalNumber	No	No	No	Yes	2.42
Date of Ranking	ClassRankingDate	No	No	No	Yes	2.23
Quartile	Quartile	No	No	No	Yes	2.46
Grade Point Average	GPA	No	No	No	Yes	2.33
Graduation Date	GraduationDate	Yes	No	If applicable	If applicable	2.33
Graduation Program Type	GraduationDiplomaType	Yes	No	Yes**	Yes**	2.34
College Board Campus Code	CollegeCampusCode	No	No	Yes	Yes	2.17
Certification of Coursework Completion Date	CertificateDate	No	No	If applicable	If applicable	2.15

*Attachment acceptable

**Required by end of student's junior year.

Final High School Transcript with Seal

Academic Achievement Record Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Student First Name	FirstName	Yes	Yes	Yes	Yes	2.30
Student Middle Name	MiddleName	Yes	No	If applicable	If applicable	2.40
Student Last Name	LastName	Yes	Yes	Yes	Yes	2.38
Generation Code	Suffix	Yes	No	If applicable	If applicable	2.31
Student ID	StudentID	Yes	Yes	Yes	Yes	2.45
Local Student ID	LocalID	Yes	No	If applicable	If applicable	2.39
Student Address	Address	No	No	Yes	Yes	2.6
Student City	City	No	No	Yes	Yes	2.16
Student State	StateProvince	No	No	Yes	Yes	2.48
Student Zip Code	PostalCode	No	No	Yes	Yes	2.52
Student Country	Country	No	No	No	Yes	2.18
Gender Code	Gender	Yes	Yes	Yes	Yes	2.30
Ethnicity Code	Race	Yes	Yes	Yes	Yes	2.29
Date of Birth	BirthDate	Yes	Yes	Yes	Yes	2.23
District ID	DistrictID	Yes	Yes	Yes	Yes	2.27
District Name	DistrictName	Yes	No	Yes	Yes	2.28
Campus ID	SchoolID	Yes	Yes	Yes	Yes	2.13
Campus Name	SchoolName	Yes	Yes	Yes	Yes	2.14
Campus Address	Address	No	No	No	Yes	2.6
Campus City	City	No	No	No	Yes	2.16
Campus State	StateProvince	No	No	No	Yes	2.48
Campus Zip Code	PostalCode	No	No	No	Yes	2.52
Campus Country	Country	No	No	No	Yes	2.18
Campus Phone	PhoneNumber	Yes	Yes	Yes	Yes	2.14
Assessment Name (Exit Level)	TestName	No	No	Yes	Yes	2.7
Assessment Score (Exit Level)	TestScore	No	No	Yes	Yes	2.8
Assessment Date (Exit Level)	TestDate	No	No	Yes	Yes	2.6
Assessment Subtest (Exit Level)	SubTestName	No	No	If applicable	If applicable	2.9
Assessment Subtest Score (Exit Level)	SubTestScore	No	No	If applicable	If applicable	2.10
Texas Grant Indicator	TexasGrant	No	No	No**	Yes**	2.49
Academic Year	SchoolYear	No	Yes	Yes	Yes	2.5
Campus Awarding Credit	Credit Campus	No	No	Yes	Yes	2.12
Course Category	SubjectArea	No	No	Yes	Yes	2.19
Course Name	CourseTitle	No	No	Yes	Yes	2.21
Course Number	CourseID	Yes	No	Yes	Yes	2.21
Course Abbreviation	Abbreviation	No	No	Yes	Yes	2.18
Course Semester	Semester	No	No	Yes	Yes	2.22
Course Grade	CourseGrade	No	No	Yes	Yes	2.20
Course Grade Average	GradeAverage	No	No	Yes	Yes	2.20
Course Credit	CourseCredit	No	No	Yes	Yes	2.19
Special Explanation Code	Explanation	No	No	If applicable	If applicable	2.48
Pass/Fail Credit Indicator	PassFailCredit	Yes	No	If applicable	If applicable	2.43
Course Teacher	CourseTeacher	No	No	No	Yes	2.22

Academic Achievement Record Data	XML Name	PEIMS Element	Fatal if Missing	State Requirements		Page
				Required	Recommended	
Class Rank	ClassRank	No	No	No	Yes	2.17
Number in Class	ClassTotalNumber	No	No	No	Yes	2.42
Date of Ranking	ClassRankingDate	No	No	No	Yes	2.23
Quartile	Quartile	No	No	No	Yes	2.46
Grade Point Average	GPA	No	No	No	Yes	2.33
Graduation Date	GraduationDate	Yes	No	Yes	Yes	2.33
Graduation Program Type	GraduationDiplomaType	Yes	No	Yes**	Yes**	2.34
College Board Campus Code	CollegeCampusCode	No	No	Yes	Yes	2.17
Certification of Coursework Completion Date	CertificateDate	No	No	If applicable	If applicable	2.15

*Attachment acceptable **Required by end of student's junior year.

