CEDS Connect

Connection Title: Math and reading proficiency in grade 3: Percentage of students in grade 3 who meet grade-level standards in reading/English language arts and math as measured by state standardized tests

Selected Descriptors:
Educational Levels, Degrees, and Organizations->Elementary Education
Educational Levels, Degrees, and Organizations->Grade 3
Mathematics->Mathematics
Reading->Reading
Social Processes and Structures->Standards
Education-to-Workforce (E-W) Indicator Framework ->EQ8: Reading and math benchmarks for grades 3 and 8
Education-to-Workforce (E-W) Indicator Framework ->EQ9: Contributions to academic growth

Author: Education-to-Workforce Framework Collaborators Group

Location: More Than One State

Source for CEDS Connection Information: Education-to-Workforce Indicator Framework (https://educationtoworkforce.org/)

Description of CEDS Connection:

This Connection identifies the CEDS elements needed to measure the percentage of students in grade 3 who meet grade-level standards in reading/English language arts and math as measured by state standardized tests and includes the recommended analysis criteria. This Connection supports the Education-to-Workforce Indicator Framework.

Go Further with this Connection
You can use this Connection with your own data system. Click on the myConnect logo to apply the elements from your shared map to this Connection.

▸ Data Elements

Metric

CEDS Elements:	Elements Not Currently in CEDS:
A. Assessments -> Assessment -> Assessment Identification System	
B. Assessments -> Assessment -> Assessment Identifier	
C. Assessments -> Assessment -> Assessment Purpose	
D. Assessments -> Assessment Administration -> Assessment Administration Finish Date	
E. Assessments -> Assessment Administration -> Assessment Administration Start Date	
F. Assessments -> Assessment Result -> Assessment Result Score Value	
G. Assessments -> Assessment Result -> Assessment Score Metric Type	
H. Assessments -> Assessment Subtest -> Assessment Academic Subject	
I. K12 -> Calendar -> Session -> School Year	
J. K12 -> Calendar -> Session -> Session Begin Date	
K. K12 -> Course Section -> Session End Date	
L. K12 -> K12 School -> Identification -> School Identification System	
M. K12 -> K12 School -> Identification -> School Identifier	
N. K12 -> K12 Student -> Enrollment -> Enrollment Entry Date	
O. K12 -> K12 Student -> Enrollment -> Enrollment Exit Date	
P. K12 -> K12 Student -> Enrollment -> Entry Grade Level	
Q. K12 -> K12 Student -> Identity -> Student Identification System	
R. K12 -> K12 Student -> Identity -> Student Identifier	
S. K12 -> LEA -> Identification -> Local Education Agency Identification System	
T. K12 -> LEA -> Identification -> Local Education Agency Identifier	
U. K12 -> SEA -> Identification -> State Agency Identification System	
V. K12 -> SEA -> Identification -> State Agency Identifier	

Disaggregates

CEDS Elements:	Elements Not Currently in CEDS:
A. Adult Education -> AE Student -> Status -> Low-income Status	
B. K12 -> K12 School -> Directory -> Administrative Funding Control	
C. K12 -> K12 School -> Directory -> School Type	
D. K12 -> K12 Student -> Demographic -> Birthdate	
E. K12 -> K12 Student -> Demographic -> Hispanic or Latino Ethnicity	
F. K12 -> K12 Student -> Demographic -> Military Connected Student Indicator	
G. K12 -> K12 Student -> Demographic -> Race	
H. K12 -> K12 Student -> Demographic -> Rural Residency Status	
I. K12 -> K12 Student -> Demographic -> Sex	
J. K12 -> K12 Student -> Disability -> Disability Status	
K. K12 -> K12 Student -> Disability -> IDEA Indicator	
L. K12 -> K12 Student -> Disability -> Primary Disability Type	
M. K12 -> K12 Student -> Disability -> Section 504 Status	
N. K12 -> K12 Student -> Discipline -> Disciplinary Action Taken	
O. K12 -> K12 Student -> Economically Disadvantaged -> Eligibility Status for School Food Service Programs	
P. K12 -> K12 Student -> English Learner -> English Learner Status	
Q. K12 -> K12 Student -> English Learner -> Program Participation Exit Date	
R. K12 -> K12 Student -> English Learner -> Program Participation Start Date	

S. K12 -> K12 Student -> Homeless -> Homeless Serviced
Indicator
T. K12 -> K12 Student -> Homeless -> Homelessness Status
U. K12 -> K12 Student -> Homeless -> Status End Date
V. K12 -> K12 Student -> Homeless -> Status Start Date
W. K12 -> K12 Student -> IDEA -> Program Participation Exit
Date
X. K12 -> K12 Student -> IDEA -> Program Participation Start
Date
Y. K12 -> K12 Student -> Individualized Program -> IDEA
Disability Type
Z. K12 -> K12 Student -> Individualized Program -> Student
Support Service Type
AA. K12 -> K12 Student -> Language -> ISO 639-3 Language
Code
AB. K12 -> K12 Student -> Migrant -> Migrant Status
AC. K12 -> K12 Student -> Migrant -> Program Participation Exit
Date
AD. K12 -> K12 Student -> Migrant -> Program Participation Start
Date
AE. K12 -> K12 Student -> Program -> Program Participation
Exit Date
AF. K12 -> K12 Student -> Program -> Program Participation
Start Date
AG. K12 -> K12 Student -> Program -> Program Participation
Status
AH. K12 -> K12 Student -> Program -> Program Type
AI. K12 -> Parent/Guardian -> Education -> Highest Level of
Education Completed

Analysis Recommendations

General Connection Information

CEDS elements are shown in **_bold/italicized_** font.

This metric is part of the Education-to-Workforce (E-W) Indicator Framework, specifically "Outcomes and milestones" which pertain to key outcomes and milestones along the E-W continuum that are strongly associated with individuals achieving economic mobility and security.

This metric is a measurement for a key indicator "Math and reading proficiency in grade 3" and measures whether students in grade 3 have demonstrated proficiency in math and reading/English language arts according to high-quality state standards.

Calculating a Response

Use the following CEDS elements to determine the school year:
- **_School Year_** = most recent school year, representing July 1 through June 30

to determine the universe of students:

Pull all unique students which is determined by using a unique **_Student Identifier_** where **_Student Identification System_** = _State_

Where the student:
- is associated with a State Education Agency through the **_State Agency Identifier_** where **_State Agency Identification System_** = _SEA_
- is associated with a Local Education Agency through the **_Local Education Agency Identifier_** where **_Local Education Agency Identification System_** = _SEA_
- is associated with a K12 school through the **_School Identifier_** where **_School Identification System_** = _SEA_

From the universe of students, narrow the list to 3rd graders using the following CEDS elements.
- **_Entry Grade Level_** = 03, and
- **_Enrollment Entry Date_** is ≥ July 1 of the school being reported, and
- **_Enrollment Exit Date_** is ≤ June 30 of the school year being reported

Identify which students meet grade level standards in Math:

Filter records where
- **_Assessment Academic Subject_** = 01166 (Mathematics)
- **_Assessment Identifier_** = the ID for the standardized state assessment and
- **_Assessment Identification System_** = State-assigned number
- **_Assessment Score Metric Type_** = Proficiency Level
- **_Assessment Administration Start Date_** = July 1 of the school year in which the data are being measured
- **_Assessment Administration Finish Date_**≤ June 30 of the school year in which the data are being measured
- **_Assessment Purpose_** = State Accountability
- **_Assessment Result Score Value_** is not null

Identify which students meet grade level standards in reading/English language arts:

Filter records where
- **_Assessment Academic Subject_** = 13372 (English) or 00560 (Reading) or 13373 (Reading/Language Arts)
- **_Assessment Identifier_** = the ID for the standardized state assessment, and
- **_Assessment Identification System_** = State-assigned number
- **_Assessment Score Metric Type_** = Proficiency Level
- **_Assessment Administration Start Date_** = July 1 of the school year being reported
- **_Assessment Administration Finish Date_** =June 30 of the school year being reported
- **_Assessment Purpose_** = State Accountability
- **_Assessment Result Score Value_** is not null

To calculate the percentage of students in grade 3 who meet grade level standards:
- Count the number of students who met the grade level standard in Math
- Count the total number of students assessed
- Divide the number of students who met the grade level standard in Math by those assessed and mutiply by 100.

Repeat for reading/English Language Arts.

Disaggregate by Home Language

Use the following CEDS elements to disaggregate the final set of students by Home Language:
- **_Language Type_** = Home Language; and
- **_ISO 639-3 Language Code_** ≠ Eng; and/or
- **_English Learner Status_** = Yes

Disaggregate by Homelessness

Use the following CEDS elements to disaggregate the final set of students by Homelessness:
- **_Homelessness Status_** = Yes
- **_Homeless Serviced Indicator_** = Yes
- **_Status Start Date_** ≤ the school year being reported
- **_Status End Date_** ≥ the school year being reported

Disaggregate by Race and Ethnicity

Use the following CEDS elements to disaggregate the final set of students by Race:

Filter records where *Hispanic or Latino Ethnicity* = No.
Count, by race, where any of the following are true:
- *Race* = American Indian or Alaska Native
- *Race* = Asian
- *Race* = Black or African American
- *Race* = Native Hawaiian or Other Pacific Islander
- *Race* = White
- *Race* = Demographic Race Two or More Races
- *Race* = Race and Ethnicity Unknown

Use the following CEDS elements to disaggregate the final set of students by Hispanic or Latino Ethnicity:
- Filter records where *Hispanic or Latino Ethnicity* = Yes

Disaggregate by Sex

Note: CEDS does not have a Gender element. While Sex is not a proxy for Gender it is the closest approximation currently available.
Note: Male + Female will not always equal 100% for states that have more choices beyond male and female.

