https://bit.ly/ 43CEWF3

DESMANIA.COM

Arvada West's WQM CTE Pathway

Chris Madsen

- Began 7 years ago
- Consists of two concurrent enrollment courses with Red Rocks Community College (RCCC)
 - Environmental Systems: Water
 - Students receive RRCC credit for the Introduction to Water Quality (WQM 1000) and Basic Water Quality Analyses (WQM1019) courses
 - 1000 Competencies
 - 1019 Competencies
 - Advanced studies in Water Quality
 - Students receive RRCC credit for <u>Bio/Bacteriological Quality</u> <u>Analyses (WQM 2016) and ST: Water Industry Professional</u> <u>Exploration (WQM 1075)</u>
 - 2016 Competencies

Working with Industry

- Advisory Board
 - Includes members of Denver Water, Metro Water Recovery, City of Arvada Water Quality Department, North Table Mountain Water and Consolidated Mutual Water Company
- Industry Lead Projects
 - o Data Analysis
 - Lead & Copper Rule Graphics
 - o <u>Tour Presentation</u>
 - Don't Flush Flush Wipes Social Media Materials
 - Train Bill Social Media Materials



Working with Industry Success Stories Current Candidates: Downstream Development Program (Job Shadowing Program) Students shadow 3 different locations with industry 0 partners in the fall 57 Shadows 342 hours of work-based learning for the students Students then pick their favorite shadow location and complete another 3-4 shadows in that location in spring ~80 Shadows ~500 hours of work-based learning for the students

IDESMANIA.COM



Working with Industry Success Stories

- Advisory board member Ceila Rethamel is a board of Colorado Certified Water Professionals (CCWP)
 - During one of the advisory board meetings the topic of students earning their D certificates (water and wastewater) came up
 - At the time the requirements required an applicant to have at high school diploma or GED
 - Disqualified my students from sitting for the certification
 - I spoke to the board about this issue and they amended Regulation No. 100 so students could sit for the exam