Career & Technical Education Dashboard

Summary

Career & Technical Education (CTE) prepares Montana K-12 students for a wide range of careers and post-secondary education programs. The CTE Dashboard gives overview and insight to historical student count and graduation/dropout rates for students enrolled in CTE programs. These counts and rates can be more closely examined by school year or school location including county, district, and school. Overall counts can be filtered by race/ethnicity, and proficiency levels for ACT math and ELA. Further, particular CTE areas of concentration are presented by student count, dropout rate, graduation rate, and gender breakdown. Data is masked at counts of 10 students or less.

Central Navigation and Knowledge

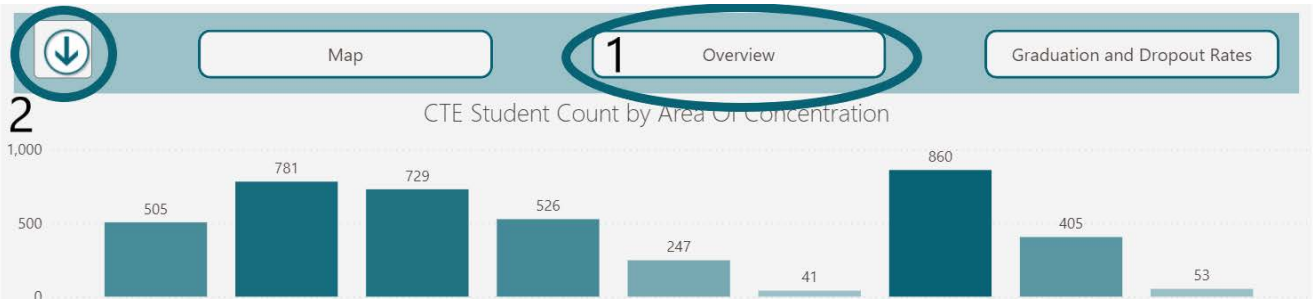
	Page Contents	Page Navigation
Map Button	-visualizations displaying the selected year, CTE student count, and the CTE graduation rate for the selected year -interactive map organizes student counts of CTE enrollment for the selected year by school location -bar chart with the change in count of CTE enrolled students overtime	-slicer menu options: filter by year, county/district/school, federal race/ethnicity -hovering over the map will populate a Tool Tip with school name and count
Overview Button	-bar chart displaying CTE student enrollment count by area of concentration for the selected year -bar chart displaying CTE student enrollment count by area of concentration and by gender for the selected year	-slicer menu options: filter by year, county/district/school, federal race/ethnicity
Graduation/ Dropout Button	-bar chart comparing non-CTE to CTE dropout rate -bar chart comparing non-CTE to CTE graduation rate -table displaying student count, dropout rate, and graduation rate by area of concentration for the selected year -bar chart displaying CTE student count by ELA proficiency level for the selected year's ACT test -bar chart displaying CTE student count by Math proficiency level for the selected year's ACT test	-slicer menu options: year range, county/district/school, federal race/ethnicity, gender -hovering over any of the visualizations provide the option to view in focus mode, and the bar charts' data can also be viewed as a table by selecting 'show as table' from the more options icon: ...