Element List in Alphabetic Order

Academic Achievement Record Data	XML Name	Fatal if Missing	Page
Academic Year	SchoolYear	Yes	2.5
Additional Test Name	AdditionalTestName	No	2.5
Address (Street or PO Box)	Address	No	2.6
Assessment Date	TestDate	No	2.6
Assessment Grade Level	TestLevel	No	2.7
Assessment Name	TestName	No	2.7
Assessment Score	TestScore	No	2.8
Assessment Score Code	TestCode	No	2.9
Assessment Subtest	SubTestName	No	2.9
Assessment Subtest Score	SubTestScore	No	2.10
At Risk Indicator	AtRisk	No	2.11
Bilingual Indicator	Bilingual	No	2.12
Campus Awarding Credit	CreditCampus	No	2.12
Campus Fax	Fax	No	2.13
Campus ID	SchoolID	Yes	2.13
Campus Name	SchoolName	Yes	2.14
Campus Phone	PhoneNumber	Yes	2.14
Career Tech Ed Indicator	CareerTechEd	No	2.15
Certification of Coursework Completion Date	CertificateDate	No	2.15
City	City	No	2.16
Class Period	ClassPeriod	No	2.16
Class Rank	ClassRank	No	2.17
College Board Campus Code	CollegeCampusCode	No	2.17
Country	Country	No	2.18
Course Abbreviation	Abbreviation	No	2.18
Course Category	SubjectArea	No	2.19
Course Credit	CourseCredit	No	2.19
Course Grade	CourseGrade	No	2.20
Course Grade Average	GradeAverage	No	2.20
Course Name	CourseTitle	No	2.21
Course Number	CourseID	No	2.21

Academic Achievement Record Data	XML Name	Fatal if Missing	Page
Course Semester	Semester	No	2.22
Course Teacher	CourseTeacher	No	2.22
Date of Birth	BirthDate	Yes	2.23
Date of Ranking	ClassRankingDate	No	2.23
Disciplinary Action Code	DisciplineActionCode	No	2.24
Disciplinary Action End Date	DisciplineActionDate	No	2.25
Disciplinary Action Number	DisciplineActionNum	No	2.26
Disciplinary Action Reason	DisciplineActionReason	No	2.27
District ID	DistrictID	Yes	2.27
District Name	DistrictName	No	2.28
Economic Disadvantaged Indicator Code	EconomicDisadvantaged	No	2.28
ESL Indicator	ESL	No	2.29
Ethnicity Code	Race	Yes	2.29
First Name	FirstName	Yes	2.30
Gender Code	Gender	Yes	2.30
Generation Code	Suffix	No	2.31
Gifted/Talented Indicator	GiftedTalented	No	2.31
Grade Level	GradeLevel	Yes	2.32
Grade of Retention (PK-8)	GradeRetained	No	2.32
Grade Point Average	GPA	No	2.33
Graduation Date	GraduationDate	No	2.33
Graduation Program Type	GraduationDiplomaType	No	2.34
Home Language Code	Language	No	2.34
Homeless Indicator	Homeless	No	2.35
IEP (Individualized Education Program) Indicator	IEP	No	2.35
Immunization Date	ImmunizationDate	No	2.36
Immunization Dose	ImmunizationDose	No	2.36
Immunization Name	ImmunizationCode	No	2.37
Last Date of Attendance	ExitDate	No	2.37
Last Name	LastName	Yes	2.38
Last Withdrawal Date	WithdrawDate	No	2.38
LEP (Limited English Proficiency) Indicator	LEP	No	2.39
Local Student ID	LocalID	No	2.39
Middle Name	MiddleName	No	2.40
Migrant Indicator	Migrant	No	2.41
Number in Class	ClassTotalNumber	No	2.42
Original Entry Date	EntryDate	No	2.42
Pass/Fail Credit Indicator	PassFailCredit	No	2.43
Personal Graduation Plan	PersonalGradPlan	No	2.44
Placed in Grade	GradePlaced	No	2.45
Prior ID	PriorID	No	2.45
Promoted to Grade	GradePromoted	No	2.46
Quartile	Quartile	No	2.46
Semester Sequence	SemesterSeq	No	2.47
Special Education Indicator	SpecialEd	No	2.47
Special Explanation Code	Explanation	No	2.48
State	StateProvince	No	2.48
Student ID	StudentID	Yes	2.49
Texas Grant Indicator	TexasGrant	No	2.49
Title I Part A Indicator	TitleI	No	2.50
Total Days Absent	DaysAbsent	No	2.50
Total Days Present	DaysAttended	No	2.51
Withdrawal Course Grade	WithdrawGrade	No	2.51

Academic Achievement Record Data	XML Name	Fatal if Missing	Page
Withdrawal Reason	WithdrawReason	No	2.52
Zip Code	PostalCode	No	2.52