Use the following CEDS elements to disaggregate the final set of students by Sex:
- *Sex* = Male, Female, or Not Selected

Disaggregate by Disability Status

Use the following CEDS elements to disaggregate the final set of students by Disability Status:

Students with a Disability
- *Disability Status* = Yes; and/or
- *Status Start Date* ≤ the school year being reported
- *Status End Date* ≥ the school year being reported
- *IDEA Indicator* = Yes; and/or
- *Section 504 Status* = Yes

Count, by disability type, where any of the following are true:
- *IDEA Disability Type* = Autism
- *IDEA Disability Type* = Deaf-blindness
- *IDEA Disability Type* = Deafness
- *IDEA Disability Type* = Developmental delay
- *IDEA Disability Type* = Emotional disturbance
- *IDEA Disability Type* = Hearing impairment
- *IDEA Disability Type* = Intellectual disability
- *IDEA Disability Type* = Multiple disabilities
- *IDEA Disability Type* = Orthopedic impairment
- *IDEA Disability Type* = Other health impairment
- *IDEA Disability Type* = Specific learning disability
- *IDEA Disability Type* = Traumatic brain injury
- *IDEA Disability Type* = Visual impairment

Filter records based on *Primary Disability Type* when *IDEA Indicator* = Yes
- *Program Participation Start Date* ≤ the school year being reported
- *Program Participation Exit Date* ≥ the school year being reported

Students without a Disability
- *Disability Status* = No; and
- *Primary Disability Type* is null; and
- *IDEA Indicator* = No; and
- *Section 504 Status* = No
Count the number of students with a disability and the number of students without a disability.

Disaggregate by Urbanicity

Use the following CEDS element to disaggregate the final set of students by Urbancity:
- *Rural Residency Status* = Yes (indicating Rural) or No (indicating Urban)

Disaggregate by Parental Education Level

Use the following CEDS element to disaggregate the final set of students by Parental Education Level:
- *Highest Level of Education Completed* = Determine what the highest level of education completed is for the parents/guardians of the student

Disaggregate by Migrant Family Household

Use the following CEDS elements to disaggregate the final set of students by Migrant Family Household:
- *Migrant Status* = Yes, No
- *Program Participation Start Date* ≤ the school year being reported
- *Program Participation Exit Date* ≥ the school year being reported

Disaggregate by English Learner

Use the following CEDS elements to disaggregate the final set of students by English Learner:
- *English Learner Status* = Yes, No
- *Program Participation Start Date* ≤ the school year being reported
- *Program Participation Exit Date* ≥ the school year being reported

Disaggregate by School Type

Use the following CEDS elements to disaggregate the final set of students by School Type:
- *Charter School Type* = School Charter or College University or NA; and
- *School Type* = Regular, Special, Career and Technical, Alternative or Reportable
- *Administrative Funding Control* = Public School, Private School, or Other
- *Organization Type* = K12 School, Education Institution

Disaggregate by Age Group

Use the following CEDS element to disaggregate the final set of students by Age Group:
- *Birthdate =* Age as of October 1 of the school year being reported

Disaggregate by Individuals or Family Military Status

Use the following CEDS element to disaggregate the final set of students by Individuals or Family Military Status:
- *Military Connected Student Indicator* = Not Military, Active Duty, National Guard or Reserve, or Unknown

Disaggregate by Income Leve

Use the following CEDS elements to disaggregate the final set of students by Income Level:
- *Eligibility Status for School Food Service Programs* = Free, Full price, Reduced price, Other
- *Low-income Status* = Yes, or No

Disaggregate by Justice Involvement

Use the following CEDS elements to disaggregate the final set of students by Justice Involvement:
- *Disciplinary Action Taken* = Juvenile Justice Referral, Law enforcement referral, or Placed in juvenile detention center
- *Disciplinary Action Start Date* ≤ the school year being reported
- *Disciplinary Action End Date* ≥ the school year being reported

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▸ **Related Connections**

No related connections

▸ **Related References**

A. Title: Education-to-Workforce Indicator Framework; Source: Education-to-Workforce Indicator Framework (see https://educationtoworkforce.org/)

Author's Comments/Additional Information

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Average Overall Rating:

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