Section 4 - TREx XML Standards

Overview

XML schemas function as models for describing the structure of the records being extracted and transmitted through TREx. This includes:

* the sequence in which elements appear;
* the interrelationship between different elements, including parent and child relationships and nesting levels; and
* the types of data that are contained in elements or attributes.

The *TREx Data Standards* manual provides information on the data elements, coded variables, and schema for use by the districts and vendors of local student information systems for the development and maintenance of the extract file process.

***Note****: Similar to the TREx Data Standards, the TREx XSD will be updated and republished by TEA annually. Student Information System (SIS) vendors should support updates to the TREx XSD.*

Edits and Validations

The TREx XML schema ensures that student data files from school districts adhere to a common structure and consist of valid elements and attributes. An XML extract file must be syntactically perfect or it is rendered as unacceptable by an XML parser.

Restrictions control acceptable values for XML data elements. Restrictions on XML elements are called facets. In combination with an element’s declared data type, restrictions enable the XSD validation process not only to validate the structure of the XML file but also to validate the data values contained within the file against its XML schema definition.

An example of a restriction to validate data commonly used in TREx is for a range of years. To define a rule for the ACADEMIC-YEAR data element so that the values fall within the range of 1957-2012, the TREx schema declares the restriction as:

<xs:element name=”SchoolYear”>

 <xs:simpleType>

 <xs:restriction base=”xs:integer”>

 <xs:minInclusive value=”1957”/>

 <xs:maxInclusive value=”2012”/>

 </xs:restriction:

 </xs:simpleType>

</xs:element>

The XML schema also enforces length restrictions for a given element by either an exact length, minimum length, or maximum length. Patterns represent another restriction on data elements if so defined.

TREx Field Edit Overview

Although the districts/campuses are provided with a manual capability to create a student record or transcript in TREx, most districts/campuses submit data in an XML-based extract file. The file is referred to as an extract file because it is created through a vendor-supported process that extracts data from a district’s student information system. The extracted data must be consistent with the TREX XML Schema Definition (XSD).

Prior to transmitting the extract file, TREx verifies the structure of the file against the XSD. In addition, the system verifies the contents of the file against the declared data types and restrictions defined for each element in the TREx XSD for each simple type element. The data types and restrictions defined with the TREx XSD constitute the TREx field edits.

TREx Field Edit Restrictions

As previously described in this section, restrictions control acceptable values for XML data elements. Restrictions on XML elements are called facets. In combination with an element’s declared data type, restrictions enable the TREx XSD validation process not only to validate the structure of the XML file but also to validate the data values contained within the file against its XML schema definition. Many simple type elements within the TREx XSD have a restriction that limits the domain of acceptable values.

TREx does not transmit extract files improperly structured or containing unacceptable values.

Available TREx XSD Restrictions

| **Restriction** | **Description** |
| --- | --- |
| enumeration | Specifies a list of acceptable values. |
| minInclusive | Specifies the lower bounds for numeric values. The value must be greater than or equal to this value. |
| maxInclusive | Specifies the upper bounds for numeric values. The value must be less than this value. |
| minLength | Specifies the minimum number of characters or list items allowed. Must be equal to or greater than zero. |
| maxLength | Specifies the maximum number of characters or list items allowed. Must be equal to or greater than zero. |
| minOccurs | Specifies minimum number of occurrences allowed. |
| maxOccurs | Specifies maximum number of occurrence allowed. |
| pattern | Defines the exact sequence of characters that are acceptable.  |
| restriction | Defines the type of data element (e.g. string, integer, etc.). |
| totalDigits | Specifies the exact number of digits permitted. (Value must be greater than zero.) |
| whiteSpace | Specifies the use of white space. Denotes line feeds, tabs, spaces, and carriage returns. |

Context Edit Overview

TREx uses context edits to verify data elements against the rules set out in the XSD. Each context edit is traced to its associated Edit Number, a description of which follows.

Context Edit Descriptions

Following is a list of TREx Context Edits.

| **Edit #** | **Element XML Name** | **Edit Rule** |
| --- | --- | --- |
| T001 | StudentID | The first character of StudentID must be “S” or “0”-“8”.  |
| T002 | StudentID | Each character of StudentID must not be the same number. |
| T003 | StudentID | The first three characters of StudentID must not be “000”. |
| T004 | StudentID | If first character of StudentID is not an “S”, the fourth and fifth characters must not be “00”. |
| T005 | StudentID | If first character of StudentID is not an “S”, the last four characters must not be “0000”. |
| T006 | FirstName, MiddleName, LastName | The FirstName, MiddleName, and/or LastName must only contain the following characters: * a-z or A-Z
* 0-9
* Apostrophe
* Hyphen
* Space character
 |
| T007 | FirstName, MiddleName, LastName | Name must not contain only apostrophes. |
| T008 | FirstName, MiddleName, LastName | Name must not contain only hyphens. |
| T009 | FirstName, LastName | Name must not contain only spaces. |
| T010 | FirstName, MiddleName, LastName | Data elements cannot be repeated as PersonType (student). |
| T011 | FirstName, MiddleName, LastName | Data elements can be repeated as ParentType (parent) up to 9 times. |
| T012 | DistrictID | The DistrictID contained within the CampusID must match an entry registered with the TEA. |
| T013 | CampusID | The CampusID must match an entity registered with TEA. |
| T014 | EntryDate | The EntryDate must not be greater than the file submission date.  |
| T015 | WithdrawDate | WithdrawDate must not be greater than the current date.  |
| T016 | WithdrawDate | WithdrawDate must be greater than ExitDate by at least one day. |
| T017 | ExitDate | ExitDate must be one day less than (earlier) than WithdrawDate. |
| T018 | WithdrawDate, WithdrawReason | If a student in grades 7-12 has withdrawn from school, both fields are required. For grades up to and including grade 6, Withdraw Reason is not required for students who have withdrawn from school but Withdraw Date is required and entered. |
| T019 | DisciplineActionDate | Must be greater than date of extract file creation. |
| T020 | DisciplineActionDate, DisciplineActionCode, DisciplineActionReason | If data are present for any single element, all other elements must include data. |
| T021 | DisciplineActionDate, DisciplineActionCode, DisciplineActionReason | Elements can be repeated on student record if at least one element contains different data from other set. |
| T022 | TestScore, TestDate,TestCode | If TestDate (Assessment Date) is present, data are required in TestScore (Assessment Score) and/or TestCode (Assessment Score Code). |
| T023 | GradeRetained | Must be less than Grade 9. |
| T024 | CertificateDate | Must be blank if date exists in GraduationDate element. |
| T025 | GraduationDate | Must be blank if date exists in CertificateDate element. |
| T027 | ImmunizationDate | If present, data are required for ImmunizationCode. |
| T028 | CreditCampus | CreditCampus must match an entity registered with TEA.  |

Data and File Requirements

The TREx extracted data are stored in an XML-based file consistent with the TREx XML Schema Definition (XSD) and must follow the XSD standards to be transmitted by TREx.

Rules for XML Schema

While school districts and campuses are responsible for the accuracy of the data transmitted through TREx, TREx verifies the contents of the file against the declared data types and restrictions defined for each element in the TREx XSD. The following business rules apply to XML schemas and the XSD validation process:

* The XML Schema supports a number of built-in data types (e.g., date). When an XML element has a defined data type, a restriction is placed on the element content.
* The XML Schema supports restrictions (edits). In conjunction with the element’s declared data type, restrictions are used to control acceptable values for XML elements.
* Declared data types and restrictions enable the XSD validation process.
* The client-side XSD validation process is used to validate the XML file structure and data values against the schema definition.
* If the client-side validation fails, TREx does not transfer the extract file.

Note: For graphical representations of the TREx XSD, reference Appendix C.

TREx XSD Data Types and Restrictions

Following are the TREx data types and restrictions. Restrictions control acceptable values for XML elements. Restrictions used in the XSD validation process validate both the structure of the XML file and the data values against the XML Schema Definition.

| **Element Name**  | **XML Name** | **Data Type** | **Restriction** |
| --- | --- | --- | --- |
| TX Student Unique ID | StudentUniqueID | String | * Required if available.
* 10 digit numeric value.
 |
| Student ID | StudentID | String | * Required element.

Public Schools:* The only acceptable value for the first position is an “S” or a character in the range of 0 to 8.
* For positions two through nine, the only acceptable value is eight characters in a sequence with each character in a range from 0 to 9.

