

# JACKIE WEBER

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[www.jwcedconsult.org](http://www.jwcedconsult.org)

## COMPUTER SCIENCE CONSULTANT

**JWC Curriculum & Instruction Consultants, Inc.**

2018-present -- CEO and Lead Consultant

**President of the Colorado Computer Science Leaders** (2017-present)

**Hiring Committee, Colorado Department of Education**  
**Computer Science Coordinator** (July 2023)

**Program development consultant, Computer Science Academy, Carnegie Mellon University** (July 2023)

**Widefield School District, Colorado Springs, Colorado**  
April 2018-present

Program Consultant (Program management, professional training, curriculum development) for Computer Science Integration K-8 School, Grand Mountain School, the first school in the nation to fully integrate computer science into every content area in every grade level.

**Clear Creek School District, Idaho Springs, Colorado**

November 2022-present

Consult & facilitate Computer Science K-12 Strategic Planning task force.

**Boston Museum of Science, Engineering is Elementary Program**

February-April 2022

Curriculum writer responsible for the first four lessons of the EiE [Computer Science for Kindergarten curriculum](#).

**Roaring Fork School District, Carbondale, Colorado**

November 2021-March 2022

Consult & facilitate Computer Science K-12 Strategic Planning task force. Computer Science pathway plan for grades 6-12 and accompanying [visual graphic](#).

**mindSpark Learning, Lakewood, Colorado**

October 2018-May 2021

Computer Science Specialist worked directly with school district leadership to coordinate grant applications, professional learning, and PK-12 Computer Science Programs.

**University of Colorado Department of Education, Boulder, Colorado**

January 2020 -December 2020

University Student Teacher Supervisor supporting pre-service teachers in their final field experience in Mathematics, Science, or Engineering.

## SCHOOL LEADERSHIP POSITIONS AND RESULTS

**Director of Mathematics, Computer Science & Instructional Materials, Boulder Valley School District, Boulder, Colorado**

November 2010– June 2019

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## *Computer Science*

- Created and implemented a coherent K-12 vision for Computer Science across all 58 schools.
- Managed the use of a \$120,000 grant from Google to expand professional learning for teachers.

## *Mathematics*

- Developed and implemented a yearly professional development plan for 850 teachers, focusing on best practices in instruction and assessment based on current research.
- Increased mathematics performance scores on standardized assessments 5% overall; 9% for students with Meal Assistance and 11% for students with English Language Learners in a district of over 31,000 students.
- Created systematic processes for acceleration in mathematics across the district.
- Lead editor on creating curriculum essential documents for thirty-two Mathematics courses.
- Developed and implemented the materials adoption process for mathematics core instructional materials for K-12

## *Instructional Materials Adoption*

- Created new materials adoption policy and process to allow for transparency and consistency of selection and approval of materials.
- Guided and consulted on the adoption processes future adoptions.

## *Instructional Leadership*

- *Implemented an adapted model of Elmore's Instructional Rounds across elementary, middle, and high schools in the BVSD.*

## **Assistant Principal/Acting Principal, Emily Griffith High School, Denver Public Schools, Denver, Colorado**

July 2009—October 2010

- Led staff of a drop-out recovery high school through a School Improvement Planning process to set strategic goals.
- Increased the student attendance rate from 65.5% to 70%.
- Increased achievement data in mathematics by 2%, reading by 13%, and writing by 7%.
- Increased Program completion rates increased by 11%.
- Developed and implemented specific evaluation processes and professional training for teachers based on strategic planning and classroom observation.

## **Assistant Principal, Littleton High School, Littleton Public Schools, Littleton, Colorado**

July 2005 – June 2009

- *Increased 4-year completion amongst at-risk students from 54% in 2005 to 84% in 2008.*
- *Used fiscal management and priority setting to take a \$400,000 budget that was \$40,000 in debt and turn it into a budget with \$60,000 in reserves.*
- *Coordinated the Master Schedule for a comprehensive IB /CTE/Co-Curricular High School of 1500+ students and 100+ teachers.*
- *Coordinated and reported all assessment, attendance, and behavior data, noting positive trends and supporting the school improvement process with reliable target goals.*
- *Oversaw all student co-curricular and extra-curricular activities. Increased the number of students actively involved in student activities by 33%.*

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## EDUCATION

**Doctor of Education Degree (Ed.D.) in STEM Education** - In Progress, est. 2025 – G.P.A. \*\*4.0  
University of South Carolina, Columbia, South Carolina

**Master of Education Degree (M.Ed.) in Educational Administration—K12 Leadership, Minor:  
Multicultural Curriculum** 2001 G.P.A. \*\*4.0 Summa Cum Laude Kent State University, Kent,  
Ohio

**Bachelor of Science Degree (B.S.) Secondary Education —Mathematics; Minor: History** 1997 G.P.A.  
\*\*3.83 Summa Cum Laude Wright State University, Dayton, Ohio

## TEACHING EXPERIENCE

**Mathematics, Littleton High School, Littleton Public Schools, Littleton, Colorado** August  
2003-June 2009

**Mathematics & World History, Green High School, Green Local Schools, Green, Ohio** August  
2000 – June 2003

**Mathematics & Yearbook, Fairless High School, Fairless Local Schools, Brewster, Ohio** June  
1997 – June 2000

## PUBLICATIONS

Contributing writer. Engineering is Elementary “Computer Science for Kindergarten.” (2022)  
Boston Museum of Science, Boston, Ma.

Weber, J. (2013) “Making Peace - Strategic Planning for a Smooth Adoption of Mathematics  
Instructional Materials.” Colorado Mathematics Teacher. Fall 2013 pp.20-22.

Coordinating Editor. Boulder Valley Curriculum Essential Documents for Mathematics, Grades K-12,  
published for use in Boulder Valley School District, Boulder, Colorado and Al-Bayan Bilingual  
School / Fawzia Sultan International School, Kuwait.

Weber, J., Chandler, S., Marchetti, C., Nilsen, A., Summers, A., Race, K. (2004) *Trigonometry In  
Action: Math for the Real World. 1<sup>st</sup>-3<sup>rd</sup> Editions.* Littleton Public Schools: Littleton, CO.

Article Reviewer. National Council of Supervisors of Mathematics. October 2013.

Weber, J. (2020) *The Golden Rule Is For Sissies & Other Lies They Told You About Loving Others.*  
Kindle Direct Publishing. Seattle, Wa.

Weber, J. (2017) *You’ll Go Blind & Other Lies They Told You About Loving Yourself.* Kindle Direct  
Publishing. Seattle, Wa.

## CONFERENCE PRESENTATIONS

*Upgrade Mathematics Learning with Computer Science.* National Council of Teachers of Mathematics  
NCTM 2023 Virtual Conference. March 30, 2023.

*Strategic Planning for a K-12 Computer Science Program.* South Carolina Ed Tech Conference (SCED  
Tech). Myrtle Beach, S.C. October 2022.

*A Vision of the Future - Mathematics Paired with Computer Science in K-6 Learning.* National Council of  
Teachers of Mathematics (NCTM) Annual Meeting & Exposition. Los Angeles, CA. September  
2022.

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*Building a Little League Team for your High School CTE Computer Science Program.* South Carolina Education + Business Summit. Greenville, SC. June 2022.

*To Use and To Create: Where Digital Literacy and Computer Science Meet.* SCED Tech Conference. Myrtle Beach, S.C. October 2021.

*Brightening Futures with Integrated Computer Science.* SCED Tech Conference. Myrtle Beach, S.C. October 2021.

*Advancing Computer Science in Rural Schools.* CSforAll Commitments Conference. Virtual. June 2021.

*Crawl, Walk, Then Run to Computer Science.* Rock CS! 2019 Conference Presentation. June 2019 + Innovate Education Colorado (InnEdCo). June 2019.

*Strategic Planning for a Smooth Adoption of Instructional Materials.* Colorado Association of Schools Executives 2015 Convention Presentation. Keystone, CO. July 2015.

*Improving Mathematics Instruction District-wide.* Colorado Association of Schools Executives 2013 Convention. Keystone, CO. July 2013 + Colorado Council of Teachers of Mathematics 2013, Conference. Denver, CO. September 2013.

## AFFILIATIONS

*National Council of Teachers of Mathematics (NCTM)*

*Computer Science Teachers Association (CSTA)*

*Colorado Computer Science Leaders (CCSL)*

*Association of Supervision and Curriculum Development (ASCD)*

*CSforAll Commitment Maker (2019, 2020, 2021, 2022, 2023)*

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## REFERENCES

- Kevin Duren, Superintendent, Widefield School District, