Last Updated on September 9, 2026

About

Teacher Course Student (TCS) data includes courses offered, sections of the courses, staff assigned to teach courses and students enrolled in a course. The TCS data is used for many purposes including providing teachers with student-level access to data in the Student Data Portal (SDP).

The K12 SECTION-COURSE submission includes links between your LEA course code and the SCED course code. Further information regarding School Codes for the Exchange of Data (SCED) is available through NCES at https://nces.ed.gov/forum/SCED.asp.

Requirements

The *teacher-course-student* data collection consists of 4 submissions: K12 SECTION-COURSE, K12 SECTION-SECTION, K12 SECTION-STAFF and K12 SECTION-STUDENT. LEAs began reporting TCS data to RIDE in the 2011-12 school year. *Teacher-course-student* data submissions should be submitted at the beginning of the year and maintained daily. The COURSE and SECTION submissions do need to be submitted to RIDE daily. The STAFF and STUDENT submissions should be submitted to RIDE daily to reflect the changes in student classes, student mobility, teacher class assignments changes and teacher mobility.

Changes for 2026-27 School Year

The MINUTESPERMEETING, MEETINGDAYSINCYCLE, and TOTALDAYSINCYCLE fields were removed from the K12 SECTION-SECTION submission this year. In addition, the COURSELEVEL, HSCOURSEREQUIRED and CREDITAVAILABLE fields in the K12 SECTION-COURSE submission is now required for courses that include grades 9, 10, 11 or 12.

Submission Process

Teacher-course-student data can be submitted through RIDE's portal (https://portal.ride.ri.gov) using the Enrollment Census application located in the eRIDE Modules section or through the Automated Data Transfer (ADT) agent. *TCS-Course, TCS-Section, TCS-Student, TCS-Staff are* submission types within the Enrollment Census application.

K12 SECTION – COURSE

Data Elements (Items in red are changes from the previous year's collection)

FieldName	FieldNameLong	FieldType	FieldLength	Required	ElementDescription
DISTCODE	State Assigned District ID	TEXT	2	Y	The identifier assigned to a local education agency (LEA) by the State Education Agency (SEA). Also known as the State ID.
SCHCODE	State Assigned School ID	TEXT	5	Y	State Assigned School Code
LOCALCOURSEID	Local Course ID	TEXT	20	Y	The identifier for the course assigned by the local education agency (LEA).
LOCALCOURSETITLE	Local Course Title	TEXT	100	Y	The descriptive name given to a course of study offered in a school or other institution or organization.
SCEDCOURSE	School Codes for the Exchange of Data (SCED) Course Description	TEXT	5	Y	The five-digit School Codes for the Exchange of Data (SCED) course description. The first two-digits of the code represent the SCED Course Subject Area and the next three-digits represent the SCED Course Identifier.
COURSELEVEL	Course Level	TEXT	5	C	A course's level of rigor.
HSCOURSEREQUIRED	High School Course Requirement	TEXT	1	C	An indication that this course credit is required for a high school diploma.
CREDITAVAILABLE	Available Credit	TEXT	4	C	The amount of course credit available to a student who successfully meets the objectives for courses that carry credit. Available Credit is coded as a one-digit number carried out to two decimal places. One unit would be coded as 1.00. A half-unit of credit would be reported as 0.50.
GRADESPAN	Course Grade Span	TEXT	4	Y	Identifies the intended grade span for which the course is appropriate and is represented as a four-character code with no decimals. Grade levels are represented by a two-digit code, ranging from 01 to 12; kindergarten is KG, and prekindergarten is PK. Sample grade spans would be KG01, 0103, 1010, etc.

Acceptable Values for SCEDCOURSE

The complete set of acceptable values is available at: https://www.eride.ri.gov/eRide40/DataDictionary/DisplayCodeSets.aspx?CodeTable=SCED

Acceptable Values for COURSELEVEL

Item Value	Value Name	Definition/Description
AP	Advanced Placement	Advanced Placement
BR	Basic or remedial	Basic or remedial
EA	Enriched or advanced	Enriched or advanced
EEP	Early Enrollment Program	Early Enrollment Program
GR	General or regular	General or regular
H	Honors	Honors
X	No Specified Level	No Specified Level

Acceptable Values for COURSEGPAAPPLICABILITY

Item Value	Value Name	Definition/Description
A	Applicable in GPA	Applicable in GPA
NA	Not Applicable in GPA	Not Applicable in GPA
W	Weighted in GPA	Weighted in GPA

Validations

DISTCODE – This field must be a valid LEA in the RIDE master directory and must also be the district associated with the user that is submitting the data.