Private Schools:* The minimum length is 1 and the maximum length is 64 characters.
 |
| Prior ID | PriorID | String | * Optional element.
* If provided, minimum length of 1 and a maximum length of 9.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Local Student ID | LocalID | String | * Optional element.
* If provided, minimum length of 1 and a maximum length of 9.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) \_ + = : ; “ ‘ , . / < > ? |
| (Student) First Name | FirstName | String | * Required element.
* Limited to a single occurrence.
* The minimum length is 1 and the maximum length is 30 characters.
* White space is preserved.
* The only acceptable value is a sequence of at least 1 to 30 characters with each character either a lower-case a through z, upper-case A through Z, an apostrophe, a hyphen, a 0 through 9, or a space.
 |
| (Student) Middle Name | MiddleName | String | * Optional element.
* Limited to a single occurrence.
* The minimum length is 1 and the maximum length is 30 characters.
* White space is preserved.
* The only acceptable value is a sequence of at least 1 to 30 characters with each character either a lower-case a through z, upper-case A through Z, an apostrophe, a hyphen, a 0 through 9, or a space.
 |
| (Student) Last Name | LastName | String | * Required element.
* Limited to a single occurrence.
* The minimum length is 1 and the maximum length is 40 characters.
* White space is preserved.
* The only acceptable value is a sequence of at least 1 to 40 characters with each character either a lower-case a through z, upper-case A through Z, an apostrophe, a hyphen, a 0 through 9, or a space.
 |
| (Student) Generation Code | Suffix | String | * Optional element.
* Maximum length of a single character.
* If provided, the only acceptable value is a single character in a rank from 1-9, A- C.
 |
| Date of Birth | BirthDate | Date | * Required element.
* Limited to a single occurrence.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| Gender Code | Gender | String | * Required element.
* Limited to a single occurrence.
* Maximum length of a single character.
* The only acceptable value is one of the following letters: “M” or “F”.
 |
| Ethnicity Code | Race | String | * Required for Students prior to 2010-2011 School Year.
* Limited to a single occurrence.
* Maximum length of a single character.
* The only acceptable value is a single character in a range from 1 to 5.
 |
| (Student) Address | Address | String | * Optional element.
* Maximum length of fifty characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| (Student ) City | City | String | * Optional element.
* Maximum length of thirty characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| (Student ) State | StateProvince | String | * Optional element.
* Maximum length of two characters.
* The only acceptable values are listed in Code Table TC20.
 |
| (Student ) Zip | PostalCode | String | * Optional element.
* Minimum length of five and a maximum length of ten characters.
* If ten characters provided, must include a hyphen in position six.
 |
| (Parent ) First Name | FirstName | String | * Required element.
* The minimum length is 1 and the maximum length is 30 characters.
* White space is preserved.
* Limited to a nine occurrences.
* The only acceptable value is a sequence of at least 1 to 30 characters with each character either a lower-case a through z, upper-case A through Z, an apostrophe, a hyphen, a 0 through 9, or a space.
 |
| (Parent ) Middle Name | MiddleName | String | * Optional element.
* Maximum length is 30 characters.
* White space is preserved.
* The only acceptable value is a sequence of at least 0 to 30 characters with each character either a lower-case a through z, upper-case A through Z, an apostrophe, a hyphen, a 0 through 9, or a space.
 |
| (Parent ) Last Name | LastName | String | * Required element.
* The minimum length is 1 and the maximum length is 40 characters.
* White space is preserved.
* Limited to a nine occurrences.
* The only acceptable value is a sequence of at least 1 to 40 characters with each character either a lower-case a through z, upper-case A through Z, an apostrophe, a hyphen, a 0 through 9, or a space.
 |
| (Parent) Generation Code | Suffix | String | * Optional element.
* Maximum length of a single character.
* If provided, the only acceptable value is a single character in a rank from 1-9, A-C.
 |
| District ID | DistrictID | String | * Required element.
* Minimum length of six characters.
* Must be valid TEA-approved district identification number.
* Declared as a string data type to allow for zeros in the first position.
* The only acceptable value is six characters in a sequence with each character in a range from 0 to 9.
 |
| District Name | DistrictName | String | * Optional element.
* Maximum length of thirty-four characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ?* May not include the following characters: \ { } [ ] |
 |
| Campus ID | SchoolID | String | * Required element.
* Minimum length of nine characters.
* Must be valid TEA-approved campus identification number.
* Declared as a string data type to allow for zeros in the first position.
* The only acceptable value is nine characters in a sequence with each character in a range from 0 to 9.
 |
| Campus Name | SchoolName | String | * Required data element.
* Maximum length of thirty-four characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789  |
| (Campus) Address | Address | String | * Optional element.
* Maximum length of fifty characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| (Campus) City | City | String | * Optional element.
* Maximum length of thirty characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| (Campus) State | StateProvince | String | * Optional element.
* Maximum length of two characters.
* The only acceptable values are listed in Code Table TC20.
 |
| (Campus) Zip | PostalCode | String | * Optional element.
* Minimum length of five and a maximum length of ten characters.
* If ten characters provided, must include a hyphen in position six.
 |
| Country | Country | String | * Optional element.
* Maximum length of two characters.
* The only acceptable values are listed in Code Table TC04.
* Should default to US.
 |
| (Campus) Phone | PhoneNumber | String | * Required element.
* Maximum length of twenty characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

EXText0123456789 # ( ) - |
| (Campus) Fax | Fax | String | * Optional element.
* Maximum length of twenty characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

EXText0123456789 # ( ) - |
| Academic Year | SchoolYear | String | * Required element if student has not graduated.
* Maximum length of nine characters.
* Punctuation allowed includes dash.
* Can be repeated as needed.
 |
| Grade Level  | GradeLevel | String | * Required element.
* Maximum length of two characters.
* The only acceptable value are EE, PK, KG, and 01 through 12.
 |
| Original Entry Date | EntryDate | Date  | * Optional element.
* Record must contain only one.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| Last Date of Attendance | ExitDate | Date  | * Optional element.
* Record may contain only one.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| Last Withdrawal Date | WithdrawDate | Date  | * Optional element.
* Record may contain only one.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| Withdrawal Reason | WithdrawReason | String | * Optional element.
* Maximum length of two characters.
* The only acceptable values are listed in Code Table TC23.
 |
| Placed in Grade | GradePlaced | String | * Optional element.
* Maximum length of two characters.
* The only acceptable value are EE, PK, KG, and 01 through 12.
 |
| Promoted to Grade | GradePromoted | String | * Optional element.
* Maximum length of two characters.
* The only acceptable value are EE, PK, KG, and 01 through 12.
 |
| Grade of Retention (PK-8) | GradeRetained | String | * Optional element.
* Maximum length of two characters.
* The only acceptable value are EE, PK, KG, and 01 through 12.
 |
| Total Days Present | DaysAttended | String | * Optional element.
* Implied decimal within ###.# format.
* Must end in .0 or .5 (implied decimal).
 |
| Total Days Absent | DaysAbsent | String | * Optional element.
* Implied decimal within ###.# format.
* Must end in .0 or .5 (implied decimal).
 |
| Home Language | Language | String | * Optional element.
* Maximum length of two characters.
* The only acceptable values are listed in Code Table TC14.
 |
| Migrant Indicator | Migrant | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0 or 1.
 |
| Foster Care Indicator Code  | FosterCare | String | * Optional element.
* Maximum length of one character.
* The only acceptable values are listed in Code Table TC33
 |
| Military Connected  | MilitaryConnected | String | * Optional element.
* Maximum length of one character.
* The only acceptable values are listed in Code Table TC34
 |
| Dyslexia Indicator Code | Dyslexia | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |
| Homeless Indicator | Homeless | String | * Optional element.
* Maximum length of one character.
* The only acceptable values are listed in Code Table TC32.
 |
| Unschooled Asylee/RefugeeCode | AsyleeRefugee | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0,1 or 2.
 |
| LEP (Limited English Proficiency) Indicator | LEP | String | * Optional element.
* Maximum length of one character.
* The only acceptable values are 0, 1, F, or S.
 |
| Economically Disadvantaged Indicator | EconomicDisadvantaged | String | * Optional element.
* Maximum length of two characters.
* The only acceptable values are listed in Code Table TC08.
 |
| At Risk Indicator | AtRisk | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0 or 1.
 |
| Title I Part A Indicator | TitleI | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0, A, 6, 7, 8, or 9.
 |
| Special Education Indicator | SpecialEd | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0 or 1.
 |
| IEP (Individualized Education Program) Indicator | IEP | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0 or 1.
 |
| Bilingual Indicator | Bilingual | String | * Optional element.
* Maximum length of one character.
* If provided, the only acceptable values are 0, 2, 3, 4, or 5.
 |
| ESL (English as Second Language) Indicator | ESL | String | * Optional element.
* Maximum length of one character.
* The only acceptable values are 0, 2, or 3.
 |
| Gifted/Talented Indicator | GiftedTalented | String | * Optional element.
* Maximum length of one character.
* If provided, the only acceptable value is a single character in a rank from 0 through 2
 |
| Career Tech Ed Indicator | CTE | String | * Optional element.
* Maximum length of one character.
* If provided, the only acceptable value is a single character of 0 though 3.
 |
| Personal Graduation Plan | PersonalGradPlan | String | * Optional element.
* Maximum length of one character.
* The only acceptable value is a single character of 0 or 1.
 |
| Assessment Name | TestName | String | * Optional element.
* May be repeated for each assessment.
* Maximum length of two digits.
* If provided, the only acceptable values are listed in Code Table TC01.
* If provided, then the TestDate and TestScore or TestCode are required.
 |
|  |  |  | * If provided, then AdditionalTestName must be blank within each assessment.
 |
| Assessment Grade Level | TestLevel | String | * Optional element.
* May be repeated for each assessment.
* Maximum length of two characters.
* If provided, the only acceptable values are listed in Code Table TC12.
 |
| Assessment Score | TestScore | String | * Optional element.
* May be repeated for each assessment.
* If provided, then TestName or AdditionalTestNameand TestDate are required.
* Maximum length of six characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Assessment Date | TestDate | Date | * Optional element.
* May be repeated for each assessment.
* If provided, then TestName and TestScore or Test Code are required.
* Maximum length of seven characters.
* The date type implements an ISO data type in the form of yyyy-mm.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01 and less than 2040-01.
* For STAAR® EOC, mm value 13 indicates Fall, 15 indicates Spring and 16 indicates Summer testing windows.
 |
| Assessment Date Exit Requirement Met | ExitRequirementMetDate | Date | * Optional element.
* May be repeated for each assessment.
* Maximum length of seven characters.
* The date type implements an ISO data type in the form of yyyy-mm.
* The only acceptable value is a valid