Where to Start

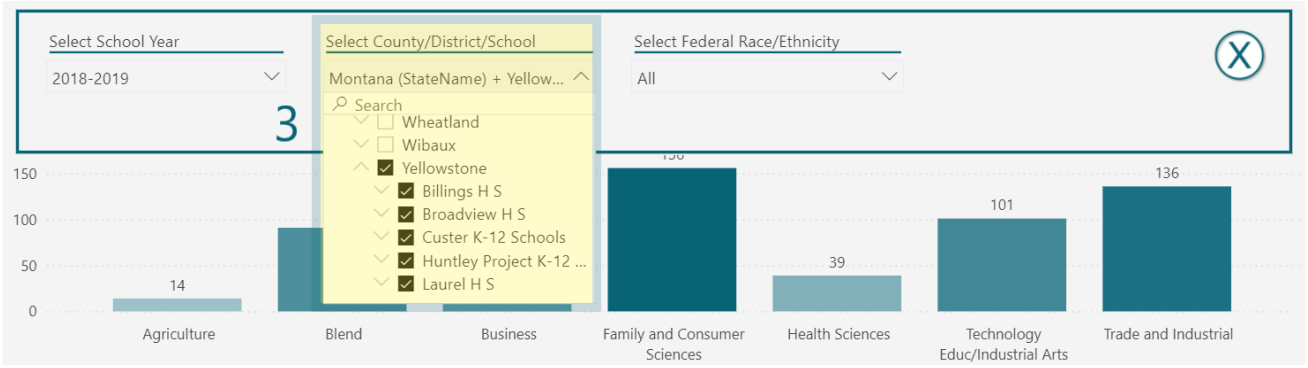
Below you will find two guided walk-throughs for accessing specific data to answer a question. These tutorials are provided based on frequently requested data or commonly asked questions on how to view a district or school's participation in CTE areas of concentration by gender for a selected year.

To view a participation in CTE concentration areas by gender:

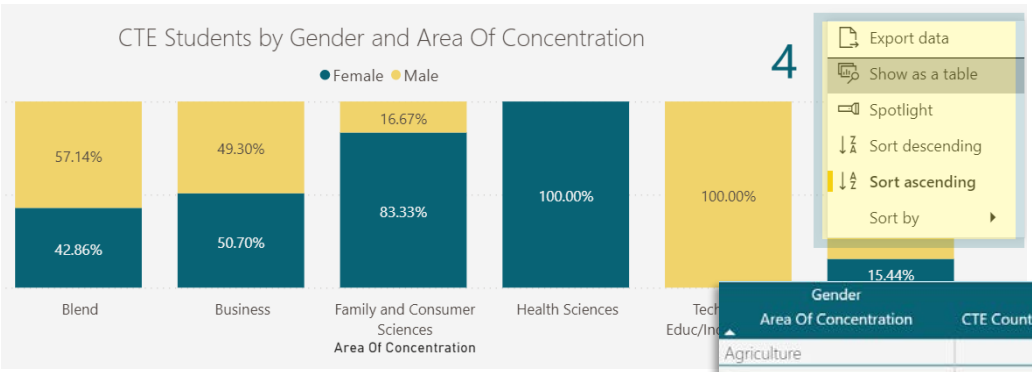
Begin by selecting the Overview button (1) and then the menu slicer (2) in order to select the district(s) or school(s) of interest.



Then, using the dropdown menu for selecting county, district, or school, check the location(s) of choice (3). If there is a specific school you are looking for but you don't know the county or district it is in, use the 'search' bar within the dropdown menu to lookup a specific school.



The second bar chart on the page displays the proportion of students enrolled in CTE areas of concentration by male and female. While hovering over the chart, select the ellipsis icon in the top right-hand corner and click 'show as table.



When N/A is displayed, there is no data reported for the selection. An "*" indicates that the count of students is 10 or less and has been masked.

Gender	Female		Male	
Area Of Concentration	CTE Count Masked	School Year	CTE Count Masked	School Year
Agriculture	*	2018-2019	*	2018-2019
Blend	39	2018-2019	52	2018-2019
Business	36	2018-2019	35	2018-2019
Family and Consumer Sciences	130	2018-2019	26	2018-2019
Health Sciences	32	2018-2019	*	2018-2019
Technology Educ/Industrial Arts	*	2018-2019	92	2018-2019
Trade and Industrial	21	2018-2019	115	2018-2019

Tips and Tricks

- The Map page is interactive. Hovering over a data point on the map will populate with additional information called a Tool Tip. Selecting the data point will filter the page by that location. You can zoom in (+) and out (-) on either by scrolling or using the icons in the top right corner.
- On the Overview page, selecting a column header in the enrollment count table will reorganize the table by that column. Selecting again will return the table organization to its prior format.
- Depending on the number of districts selected, the tables can be dense to read. Selecting *focus mode* will enlarge the table for easier analyzing. To select focus mode, hover over the table. In the top right corner, two icons will appear. Select the first icon.