SCHCODE – This field must be a valid school in the RIDE master directory and must also be a school within the DISTCODE.

SASID – This field must be a valid student id in the RIDE student master directory. This field is also validated against the enrollment data submission to ensure that the student is enrolled in the school.

LOCALCOURSEID –Each course can only be submitted once. The combination of DISTCODE/SCHCODE/ LOCALCOURSEID must be unique.

GRADESPAN – This field must be 4 characters long. The first 2 characters must be a valid grade which is the low grade. The second 2 characters must also be a valid grade which is the high grade. The low grade must be less than or equal to the high grade and likewise, the high grade must be greater than or equal to the low grade.

COURSELEVEL/GRADESPAN – When GRADESPAN range includes grades 09, 10, 11 or 12, then COURSELEVEL is required.

HSCOURSEREQUIRED/GRADESPAN – When GRADESPAN range includes grades 09, 10, 11 or 12, then *HSCOURSEREQUIRED* is required.
CREDITAVAILABLE/GRADESPAN – When GRADESPAN range includes grades 09, 10, 11 or 12, then *CREDITAVAILABLE* is required.

K12 SECTION – SECTION

Data Elements (Items in red are changes from the previous year's collection)

FieldName	FieldNameLong	FieldType	FieldLength	Required	ElementDescription
DISTCODE	State Assigned District ID	TEXT	2	Y	The identifier assigned to a local education agency (LEA) by the State Education Agency (SEA). Also known as the State ID.
SCHCODE	State Assigned School ID	TEXT	5	Y	State Assigned School Code
LOCALSECTIONID	Locally Assigned Section ID	TEXT	50	Y	The locally assigned code that identifies each class. This code may be used in combination with the Local Course ID to differentiate between individual classes. (Ex: First period Business Math vs. second period Business Math, Language Arts class taught both virtually and in a traditional classroom.)
LOCALCOURSEID	Local Course ID	TEXT	20	Y	The identifier for the course assigned by the local education agency (LEA).
ROOMNUM	Room Number	TEXT	20	O	Identifies where the room is located.
SECTIONNAME	Section Name	TEXT	20	O	The name of the section during the school year in which coursework was completed (e.g., Fall Semester)
SECTIONTYPE	Section Type	TEXT	15	Y	The type of terms the section is broken into (e.g. Full Year, Quarters, Semesters, Trimesters, etc.).
SECTIONSETTINGID	Section Setting ID	TEXT	15	Y	The setting in which the student is receiving instruction. Blank values are defaulted to CLASSROOM.
SECTIONBEGINNINGDATE	Date the Section Begins	DATE		Y	The month, day, and year in which the section begins.
SECTIONENDINGDATE	Date the Section Ends	DATE		Y	The month, day, and year in which the section ends.
~~MINUTESPERMEETING~~	~~Number of Minutes Per Meeting~~	~~NUMBER~~	~~3~~	~~C~~	~~The number of minutes in one meeting day of the cycle.~~
~~MEETINGDAYSINCYCLE~~	~~Number of Meeting Days~~	~~NUMBER~~	~~2~~	~~C~~	~~The number of days (of the total number of days in the cycle) that the section meets.~~
~~TOTALDAYSINCYCLE~~	~~Total Number of Days in Cycle~~	~~NUMBER~~	~~2~~	~~C~~	~~The total number of days in the cycle.~~
INTCSPROGRAMCODE	Integrated Computer Science Program Code	TEXT	20	C	If this class is not a stand-alone computer science course but includes integrated computer science programming, then provide the integrated CS4RI computer science program code.
CS4RIPARTNERCODE	Computer Science For RI Partner	TEXT	20	C	If this class is a standalone computer science class, then provide the CS4RI partner code.

Note(s):
(1) If a section includes more than 1 educator where there is 1 educator that provides instruction to only a group of the students within the section you will need to submit multiple LOCALSECTIONIDs. The LOCALSECTIONIDs may be completely different if generated through the local SIS, or you may be able to create the unique LOCALSECTIONID by appending your teacher ID to the LOCALSECTIONID.
(2) If a section includes more than 1 educator who both provide instruction to all students in the section, then only 1 LOCALSECTIONID should be submitted in the section file. Both teachers can then be reported for the LOCALSECTIONID in the staff file.