 date with a minimum value greater  than or equal to 1957-01 and less  than 2040-01. |
| Assessment Score Code | TestCode | String | * Optional element.
* May be repeated for each assessment.
* If provided, then TestName or AdditionalTestNameand TestDate are required.
* Maximum length of a single character.
* The only acceptable values are listed in Code Table TC02.
 |
| STAAR Performance Level | PerformanceLevel | String | * Optional Element
* May be repeated for each assessment.
* If provided, then TestName or AdditionalTestNameand TestDate are required.
* Maximum length of a single character.
* The only acceptable values are listed in Code Table TC31.
 |
| Additional Test Name | AdditionalTestName | String | * Optional element
* If provided, then TestName must be blank within each Assessment.
* Maximum length of 60 characters
* If provided, then the TestDate and TestScore or TestCode are required.
 |
| Assessment Subtest | SubTestName | String | * Optional element.
* Maximum length of 60 characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Assessment Subtest Score | SubTestScore | String | * Optional element
* Maximum length of 6 characters
* If provided, then the SubTestName and TestDate are required.
* Any of the following characters, including the space character, are valid: ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ?
 |
| Course Category | SubjectArea | String | * Optional element.
* May be repeated for each course or academic year.
* Maximum length of four characters.
* The only acceptable values are listed in Code Table TC05
 |
| Class Period | ClassPeriod | String | * Optional element.
* May be repeated for each course or academic period.
* Maximum length of five characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Course Name | CourseTitle | String | * Optional element.
* May be repeated for each course or academic period.
* Maximum length of one hundred characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Course Abbreviation | Abbreviation | String | * Optional element
* May be repeated.
* Maximum length of one hundred characters.
* White space is preserved.
* Any of the following characters, including the space character, are valid:
* ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ?
 |
| Course Number | CourseID | String | * Optional element.
* May be repeated for each course or academic period.
* Maximum length of eight characters for public schools. Maximum length of 64 characters for private schools.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Course Semester | Semester | String | * Optional element.
* May be repeated for each course or academic period.
* Maximum length of one digit.
 |
| Course Grade | CourseGrade | String | * Optional element.
* May be repeated for each course.
* Maximum length of ten characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Withdrawal Course Grade | WithdrawGrade | String | * Optional element.
* May be repeated for each course.
* Maximum length of fifteen characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Course Grade Average | GradeAverage | String | * Optional element.
* May be repeated for each course.
* Maximum length of ten characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Final Grade Average | FinalGradeAverage | String | * Optional element.
* May be repeated for each course.
* Maximum length of ten characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Course Credit | CourseCredit | String | * Optional element.
* May be repeated for each course.
* Implied decimal within #.# format.
 |
| Pass/Fail Credit Indicator | PassFailCredit | String | * Optional element.
* May be repeated for each course,
* Maximum length of two characters.
* If present, the only acceptable values are listed in Code Table TC25.
 |
| Course Teacher | CourseTeacher | String | * Optional element.
* May be repeated for each CourseTitle.
* Maximum length of forty characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Semester Sequence | SemesterSeq | String | * Optional element.
* Maximum length of a single character.
* May be repeated for each course or AcademicSessionType.
* If present, the only acceptable values are 0 through A.
 |
| Special Explanation Code | Explanation | String | * Optional element.
* Maximum length of 2 characters.
* May be repeated for each course.
* If present, the only acceptable values are listed in Code Table TC19.
 |
| Campus Awarding Credit | CreditCampus | String | * Optional element.
* Minimum length of nine characters.
* Must be valid TEA-approved campus identification number.
* Declared as a string data type to allow for zeros in the first position.
* The only acceptable value is nine characters in a sequence with each character in a range from 0 to 9.
 |
|  |  |  |  |
| Class Rank | ClassRank | String | * Optional element.
* Maximum length of five digits.
* If provided, the only acceptable value is a range from 0 through 99999.
 |
| Number in Class | ClassTotalNumber | String | * Optional element.
* Maximum length of five digits.
* If provided, the only acceptable value is a range from 1 through 99999.
 |
| Date of Ranking | ClassRankingDate | Date | * Optional element.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| Quartile | Quartile | String | * Optional element.
* Maximum length of a single character.
* If present, the only acceptable value is a single character in a rank from 1 through 4.
 |
| Grade Point Average | GPA | String | * Optional element.
* Maximum length of ten characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Graduation Date | GraduationDate | Date | * Optional element.
* The date type implements an ISO data type in the form of yyyy-mm.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01 and less than 2052-01.
 |
| Graduation Program Type | GraduationDiplomaType | String | * Optional element if GradeLevel 10 or lower.
* Maximum length of two characters.
* If provided, the only acceptable values are listed in Code Table TC13.
 |
| Certification of Coursework Completion Date | CertificateDate | Date | * Optional element.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| College Board Campus Code | CollegeCampusCode | String | * Optional element.
* Maximum length of six characters.
* Declared as a string data type to allow for zeros in the first position.
* The only acceptable value is six characters in a sequence with each character in a range from 0 to 9.
 |
| Texas Grant Indicator | TexasGrant | String | * Optional element.
* Maximum length of a single character.
* The only acceptable values are listed in Code Table TC21
 |
| FHSP Participant Code | FHSPParticipantCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| FHSP College Career Instruction Indicator Code | FHSPCollegeCareerInstructionIndicator | String | * The only acceptable values are listed in Code Table TC16
* Maximum length of one character.
* Optional element.
 |
| Associate Degree Indicator Code | AssociateDegree | String | * The only acceptable values are listed in Code Table TC16
* Maximum length of one character.
* Optional element.
 |
| On-Ramps Dual Enrollment Indicator Code | OnRamps | String | * The only acceptable values are listed in Code Table TC16
* Maximum length of one character.
* Optional element.
 |
| CPR-Instruction-Met-Date | CPRMetDate | Date | * YYYY-MM
* Optional element.
 |
| Peace-Officer-Interaction-Instruction-Met-Date | POIIMetDate | Date | * YYYY-MM
* Optional element.
 |
| Section-504-Indicator-Code | Section504 | String | * The only acceptable values are listed in Code Table TC16
* Maximum length of one character.
* Optional element.
 |
| Star-Of-Texas-Indicator-Code | StarofTexas | String | * The only acceptable values are listed in Code Table TC16
* Maximum length of one character.
* Optional element.
 |
| Speech Requirement Met Date | SpeechMetDate | Date | * YYYY-MM
* Optional element.
 |
| FHSP Disting Level Achieve Indicator Code | FHSPDistingIndicatorCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| Arts and Humanities Endorsement Indicator Code | ArtsEndorsementCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| Business and Industry Endorsement Indicator Code | BusinessEndorsementCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| Multi Disciplinary Studies Endorsement Indicator Code | MultiStudiesEndorsementCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| Public Services Endorsement Indicator Code | PublicServicesEndorsementCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| STEM Endorsement Indicator Code | STEMEndorsementCode | String | * The only acceptable values are listed in Code Table TC35
* Maximum length of one character.
* Optional element.
 |
| Performance Acknowledgment AP IB Exams | ApIbType | String | * The only acceptable values are listed in Code Table TC36
* Maximum length of three characters.
* Optional element.
 |
| Performance Acknowledgment Bilingualism/ Biliteracy  | BilingBilitType | String | * The only acceptable values are listed in Code Table TC37
* Maximum length of one character.
* Optional element.
 |
| Performance Acknowledgment Certification Licensures  |  CertLicType | String | * Text field.
* Maximum length 61 characters.
* Optional element.
 |
| Individual-Graduation-Committee-Review-Code  | IGCGradReview | String | * Optional element.
* The only acceptable values are listed in Code Table TC40
 |
| Performance Acknowledgment College Readiness Assessments  | CollegeAssessType | String | * The only acceptable values are listed in Code Table TC38
* Maximum length of one character.
* Optional element.
 |
| Performance Acknowledgment Dual Credit  | DualCreditType | String | * The only acceptable values are listed in Code Table TC39
* Maximum length of one character.
* Optional element.
 |
| Performance Acknowledgment Met Date | MetDate | Date | * YYYY-MM
* Optional element.
 |
| Immunization Name | ImmunizationCode | String | * Optional element.
* Maximum length of thirty-five characters.
* Any of the following characters, including the space character, are valid:

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 ~ ! @ # $ % ^ & \* ( ) - \_ + = : ; “ ‘ , . / < > ? |
| Immunization Dose | ImmunizationDose | Integer | * Optional element
* Maximum length of two digits.
 |
| Immunization Date | ImmunizationDate | Date | * Optional element.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than or equal to 1957-01-01 and less than 2040-01-01.
 |
| Disciplinary Action End Date | DisciplineActionDate | Date | * Optional element.
* The date type implements an ISO data type in the form of yyyy-mm-dd.
* The only acceptable value is a valid date with a minimum value greater than current date (date record is created).
 |
| Disciplinary Action Number | DisciplineActionNum | String | * Optional element.
* Maximum length of three characters.
 |
| Disciplinary Action Code | DisciplineActionCode | String | * Optional element.
* Maximum length of two characters.
* If provided, the only acceptable values are listed in Code Table TC06.
 |
| Disciplinary Action Reason | DisciplineActionReason | String | * Optional element.
* Maximum length of two characters.
* If provided, the only acceptable values are listed in Code Table TC07.
 |
| Distinguished Achievement | DistinguishedAchievement | String | * Optional element.
* Maximum occurrence is one.
 |
| Advanced Measure | AdvancedMeasure | String | * Optional element.
* Maximum occurrence is four.
* The only acceptable values are listed in Code Table TC29
 |
|  American Indian-Alaska Native | AmericanIndianAlaskaNativeCode | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |
| Asian | AsianCode | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |
| Black-African Americican | BlackAfricanAmericicanCode | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |
| Native Hawaiian-Pacific Islander | NativeHawaiianPacificIslanderCode | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |
| White | WhiteCode | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |
| Hispanic-Latino | HispanicLatinoCode | String | * The only acceptable values are listed in Code Table TC16 (0/1)
* Maximum length of one character.
* Optional element.
 |

Example of TREx Instance

Following is an example of the XSD for an extract file for a student record. Please reference Appendix B of this manual for an example of the full TREx XML schema.

31T<?31T39Txml version="1.0" encoding="UTF-8" 31T39T?>31T

[29T**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml)29T 31T<31T45Ttrex:TRExStudentRecords37T45T xmlns:trex31T37T="31T**urn:us:tx:state:tea:TREx:v1.17**37T xmlns:xsi31T37T="31T**http://www.w3.org/2001/XMLSchema-instance**31T">

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TTRExStudentRecord31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TStudentIdentification31T45T>

1T 1T 31T<31T45TStudentUniqueID31T45T>31T47T123456789031T47T</31T45TStudentUniqueID31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TName31T45T>

1T 1T 31T<31T45TFirstName31T45T>31T47TJoe31T47T</31T45TFirstName31T45T>31T

1T 1T 31T<31T45TMiddleName31T45T>31T47TQ31T47T</31T45TMiddleName31T45T>31T

1T 1T 31T<31T45TLastName31T45T>31T47TJones31T47T</31T45TLastName31T45T>31T

1T 1T 31T<31T45TSuffix31T45T>31T47T131T47T</31T45TSuffix31T45T>31T

1T 1T 31T</31T45TName31T45T>

1T 1T 31T<31T45TStudentID31T45T>31T47T33322444431T47T</31T45TStudentID31T45T>31T

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAddress31T45T>

1T 1T 31T<31T45TAddress31T45T>31T47T101 Congress Ave.31T47T</31T45TAddress31T45T>31T

1T 1T 31T<31T45TCity31T45T>31T47TAustin31T47T</31T45TCity31T45T>31T

1T 1T 31T<31T45TStateProvince31T45T>31T47TTX31T47T</31T45TStateProvince31T45T>31T

1T 1T 31T<31T45TPostalCode31T45T>31T47T7870131T47T</31T45TPostalCode31T45T>31T

1T 1T 31T</31T45TAddress31T45T>

1T 1T 31T</31T45TStudentIdentification31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TParent31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TName31T45T>

1T 1T 31T<31T45TFirstName31T45T>31T47TCassandra31T47T</31T45TFirstName31T45T>31T

1T 1T 31T<31T45TLastName31T45T>31T47TJones31T47T</31T45TLastName31T45T>31T

1T 1T 31T</31T45TName31T45T>

1T 1T 31T</31T45TParent31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TParent31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TName31T45T>

1T 1T 31T<31T45TFirstName31T45T>31T47TGeorge31T47T</31T45TFirstName31T45T>31T

1T 1T 31T<31T45TLastName31T45T>31T47TSmith31T47T</31T45TLastName31T45T>31T

1T 1T 31T</31T45TName31T45T>

1T 1T 31T</31T45TParent31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TStudentDemographic31T45T>

1T 1T 31T<31T45TGender31T45T>31T47TM31T47T</31T45TGender31T45T>31T

1T 1T 31T<31T45TRace31T45T>31T47T531T47T</31T45TRace31T45T>31T

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TEthnicity31T45T>

1T 1T 31T<31T45TAmericanIndianAlaskaNativeCode31T45T>31T47T031T47T</31T45TAmericanIndianAlaskaNativeCode31T45T>31T

1T 1T 31T<31T45TAsianCode31T45T>31T47T131T47T</31T45TAsianCode31T45T>31T

1T 1T 31T<31T45TBlackAfricanAmericanCode31T45T>31T47T131T47T</31T45TBlackAfricanAmericanCode31T45T>31T

1T 1T 31T<31T45THispanicLatinoCode31T45T>31T47T131T47T</31T45THispanicLatinoCode31T45T>31T

1T 1T 31T<31T45TNativeHawaiianPacificIslanderCode31T45T>31T47T031T47T</31T45TNativeHawaiianPacificIslanderCode31T45T>31T

1T 1T 31T<31T45TWhiteCode31T45T>31T47T031T47T</31T45TWhiteCode31T45T>31T

1T 1T 31T</31T45TEthnicity31T45T>

1T 1T 31T<31T45TBirthDate31T45T>31T47T1997-4-131T47T</31T45TBirthDate31T45T>31T

1T 1T 31T<31T45TLanguage31T45T>31T47T9831T47T</31T45TLanguage31T45T>31T

1T 1T 31T<31T45TMigrant31T45T>31T47T031T47T</31T45TMigrant31T45T>31T

31T<31T45TFosterCare31T45T>31T47T031T47T</31T45TFosterCare31T45T >

1T 1T 31T<31T45TMilitaryConnected31T45T>31T47T331T47T</31T45TMilitaryConnected31T45T >31T

1T  1T31T<31T45TDyslexia31T45T>31T47T031T47T</31T45TDyslexia31T45T >31T

31T <31T45THomeless31T45T>31T47T131T47T</31T45THomeless31T45T>31T

31T <31T45TAsyleeRefugeeCode31T45T>31T47T231T47T</31T45TAsyleeRefugeeCode31T45T>

1T 1T 31T</31T45TStudentDemographic31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TSchool31T45T>

1T 1T 31T<31T45TSchoolID31T45T>31T47T00555555531T47T</31T45TSchoolID31T45T>31T

1T 1T 31T<31T45TSchoolName31T45T>31T47TBar School31T47T</31T45TSchoolName31T45T>31T

1T 1T 31T<31T45TDistrictID31T45T>31T47T00555531T47T</31T45TDistrictID31T45T>31T

1T 1T 31T<31T45TDistrictName31T45T>31T47TBar Partner31T47T</31T45TDistrictName31T45T>31T

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAddress31T45T>

1T 1T 31T<31T45TAddress31T45T>31T47T4103 Slaughter Lane31T47T</31T45TAddress31T45T>31T

1T 1T 31T<31T45TCity31T45T>31T47TAustin31T47T</31T45TCity31T45T>31T

1T 1T 31T<31T45TCountry31T45T>31T47TUS31T47T</31T45TCountry31T45T>31T

1T 1T 31T<31T45TPostalCode31T45T>31T47T7874931T47T</31T45TPostalCode31T45T>31T

1T 1T 31T</31T45TAddress31T45T>

1T 1T 31T<31T45TPhoneNumber31T45T>31T47T512414524731T47T</31T45TPhoneNumber31T45T>31T

1T 1T 31T<31T45TFax31T45T>31T47T512292052731T47T</31T45TFax31T45T>31T

1T 1T 31T</31T45TSchool31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TEnrollment31T45T>

1T 1T 31T<31T45TGradeLevel31T45T>31T47T0931T47T</31T45TGradeLevel31T45T>31T

1T 1T 31T<31T45TEntryDate31T45T>31T47T2002-8-3031T47T</31T45TEntryDate31T45T>31T

1T 1T 31T<31T45TExitDate31T45T>31T47T2007-1-331T47T</31T45TExitDate31T45T>31T

1T 1T 31T<31T45TWithdrawDate31T45T>31T47T2007-3-131T47T</31T45TWithdrawDate31T45T>31T

1T 1T 31T<31T45TWithdrawReason31T45T>31T47T0131T47T</31T45TWithdrawReason31T45T>31T

1T 1T 31T<31T45TGradePromoted31T45T>31T47T1131T47T</31T45TGradePromoted31T45T>31T

1T 1T 31T</31T45TEnrollment31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TSpecialPrograms31T45T>

1T 1T 31T<31T45TLEP31T45T>31T47T031T47T</31T45TLEP31T45T>31T

1T 1T 31T<31T45TEconomicDisadvantaged31T45T>31T47T0031T47T</31T45TEconomicDisadvantaged31T45T>31T

1T 1T 31T<31T45TAtRisk31T45T>31T47T031T47T</31T45TAtRisk31T45T>31T

1T 1T 31T<31T45TTitleI31T45T>31T47T031T47T</31T45TTitleI31T45T>31T

1T 1T 31T<31T45TSpecialEd31T45T>31T47T031T47T</31T45TSpecialEd31T45T>31T

1T 1T 31T<31T45TIEP31T45T>31T47T031T47T</31T45TIEP31T45T>31T

1T 1T 31T<31T45TBilingual31T45T>31T47T031T47T</31T45TBilingual31T45T>31T

1T 1T 31T<31T45TESL31T45T>31T47T031T47T</31T45TESL31T45T>31T

1T 1T 31T<31T45TGiftedTalented31T45T>31T47T231T47T</31T45TGiftedTalented31T45T>31T

1T 1T 31T<31T45TCTE31T45T>31T47T031T47T</31T45TCTE31T45T>31T

1T 1T 31T<31T45TPersonalGradPlan31T45T>31T47T031T47T</31T45TPersonalGradPlan31T45T>31T

1T 1T 31T</31T45TSpecialPrograms31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessment31T45T>

1T 1T 31T<31T45TTestName31T45T>31T47T0131T47T</31T45TTestName31T45T>31T

1T 1T 31T<31T45TTestLevel31T45T>31T47T1031T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2006-331T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47T10031T47T</31T45TTestScore31T45T>31T

1T 1T 31T</31T45TAssessment31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessment31T45T>

1T 1T 31T<31T45TTestName31T45T>31T47T0531T47T</31T45TTestName31T45T>31T

1T 1T 31T<31T45TTestLevel31T45T>31T47T1131T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2007-331T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47T10031T47T</31T45TTestScore31T45T>31T

1T 1T 31T</31T45TAssessment31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessment31T45T>

1T 1T 31T<31T45TTestName31T45T>31T47T0631T47T</31T45TTestName31T45T>31T

1T 1T 31T<31T45TTestLevel31T45T>31T47T1131T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2007-331T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47T10031T47T</31T45TTestScore31T45T>31T

1T 1T 31T</31T45TAssessment31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessment31T45T>

1T 1T 31T<31T45TTestName31T45T>31T47T1131T47T</31T45TTestName31T45T>31T

1T 1T 31T<31T45TTestLevel31T45T>31T47T1031T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2007-0431T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TExitRequirementMetDate31T45T>31T47T2007-0531T47T</31T45TExitRequirementMetDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47TExempt31T47T</31T45TTestScore31T45T>31T

1T 1T 31T<31T45TTestCode31T45T>31T47TD31T47T</31T45TTestCode31T45T>31T

1T 1T 31T</31T45TAssessment31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessment31T45T>

1T 1T 31T<31T45TTestName31T45T>31T47T1231T47T</31T45TTestName31T45T>31T

1T 1T 31T<31T45TTestLevel31T45T>31T47T1031T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2007-0231T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TExitRequirementMetDate31T45T>31T47T2007-0531T47T</31T45TExitRequirementMetDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47T210031T47T</31T45TTestScore31T45T>31T

1T 1T 31T</31T45TAssessment31T45T>

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1T 1T 31T<31T45TTestLevel31T45T>31T47T1031T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2007-0231T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TExitRequirementMetDate31T45T>31T47T2007-0331T47T</31T45TExitRequirementMetDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47T210031T47T</31T45TTestScore31T45T>31T

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessmentSubTest31T45T>

1T 1T 31T<31T45TSubTestName31T45T>31T47TTAKS Writing31T47T</31T45TSubTestName31T45T>31T

1T 1T 31T<31T45TSubTestScore31T45T>31T47T100031T47T</31T45TSubTestScore31T45T>31T

1T 1T 31T</31T45TAssessmentSubTest31T45T>

1T 1T 31T</31T45TAssessment31T45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) 31T<31T45TAssessment31T45T>

1T 1T 31T<31T45TTestName31T45T>31T47T4731T47T</31T45TTestName31T45T>31T

1T 1T 31T<31T45TTestLevel31T45T>31T47T1031T47T</31T45TTestLevel31T45T>31T

1T 1T 31T<31T45TTestDate31T45T>31T47T2012-0431T47T</31T45TTestDate31T45T>31T

1T 1T 31T<31T45TTestScore31T45T>31T47T185031T47T</31T45TTestScore31T45T>

 <45TPerformanceLevel45T>47T247T</45T PerformanceLevel45T >

1T 1T </45TAssessment45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TAttendance45T>

1T 1T <45TDaysAttended45T>47T8047T</45TDaysAttended45T>

1T 1T <45TDaysAbsent45T>47T047T</45TDaysAbsent45T>

1T 1T </45TAttendance45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TImmunization45T>

1T 1T <45TImmunizationCode45T>47TDTP47T</45TImmunizationCode45T>

1T 1T <45TImmunizationDate45T>47T2002-4-147T</45TImmunizationDate45T>

1T 1T <45TImmunizationDose45T>47T2547T</45TImmunizationDose45T>

1T 1T </45TImmunization45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TDisciplineAction45T>

1T 1T <45TDisciplineActionDate45T>47T2010-12-2147T</45TDisciplineActionDate45T>

1T 1T <45TDisciplineActionCode45T>47T2547T</45TDisciplineActionCode45T>

1T 1T <45TDisciplineActionReason45T>47T2647T</45TDisciplineActionReason45T>

1T 1T </45TDisciplineAction45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TAcademicStatus45T>

1T 1T <45TGraduationDate45T>47T2015-0647T</45TGraduationDate45T>

 <45TSpeechMetDate45T>47T2014-0147T</45TSpeechMetDate>

1T 1T <45TGraduationDiplomaType45T>47T3447T</45TGraduationDiplomaType45T>

1T 1T <45TTexasGrant45T>47T047T</45TTexasGrant45T>[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml)

<45TDistinguishedAchievements45T>

1T 1T <45TAdvancedMeasure45T>47TA47T</45TAdvancedMeasure45T>

1T 1T <45TAdvancedMeasure45T>47TD47T</45TAdvancedMeasure45T>

1T 1T <45TAdvancedMeasure45T>47TE47T</45TAdvancedMeasure45T>

1T 1T <45TAdvancedMeasure45T>47TF47T</45TAdvancedMeasure45T>

</45TDistinguishedAchievements45T>

1T 1T <45TFHSPParticipantCode45T>47T147T</45TFHSPParticipantCode45T >

1T 1T <45TFHSPDistingIndicatorCode45T>47T147T</45TFHSPDistingIndicatorCode45T>

 <STEMEndorsementCode>47T147T</STEMEndorsementCode>

 1T <MultiStudiesEndorsementCode>47T247T</MultiStudiesEndorsementCode> 1T

1T 1T <DualCreditType>

1T 1T <DualCreditCode>**1**</DualCreditCode>

1T 1T <MetDate>**2013-05**</MetDate>

1T 1T </DualCreditType>

1T 1T <BilingBilitType>

1T 1T <BilingBilitCode>**1**</BilingBilitCode>

1T 1T <MetDate>**2013-01**</MetDate>

1T 1T </BilingBilitType>

1T 1T <CollegeAssessType>

1T 1T <CollegeAssessCode>**3**</CollegeAssessCode>

1T 1T <MetDate>**2012-02**</MetDate>

1T 1T </CollegeAssessType>

1T 1T <ApIbType>

1T 1T <ApIbCode>**2**</ApIbCode>

1T 1T <MetDate>**2013-05**</MetDate>

1T 1T </ApIbType>

1T 1T <ApIbType>

1T 1T <ApIbCode>**115**</ApIbCode>

1T 1T <MetDate>**2011-11**</MetDate>

1T 1T </ApIbType>

1T 1T <CertLicType>

1T 1T <CertLicCode>**MicroSoft Developer Network**</CertLicCode>

1T 1T <MetDate>**2012-08**</MetDate>

1T 1T </CertLicType>

1T 1T <45TIGCGradReview45T>47T147T</5T IGCGradReview>

1T 1T <FHSPCollegeCareerInstructionIndicator>47T147T</FHSPCollegeCareerInstructionIndicator>

1T 1T <AssociateDegree>47T147T</AssociateDegree>

1T 1T <OnRamps>47T047T<OnRamps>

1T 1T <CPRMetDate>47T2012-0947T</CPRMetDate>

1T1T 1T <POIIMetDate>47T2012-0947T</POIIMetDate>

1T 1T <Section504>47T047T</Section504>

1T 1T <StarofTexas>**1**47T</StarofTexas>

 1T </45TAcademicStatus45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TCurrentCoursework45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TCourse45T>