Acceptable Values for SECTIONSETTINGID

Item Value	Value Name	Definition/Description
CLASSROOM	Traditional Classroom Setting	In Person (Traditional Classroom Setting)
HYBRID	Contains Both Online Instruction and Classroom Instruction	Hybrid (Contains Some Online Instruction and Classroom Instruction)
ONLINE	Online Instruction Only	Fully Online (Online Instruction Only)

Acceptable Values for SECTIONTYPE

Item Value	Value Name	Definition/Description
YEAR	Full Year	Full Year
SEM	Semesters	Semesters
TRI	Trimesters	Trimesters
QUAR	Quarters	Quarters
QUIN	Quinmesters	Quinmesters
OTHER	Other	Other

Acceptable Values for INTCSPROGRAMCODE

Item Value	Value Name	Definition/Description
CS4RI2101	Code.org - CS Fundamentals	CS4RI - CS Fundamentals integrated into (Math, ELA, Sci, SS, Library, etc.) Instructional units comprised of 12 - 24 lessons integrated across K-5 curriculum in which students learn CS fundamentals by engaging in both online and offline CS activities.
CS4RI2102	Copernicus - Creative Computing with Scratch Jr.	CS4RI - Copernicus - Creative Computing with Scratch Jr. K-2 integrated into (Math, ELA, Sci, SS, Library, etc.) instructional units integrated into existing curriculum in which students use a drag and drop programming language to code, create, and share interactive stories, animations, games, music, and more as they learn problem solving and other fundamental CS concepts.
CS4RI2103	Coding as Another Language Curriculum - Scratch Jr.	CS4RI – Coding as Another Language –Scratch Jr. K-2 Utilizing the Coding as Another Language Curriculum, students learn fundamental CS concepts through 24 lessons that include unplugged activities and the plugged activities with the Scratch Jr. App. Curriculum can be delivered as part of Math, ELA, Sci, SS, STEAM/STEM or Library classes by classroom or special area teacher).
CS4RI2104	PLTW - Launch	CS4RI - PLTW - Launch integrated into (Math, ELA, Sci, SS, Library, etc.) 8 instructional modules totaling 80 hours of content integrated across grades K-5. PLTW's entire K-12 CS experience involves interdisciplinary learning; exposing students not only to computer science, but to various disciplines and subjects, helping them understand how computer science relates to the world around them.
CS4RI2201	Copernicus - Creative Computing with Scratch	CS4RI - Copernicus - Creative Computing with Scratch integrated into (Math, ELA, Sci, SS, Library, etc.) instructional units integrated into existing curriculum in which students use a drag and drop programming language to code, create, and share interactive stories, animations, games, music, and more as they learn problem solving and other fundamental CS concepts.
CS4RI2202	URI - CS Discoveries	CS4RI - Six instructional modules distributed in courses in 6-8th grade. Based on code.org course. Modules include Problem Solving, Internet, Programming, Design, Data, Physical Computing.

CS4RI2203	GameSalad - CS Through Game	CS4RI - CS through game creating integrated into (Math, ELA, Sci, SS, Library, etc.) 9 week or 1 semester course in which students apply CS concepts by building original professional-grade mobile games.
CS4RI2205	PLTW – Gateway Design Modeling	PLTW Gateway integrated unit integrated in grades 6-8; each unit is 45 minutes/45 days of instruction in which students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.
CS4RI2206	PTLW - Gateway Automation and Robotics	PLTW Gateway integrated unit integrated in grades 6-8; each unit is 45 minutes/45 days of instruction in which students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.
CS4RI2207	PTLW - Gateway App Creator	PLTW Gateway integrated unit integrated in grades 6-8; each unit is 45 minutes/45 days of instruction exposing students to computer science by computationally analyzing and developing solutions to authentic problems through mobile app development, and conveying the positive impact of the application of computer science to other disciplines and to society.
CS4RI2208	PTLW - Gateway CS for Innovators and Makers	PLTW Gateway integrated unit integrated in grades 6-8; each unit is 45 minutes/45 days of instruction allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. Students learn about programming for the physical world by blending hardware design and software development. They design and develop a physical computing device, interactive art installation, or wearable, and plan and develop code for microcontrollers that bring their physical designs to life.
CS4RI2302	Bootstrap - Data Science	CS4RI - 20 hour instructional modules integrated in existing course. Bootstrap: Data Science teaches students to view programs as questions we ask of data. Students form their own questions about the world around them, and learn to analyze data critically and carefully to find answers to their own compelling problems.
CS1000	Other - Outside of the CS4RI Matrix Partners	CS1000 for CS curriculum from others outside of the CS4RI Matrix Partners

Acceptable Values for CS4RIPARTNERCODE

Item Value	Value Name	Definition/Description
BOOTSTRAP	Bootstrap	CS4RI Matrix Partner offering CS course content integrated into existing algebra course.
TEALS	TEALS	CS4RI Matrix Partner offering Intro to CS Programming and AP CS A
URI	URI	CS4RI Matrix Partner offering Intro to Computing and Data Science
URICODE	URI / Code.org	CS4RI Matrix Partner offering AP CS Principles
PLTW-G	PLTW Gateway	CS4RI Matrix Partner offering Gateway – Design and Modeling, Automation and Robotics, App Creator, and CS for Innovators and Makers
PLTW-E	PLTW Essentials	CS4RI Matrix Partner offering CS course covering the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems
PLTW-CSP	PLTW Computer Science Principles	CS4RI Matrix Partner offering AP Computer Science Principles
PLTW-CSA	PLTW Computer Science A	CS4RI Matrix Partner offering AP Computer Science A
OTHER	Other	Other CS4RI Partner
URIDISC	URI / Code.org Discoveries	CS4RI Matrix Partner offering Code.org Computer Science Discoveries (Typical Grade Band: Grades 6-9)
CS4RI-WBL	CS4RI Work-Based Learning	CS4RI Matrix Partner, URI, offering project-based learning computer science course

Validations

DISTCODE – This field must be a valid LEA in the RIDE master directory and must also be the district associated with the user that is submitting the data.

SCHCODE – This field must be a valid school in the RIDE master directory and must also be a school within the DISTCODE.

SASID – This field must be a valid student id in the RIDE student master directory. This field is also validated against the enrollment data submission to ensure that the student is enrolled in the school.

LOCALCOURSEID – This must be defined in the K12 SECTION – COURSE submission for the DISTCODE/SCHCODE.

LOCALSECTIONID – Each section can only be submitted once. The combination of DISTCODE/SCHCODE/LOCALSECTIONID must be unique.

SECTIONBEGINNINGDATE – This must be a valid date. It must also be a date greater than or equal to the first day of school and a date less than or equal to the last day of school.

SECTIONENDINGDATE – This must be a valid date. It must also be a date greater than or equal to the first day of school and a date less than or equal to the last day of school.

~~*MINUTESPERMEETING* – This field is required when the grade span (referenced from the COURSE submission by LOCALSECTIONID) includes a grade between 9th and 12th.~~

~~*MEETINGDAYSINCYCLE* – This field is required when the grade span (referenced from the COURSE submission by LOCALSECTIONID) includes a grade between 9th and 12th.~~

~~*TOTALDAYSINCYCLE* – This field is required when the grade span (referenced from the COURSE submission by LOCALSECTIONID) includes a grade between 9th and 12th.~~

CS4RIPARTNERCODE/SCEDCOURSE – When *CS4RIPARTNERCODE* has a value, then the *SCEDCOURSE* must be a computer science SCED codes (ex: 02156, 10012, 10019, 10198, 10021). [Section file linked to Course file using *DISTCODE*, *SCHCODE* and *LOCALCOURSEID*.]

INTCSPROGRAMCODE/CS4RIPARTNERCODE – Only one of INTCSPROGRAMCODE and *CS4RIPARTNERCODE* can have a value. If the course is a standalone computer science course, then CS4RIPARTNERCODE should be provided. If the course is not a computer science course but the course includes an integrated computer science program, then the *INTCSPROGRAMCODE* should be provided.

Data Elements (Items in red are changes from the previous year's collection)

FieldName	FieldNameLong	FieldType	FieldLength	Required	ElementDescription
DISTCODE	State Assigned District ID	TEXT	2	Y	The identifier assigned to a local education agency (LEA) by the State Education Agency (SEA). Also known as the State ID.
SCHCODE	State Assigned School ID	TEXT	5	Y	State Assigned School Code
LOCALSECTIONID	Locally Assigned Section ID	TEXT	50	Y	The locally assigned code that identifies each class. This code may be used in combination with the Local Course ID to differentiate between individual classes. (Ex: First period Business Math vs. second period Business Math, Language Arts class taught both virtually and in a traditional classroom.)
CERTID	Certification ID	TEXT	10	Y	The unique certification ID given to the educator with their RI issued certification.
STAFFLASTNAME	Teacher Last Name	TEXT	50	Y	The full legal name borne in common by members of a family.
STAFFFIRSTNAME	Teacher First Name	TEXT	50	Y	The full legal name given to an individual at birth, baptism, or through legal change.
STAFFMIDDLENAME	Teacher Middle Name	TEXT	50	O	A full legal secondary name given to an individual at birth, baptism, or through legal change.
SECTIONSTARTDATE	Section Start Date	DATE		Y	The month, day, and year in which staff started teaching a course section.
SECTIONENDDATE	Section End Date	DATE		C	The month, day, and year in which staff ended teaching a course section.
STAFFROLEID	Staff Role ID	TEXT	10	Y	The UCOA Job Classification Code used by finance for the educator.
TEACHEROFRECORD	Teacher of Record	TEXT	1	Y	Indicator that this educator is the person who is primarily responsible for the instruction that takes place in this class.