1T 1T <45TCourseTitle45T>47TAlgebra I 209247T</45TCourseTitle45T>

1T 1T <45TCourseID45T>47T0310050047T</45TCourseID45T>

1T 1T <45TSemester45T>47T147T</45TSemester45T>

1T 1T <45TClassPeriod45T>47T647T</45TClassPeriod45T>

1T 1T <45TSubjectArea45T>47TMA47T</45TSubjectArea45T>

1T 1T <45TCourseGrade45T>47T9547T</45TCourseGrade45T>

1T 1T <45TExplanation45T>47TA47T</45TExplanation45T>

1T 1T <45TCourseTeacher45T>47TSmith47T</45TCourseTeacher45T>

1T 1T </45TCourse45T>

1T 1T <45TSchoolYear45T>47T2006-200747T</45TSchoolYear45T>

1T 1T <45TGradeLevel45T>47T0947T</45TGradeLevel45T>

1T 1T </45TCurrentCoursework45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TAcademicSession45T>

1T 1T <45TSchoolYear45T>47T2006-200747T</45TSchoolYear45T>

1T 1T <45TGradeLevel45T>47T0847T</45TGradeLevel45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TCourse45T>

1T 1T <45TCourseTitle45T>47TEnglish 3 103047T</45TCourseTitle45T>

1T 1T <45TCourseID45T>47T0322030047T</45TCourseID45T>

1T 1T <45TSemester45T>47T147T</45TSemester45T>

1T 1T <45TClassPeriod45T>47T147T</45TClassPeriod45T>

1T 1T <45TSubjectArea45T>47TELA47T</45TSubjectArea45T>

1T 1T <45TCourseGrade45T>47T9047T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T9547T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T10047T</45TCourseGrade45T>

1T 1T <45TGradeAverage45T>47T9547T</45TGradeAverage45T>

1T 1T <45TSemesterSeq45T>47T147T</45TSemesterSeq45T>

1T 1T </45TCourse45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TCourse45T>

1T 1T <45TCourseTitle45T>47TBiology 309147T</45TCourseTitle45T>

1T 1T <45TCourseID45T>47T0301020047T</45TCourseID45T>

1T 1T <45TSemester45T>47T147T</45TSemester45T>

1T 1T <45TClassPeriod45T>47T247T</45TClassPeriod45T>

1T 1T <45TSubjectArea45T>47TSC47T</45TSubjectArea45T>

1T 1T <45TCourseGrade45T>47T9047T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T9147T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T9247T</45TCourseGrade45T>

1T 1T <45TGradeAverage45T>47T9147T</45TGradeAverage45T>

1T 1T <45TSemesterSeq45T>47T147T</45TSemesterSeq45T>

1T 1T </45TCourse45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TCourse45T>

1T 1T <45TCourseTitle45T>47TEnglish 3 103047T</45TCourseTitle45T>

1T 1T <45TCourseID45T>47T0322030047T</45TCourseID45T>

1T 1T <45TSemester45T>47T247T</45TSemester45T>

1T 1T <45TClassPeriod45T>47T147T</45TClassPeriod45T>

1T 1T <45TSubjectArea45T>47TELA47T</45TSubjectArea45T>

1T 1T <45TCourseGrade45T>47T8547T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T8547T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T8547T</45TCourseGrade45T>

1T 1T <45TGradeAverage45T>47T8547T</45TGradeAverage45T>

1T 1T <45TCourseCredit45T>47T1.047T</45TCourseCredit45T>

1T 1T <45TSemesterSeq45T>47T247T</45TSemesterSeq45T>

1T 1T <45TFinalGradeAverage45T>47T9047T</45TFinalGradeAverage45T>

1T 1T </45TCourse45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TCourse45T>

1T 1T <45TCourseTitle45T>47TBiology 309147T</45TCourseTitle45T>

1T 1T <45TCourseID45T>47T0301020047T</45TCourseID45T>

1T 1T <45TSemester45T>47T247T</45TSemester45T>

1T 1T <45TClassPeriod45T>47T247T</45TClassPeriod45T>

1T 1T <45TSubjectArea45T>47TSC47T</45TSubjectArea45T>

1T 1T <45TCourseGrade45T>47T7047T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T7547T</45TCourseGrade45T>

1T 1T <45TCourseGrade45T>47T7847T</45TCourseGrade45T>

1T 1T <45TGradeAverage45T>47T7447T</45TGradeAverage45T>

1T 1T <45TCourseCredit45T>47T1.047T</45TCourseCredit45T>

1T 1T <45TSemesterSeq45T>47T247T</45TSemesterSeq45T>

1T 1T <45TFinalGradeAverage45T>47T8347T</45TFinalGradeAverage45T>

1T 1T </45TCourse45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TAcademicSummary45T>

1T 1T <45TGPA45T>47T3.047T</45TGPA45T>

1T 1T </45TAcademicSummary45T>

1T 1T </45TAcademicSession45T>

[**-**](file:///C%3A%5CDocuments%20and%20Settings%5Cgshelton%5CLocal%20Settings%5CTemporary%20Internet%20Files%5CContent.Outlook%5CRV3ZPFF7%5Cexample%20trex.xml) <45TAcademicSummary45T>

1T 1T <45TGPA45T>47T3.047T</45TGPA45T>

1T 1T <45TClassTotalNumber45T>47T20047T</45TClassTotalNumber45T>

1T 1T <45TClassRank45T>47T1547T</45TClassRank45T>

1T 1T <45TClassRankingDate45T>47T2006-12-147T</45TClassRankingDate45T>

1T 1T <45TQuartile45T>47T147T</45TQuartile45T>

1T 1T </45TAcademicSummary45T>

1T 1T </45TTRExStudentRecord45T>

1T 1T </45Ttrex:TRExStudentRecords45T>

TREx Complex Types

Following is a list of the complex types and groups included in the TREx XML schema. Please refer to Appendix B for a full copy of the TREx XML Schema.

| **Complex Type Name** | **Sequence** |
| --- | --- |
| AcademicSessionType | SchoolYear |
|  | GradeLevel |
|  | SessionType |
|  | CourseType |
|  | AcademicSummaryType |
|  |  |
| AcademicStatusType | GraduationDate  |
|  | SpeechMetDate  |
|  | GraduationDiplomaType  |
|  | CertificateDate  |
|  | TexasGrant  |
|  | DistinguishedAchievements |
|  | AdvancedMeasure  |
|  | FHSPParticipantCode  |
|  | FHSPDistingIndicatorCodeSTEMEndorsementCodeBusinessEndorsementCodePublicServicesEndorsementCode  |
|  | ArtsEndorsementCode |
|  | MultiStudiesEndorsementCode  |
|  | DualCreditType  |
|  | BilingBilitType  |
|  | CollegeAssesType  |
|  | ApIbType) |
|  | CertLicType  |
|  | IGCGradReview  |
|  | FHSPCollegeCareerInstructionndicator  |
|  | AssociateDegree |
|  | OnRamps |
|  | CPRMetDate |
|  | POIIMetDate |
|  | Section504 |
|  | StarofTexas |
|  |  |
| AcademicSummaryType | GPA |
|  | ClassTotalNumber |
|  | ClassRank |
|  | ClassRankingDate |
|  | Quartile |
|  | CollegeCampusCode |
|  |  |
| AddressType | Address |
|  | City |
|  | StateProvince |
|  | Country |
|  | PostalCode |
|  |  |
| AssessmentType | TestName |
|  | TestLevel |
|  | TestDate |
|  | ExitRequirementMetDate |
|  | TestScore |
|  | TestCodePerformanceLevel |
|  | AssessmentSubTest |
|  |  |
| AssessmentSubTestType | SubTestNameSubTestScore |
| AttendanceType | DaysAttended |
|  | DaysAbsent |
|  |  |
| CourseType | CourseTitle |
|  | CourseID |
|  | Abbreviation |
|  | Semester |
|  | ClassPeriod |
|  | SubjectArea |
|  | CourseGrade |
|  | WithdrawGrade |
|  | GradeAverage |
|  | CourseCredit |
|  | PassFailCredit |
|  | Explanation |
|  | CourseTeacher |
|  | CreditCampus |
|  | SemesterSeq |
|  | FinalGradeAverage |
|  |  |
| CurrentCourseworkType | CourseType |
|  | SchoolYear |
|  | GradeLevel |
|  | SessionType |
|  |  |
| DisciplineActionType | DisciplineActionDate |
|  | DisciplineActionNum |
|  | DisciplineActionCode |
|  | DisciplineActionReason |
|  |  |
| DistinguishedAchievementType | AdvancedMeasure |
|  |  |
| EnrollmentType | GradeLevel |
|  | EntryDate |
|  | ExitDate |
|  | WithdrawDate |
|  | WithdrawReason |
|  | GradePlaced |
|  | GradePromoted |
|  | GradeRetained |
|  |  |
| EthnicityType | AmericanIndianAlaskaNativeCode |
|  | AsianCode |
|  | BlackAfricanAmericanCode |
|  | HispanicLatinoCode |
|  | NativeHawaiianPacificIslanderCode |
|  | WhiteCode |
| ImmunizationType | ImmunizationCode |
|  | ImmunizationDate |
|  | ImmunizationDose |
|  |  |
| ParentType | PersonNameType |
|  |  |
| PersonNameType | FirstName |
|  | MiddleName |
|  | LastName |
|  | Suffix |
|  |  |
| PhoneNumberGroup | PhoneNumber |
|  | Fax |
|  |  |
| SchoolType | SchoolID |
|  | SchoolName |
|  | DistrictID |
|  | DistrictName |
|  | AddressType |
|  | PhoneNumberGroup |
|  |  |
| SpecialProgramsType | LEP  |
|  | EconomicDisadvantaged |
|  | AtRisk  |
|  | TitleI |
|  | SpecialEd |
|  | IEP  |
|  | Bilingual |
|  | ESL  |
|  | GiftedTalented |
|  | CTE  |
|  | Personal Graduation Plan |
|  |  |
|  |  |
| StudentDemographicType | Gender |
|  | Race |
|  | BirthDate |
|  | Language |
|  | MigrantFoster Care  |
|  | MilitaryConnectedDyslexia |
|  | HomelessAsyleeRefugee  |
|  |  |
| StudentIdentificationType | StudentUniqueID PersonNameType |
|  | StudentID |
|  | PriorID |
|  | LocalID |
|  | AddressType |
|  |  |
| Student RecordType | StudentIdentificationType |
|  | ParentType |
|  | StudentDemographicType |
|  | SchoolType |
|  | EnrollmentType |
|  | SpecialProgramsType |
|  | AssessmentType |
|  | AttendanceType |
|  | ImmunizationType |
|  | DisciplineActionType |
|  | AcademicStatusType |
|  | CurrentCourseworkType |
|  | AcademicSessionType |
|  | AcademicSummaryType |

TREx Simple Types

| Following is a list of the simple types found in the TREx XML schema: |  |
| --- | --- |
| **Common Name** | **Simple Name** |
| Academic Year | SchoolYear |
| Additional Test Name | AdditionalTestName |
| Address (Student/Campus) | Address |
| Advanced Measure | AdvancedMeasure |
| American Indian-Alaska Native | AmericanIndianAlaskaNativeCode |
| Arts and Humanities Endorsement Indicator Code | ArtsEndorsementCode |
| Asian | AsianCode |
| Assessment Date | TestDate |
| Assessment Date Exit Requirement Met  | ExitRequirementMetDate |
| Assessment Grade Level | TestLevel |
| Assessment Name | TestName |
| Assessment Score | TestScore |
| Assessment Score Code | TestCode |
| Assessment SubTest | SubTestName |
| Assessment SubTest Score | SubTestScore |
| Associate Degree Indicator Code | AssociateDegree |
| At Risk Indicator | AtRisk |
| Bilingual Indicator | Bilingual |
| Black-African American | BlackAfricanAmericanCode |
| Business and Industries Endorsement Indicator Code | BusinessEndorsementCode |
| Campus Awarding Credit | CreditCampus |
| Campus Fax | Fax |
| Campus ID | SchoolID |
| Campus Name | SchoolName |
| Campus Phone | PhoneNumber |
| Career and Tech Ed Indicator | CTE |
| Certification of Coursework Completion | CertificateDate |
| City (Student/Campus) | City |
| Class Period | ClassPeriod |
| Class Rank | ClassRank |
| College Board Campus Code | CollegeCampusCode |
| Country | Country |
| Course Abbreviation | Abbreviation |
| Course Category | SubjectArea |
| Course Credit | CourseCredit |
| Course Grade | CourseGrade |
| Course Grade Average | GradeAverage |
| Course Name | CourseTitle |
| Course Number | CourseID |
| Course Semester | Semester |
| Course Teacher | CourseTeacher |
| CPR-Instruction-Met-Date | CPRInstructionMetDate |
| Date of Birth | BirthDate |
| Date of Ranking | ClassRankingDate |
| Disciplinary Action Code | DisciplineActionCode |
| Disciplinary Action End Date | DisciplineActionDate |
| Disciplinary Action Number | DisciplineActionNum |
| Disciplinary Action Reason | DisciplineActionReason |
| District Name | DistrictName |
| Dyslexia Indicator Code | Dyslexia |
| Economically Disadvantaged Indicator | EconomicDisadvantaged |
| ESL (English as Second Language) Indicator | ESL |
| Ethnicity | Race |
| FHSP College Career Instruction Indicator Code | FHSPCollegeCareerInstructionIndicator |
| FHSP Disting Level Achieve Indicator Code | FHSPDistingIndicatorCode |
| FHSP Participant Code | FHSPParticipantCode |
| Final Grade Average | FinalGradeAverage |
| First Name (Student/Parent) | FirstName |
| Foster Care Indicator Code | FosterCare |
| Gender Code | Gender |
| Generation Code (Student/Parent) | Suffix |
| Gifted/Talented Indicator | GiftedTalented |
| Grade Level | GradeLevel |
| Grade of Retention | GradeRetained |
| Grade Point Average | GPA |
| Graduation Date | GraduationDate |
| Graduation Program Type | GraduationDiplomaType |
| Hispanic Latino | HispanicLatinoCode |
| Homeless Indicator | Homeless |
| IEP (Individualized Education Program) Indicator | IEP |
| Immunization Date | ImmunizationDate |
| Immunization Description | ImmunizationCode |
| Immunization Dose | ImmunizationDose |
| Home Language | Language |
| Last Date of Attendance | ExitDate |
| Last Name (Student/Parent) | LastName |
| Last Withdrawal Date | WithdrawDate  |
| LEP (Limited English Proficiency) Indicator | LEP |
| Local Student ID | LocalID |
| Middle Name (Student/Parent) | MiddleName |
| Migrant Indicator | Migrant |
| 45TMilitary Connected | 45TMilitaryConnected |
| Multi Disciplinary Studies Endorsement Indicator Code | MultiStudiesEndorsementCode |
| Native Hawaiian Pacific Islander | NativeHawaiianPacificIslanderCode |
| Number in Class | ClassTotalNumber |
| On-Ramps Dual Enrollment Indicator Code | OnRamps |
| Original Entry Date | EntryDate |
| Pass/Fail Credit Indicator | PassFailCredit |
| Peace-Officer-Interaction-Instruction-Met-Date | POIIMetDate |
| Performance Acknowledgment AP IB | PerfAckApIbCode |
| Performance Acknowledgment Bilingualism/Biliteracy | PerfAckBilingBilitCode |
| Performance Acknowledgment College Readiness Assessment | PerfAckCollegeAssessCode |
| Performance Acknowledgment Dual Credit | PerfAckDualCreditCode |
| Performance Acknowledgment Met Date | MetDate |
| Personal Graduation Plan | PersonalGradPlan |
| Placed In Grade | GradePlaced |
| Prior ID | PriorID |
| Promoted To Grade | GradePromoted |
| Public Services Endorsement Indicator Code | PublicServicesEndorsementCode |
| Quartile | Quartile |
| Race/Ethnicity | Ethnicity |
| Section 504 Indicator Code | Section504 |
| Semester Sequence | SemesterSeq |
| Session Type | SessionType |
| Special Education Indicator | SpecialEd |
| Special Explanation | Explanation |
| Speech Requirement Met Date | SpeechMetDate |
| Individual Graduation Committee Review Code | IGCGradReview |
| STAAR Performance Level | PerformanceLevel |
| Star of Texas Indicator Code | StarofTexas |
| State (Student/Campus) | StateProvince |
| STEM Endorsement Indicator Code | STEMEndorsementCode |
| Student ID | StudentID |
| Texas Grant Indicator | TexasGrant |
| Title I Part A Indicator | TitleI |
| Total Days Absent | DaysAbsent |
| Tx Student Unique ID | StudentUniqueID |
| Unschooled Asylee/Refugee | AsyleeRefugee |
| White | WhiteCode |
| Withdrawal Course Grade | WithdrawGrade |
| Withdrawal Reason | WithdrawReason |
| Zip (Student/Campus) | PostalCode |

TREx Enumerated Values

Following is a list of the data elements with enumerated values. These are described further in Sections 2 and 3 of this manual, as well as included in the schema in Appendix B.