StaffLastName, StaffFirstName and StaffMiddleName are not required to make the link however are necessary for matching/validation/quality assurance.

Acceptable Values for STAFFROLEID

The complete set of acceptable values is available at: https://www.eride.ri.gov/eRide40/DataDictionary/DisplayCodeSets.aspx?CodeTable=JOBCLASS_U

Validations

DISTCODE – This field must be a valid LEA in the RIDE master directory and must also be the district associated with the user that is submitting the data.

SCHCODE – This field must be a valid school in the RIDE master directory and must also be a school within the DISTCODE.

CERTID – This field must be a valid teacher certification id in the RIDE certification directory.

LOCALSECTIONID – This must be defined in the K12 SECTION – SECTION submission for the DISTCODE/SCHCODE.

SECTIONSTARTDATE – This must be a valid date. It must also be a date greater than or equal to the first day of school and a date less than or equal to the last day of school. In addition, the SECTIONSTARTDATE must be a date within the Section's start and end dates (SECTIONBEGINNINGDATE and SECTIONENDINGDATE).

SECTIONENDDATE – This must be a valid date. It must also be a date greater than or equal to the first day of school and a date less than or equal to the last day of school. In addition, the SECTIONENDDATE must be a date within the Section's start and end dates (SECTIONBEGINNINGDATE and SECTIONENDINGDATE).

DISTCODE/ SCHCODE/ CERTID/ LOCALSECTIONID – An educator can only be assigned to a section once per time period.

K12 SECTION – STUDENT

Data Elements (Items in red are changes from the previous year's collection)

FieldName	FieldNameLong	FieldType	FieldLength	Required	ElementDescription
DISTCODE	State Assigned District ID	TEXT	2	Y	The identifier assigned to a local education agency (LEA) by the State Education Agency (SEA). Also known as the State ID.
SCHCODE	State Assigned School ID	TEXT	5	Y	State Assigned School Code
LOCALSECTIONID	Locally Assigned Section ID	TEXT	50	Y	The locally assigned code that identifies each class. This code may be used in combination with the Local Course ID to differentiate between individual classes. (Ex: First period Business Math vs. second period Business Math, Language Arts class taught both virtually and in a traditional classroom.)
SASID	State Assigned Student Identifier	TEXT	10	Y	A 10-digit unique numeric ID assigned to each student in R.I. by the State.
LASID	Locally Assigned Student Identifier	TEXT	16	Y	Unique student ID assigned by LEA or school
LASTNAME	Student Last Name	TEXT	50	Y	Student Last Name
SECTIONENTRYDATE	Date Enrolled in Course Section	DATE		Y	The month, day, and year in which a student enrolled into a course section.
SECTIONEXITDATE	Date Exited Course Section	DATE		C	The month, day, and year in which a student exited a course section.

LastName is not required to make the link however is necessary for matching/validation/quality assurance.

Validations

DISTCODE – This field must be a valid LEA in the RIDE master directory and must also be the district associated with the user that is submitting the data.

SCHCODE – This field must be a valid school in the RIDE master directory and must also be a school within the DISTCODE.

SASID – This field must be a valid student id in the RIDE student master directory. This field is also validated against the enrollment data submission to ensure that the student is enrolled in the school.

LOCALSECTIONID – This must be defined in the K12 SECTION – SECTION submission for the DISTCODE/SCHCODE.

SECTIONENTRYDATE – This must be a valid date. It must also be a date greater than or equal to the first day of school and a date less than or equal to the last day of school. In addition, the SECTIONENTRYDATE must be a date within the Section's start and end dates (SECTIONBEGINNINGDATE and SECTIONENDINGDATE).

SECTIONEXITDATE – This must be a valid date. It must also be a date greater than or equal to the first day of school and a date less than or equal to the last day of school. In addition, the SECTIONEXITDATE must be a date within the Section's start and end dates (SECTIONBEGINNINGDATE and SECTIONENDINGDATE).