|  |  |  |
| --- | --- | --- |
| **Code Table Common Name** | **Element XML Short Name** | **Location** |
| Advanced Measure | AdvancedMeasure | Student Record; Transcript |
| Assessment Name | TestName | Student Record; Transcript |
| Assessment Score Code | TestCode | Student Record |
| Bilingual Program Type Code | Bilingual  | Student Record |
| Career Tech Ed Indicator | CTE | Student Record |
| Course Category | SubjectArea | Transcript |
| Country | Country | Transcript |
| CPR-Instruction-Met-Date | CPRInstructionMetDate | Student Record; Transcript |
| Discipline Action Code | DisciplineActionCode | Student Record |
| Discipline Action Reason | DisciplineActionReason | Student Record |
| Economic Disadvantaged | EconomicDisadvantage | Student Record |
| ESL Program Type Code | ESL  | Student Record |
| Ethnicity (USDE 1977 definitions) | Race | Student Record; Transcript |
| Foster Care Indicator Code | FosterCare | StudentRecord |
| FHSP | FHSPParticipantCode | Student Record |
| FHSP | FHSPDistingIndicatorCode | Student Record; Transcript |
| FHSP | ArtsEndorsementCode | Student Record; Transcript |
| FHSP | BusinessEndorsementCode | Student Record; Transcript |
| FHSP | MultiStudiesEndorsementCode | Student Record; Transcript |
| FHSP | PublicServicesEndorsementCode | Student Record; Transcript |
| FHSP | STEMEndorsementCode | Student Record; Transcript |
| Gender | Gender | Student Record; Transcript |
| Generation Code | Suffix | Student Record; Transcript |
| Gifted Talented Indicator  | GiftedTalented  | Student Record |
| Grade Level | GradeLevel | Student Record; Transcript |
| Graduation Program Type | GraduationDiplomaType | Transcript |
| Homeless Indicator | Homeless  | Student Record |
| Individual Graduation Committee Review Code | IGCCode | Student Record |
| Home Language | Language | Student Record |
| LEP Indicator | LEP | Student Record |
| 45TMilitary Connected | 45TMilitaryConnected | Student Record |
| Quartile | Quartile | Transcript |
| Participation Indicator Code | SpecialEd  | Student Record |
| Participation Indicator Code | AtRisk  | Student Record |
| Participation Indicator Code | Migrant  | Student Record |
| Participation Indicator Code | IEP  | Student Record |
| Participation Indicator Code | PersonalGradPlan | Student Record |
| Participation Indicator Code | Dyslexia | Student Record |
| Participation Indicator Code | FHSPCollegeCareerInstructionIndicator | Student Record |
| Participation Indicator Code | AssociateDegree  | Student Record |
| Participation Indicator Code | OnRamps | Student Record |
| Participation Indicator Code | Section504 | Student Record |
| Participation Indicator Code | StarofTexas | Student Record |
| Peace-Officer-Interaction-Instruction-Met-Date | POIIMetDate | Student Record; Transcript |
| Performance Acknowledgment AP IB | PerfAckApIbCode | Student Record; Transcript |
| Performance Acknowledgment Bilingualism/Biliteracy | PerfAckBilingBilitCode | Student Record; Transcript |
| Performance Acknowledgment College Readiness Assessment | PerfAckCollegeAssessCode | Student Record; Transcript |
| Performance Acknowledgment Dual Credit | PerfAckDualCreditCode | Student Record; Transcript |
| Race/Ethnicity (USDE 1997 definitions) | Ethnicity | Student Record, Transcript |
| Semester Sequence Code | SemesterSeq | Student Record, Transcript |
| Special Explanation Code | Explanation | Transcript |
| STAAR Performance Level | PerformanceLevel | Student Record, Transcript |
| State | StateProvince | Student Record, Transcript |
| Texas Grant Indicator Code | TexasGrant | Transcript |
| Title I Part A IndicatorUnschooled Asylee/Refugee Code  | TitleIAsyleeRefugee | Student RecordStudent Record |
| Withdrawal Reason Code | WithdrawReason | Student Record |

Hierarchy of XML Elements

TRExStudentRecords

TRExStudentRecord (1 … n)

StudentIdentificationType (1)

 StudentUniqueID (1)

Name (1)

FirstName (1)

MiddleName (0 or 1)

LastName (1)

Suffix (0 or 1)

 PriorID (0 or 1)

 LocalID (0 or 1)

 Address (0 or 1)

 Address (0 or 1)

 City (0 or 1)

 StateProvince (0 or 1)

 Country (0 or 1)

 PostalCode (0 or 1)

 Parent (0 … 9)

Name (1)

FirstName (1)

MiddleName (0 or 1)

LastName (1)

Suffix (0 or 1)

StudentDemographic (1)

Gender (1)

 Race (0 or 1)

 Ethnicity (0 or 1)

 BirthDate (1)

 Language (0 or 1)

 Migrant (0 or1)

 FosterCare(0 or 1)

MiltaryConnected (0 or1)

Dyslexia (0 or 1)

 Homeless (0 or 1)

AsyleeRefugeeCode (0 or 1)

School (1)

SchoolID (1)

 SchoolName (1)

 DistrictID (1)

 DistrictName (0 or 1)

 Address (0 or 1)

 Address (0 or 1)

 City (0 or 1)

 StateProvince (0 or 1)

 Country (0 or 1)

 PostalCode (0 or 1)

PhoneNumber (1)

 Fax (0 or 1)

Enrollment (1)

GradeLevel (1)

 EntryDate (0 or 1)

 ExitDate (0 or 1)

 WithdrawDate (0 or 1)

 WithdrawReason (0 or 1)

 GradePlaced (0 or 1)

 GradePromoted (0 or 1)

 GradeRetained (0 or 1)

SpecialPrograms (0 or 1)

 LEP (0 or 1)

 EconomicDisadvantaged (0 or 1)

 AtRisk (0 or 1)

 TitleI (0 or 1)

 SpecialEd (0 or 1)

 IEP (0 or 1)

 Bilingual (0 or 1)

 ESL (0 or 1)

 GiftedTalented (0 or 1)

 CTE (0 or 1)

 PersonalGradPlan (0 or 1)

Assessment (0 … n)

TestName (0 or 1)

 or

AdditionalTestName (0 or 1)

TestLevel (0 or 1)

TestDate (0 or 1)

ExitRequirementMetDate (0 or 1)

TestScore (0 or 1)

TestCode (0 or 1)

PerformanceLevel(0 or 1)

 AssessmentSubTest (0 … n)

 SubTestName (0 or 1)

 SubTestScore (0 or 1)

Attendance (0 or 1)

DaysAttended (0 or 1)

DaysAbsent (0 or 1)

 Immunization (0 … n)

ImmunizationCode (0 or 1)

ImmunizationDate (0 or 1)

ImmunizationDose (0 or 1)

 DisciplineAction (0 … n)

DisciplineActionDate (0 or 1)

 DisciplineActionNum (0 or 1)

 DisciplineActionCode (0 or 1)

 DisciplineActionReason (0 or 1)

AcademicStatus (0 or 1)

GraduationDate (0 or 1)

SpeechMetDate (0 or 1)

GraduationDiplomaType (0 or 1)

CertificateDate (0 or 1)

TexasGrant (0 or 1)

DistinguishedAchievements (0 or 1)

AdvancedMeasure (0…4)

FHSPParticipantCode (0 or 1)

FHSPDistingIndicatorCode (0 or 1)

ArtsEndorsementCode (0 or 1)

BusinessEndorsementCode (0 or 1)

MultiStudiesEndorsementCode (0 or 1)

PublicServicesEndorsementCode (0 or 1)

STEMEndorsementCode (0 or 1)

|  |
| --- |
| DualCreditType (0… n) |
| BilingBilitType (0… n) |
| CollegeAssesType (0… n) |
| ApIbType (0… n) |
| CertLicType (0… n) |

IGCGradReview (0 or 1)

FHSPCollegeCareerInstructionIndicator (0 or 1)

AssociateDegree (0 or 1)

OnRamps (0 or 1)

CPRMetDate(0 or 1)

POIIMetDate

Section504

StarofTexas

CurrentCoursework (0 or 1)

 Course (1 … n)

 CourseTitle (0 or 1)

 CourseID (0 or 1)

 Abbreviation (0 or 1)

 Semester (0 or 1)

 ClassPeriod (0 or 1)

 SubjectArea (0 or 1)

 CourseGrade (0 … n)

 WithdrawGrade (0 or 1)

 GradeAverage (0 or 1)

 CourseCredit (0 or 1)

 PassFailCredit (0 or 1)

 Explanation (0 … n)

 CourseTeacher (0 or 1)

 CreditCampus (0 or 1)

 SemesterSeq (0 or 1)

 FinalGradeAverage (0 or 1)

 SchoolYear (1)

 GradeLevel (1)

 AcademicSession (0 … n)

 SchoolYear (1 … n)

 GradeLevel (1)

 Course (1 … n)

 CourseTitle (0 or 1)

 CourseID (0 or 1)

 Abbreviation (0 or 1)

 Semester (0 or 1)

 ClassPeriod (0 or 1)

 SubjectArea (0 or 1)

 CourseGrade (0 … n)

 WithdrawGrade (0 or 1)

 GradeAverage (0 or 1)

 CourseCredit (0 or 1)

 PassFailCredit (0 or 1)

 Explanation (0 … n)

 CourseTeacher (0 or 1)

 CreditCampus (0 or 1)

 SemesterSeq (0 or 1)

 FinalGradeAverage (0 or 1)

 AcademicSummary (0 or 1)

 GPA (0 or 1)

 ClassTotalNumber (0 or 1)

 ClassRank (0 or 1)

 ClassRankingDate (0 or 1)

 Quartile (0 or 1)

 CollegeCampusCode (0 or 1)

 AcademicSummary (0 or 1)

 GPA (0 or 1)

 ClassTotalNumber (0 or 1)

 ClassRank (0 or 1)

 ClassRankingDate (0 or 1)

 Quartile (0 or 1)

 CollegeCampusCode (0 or 1)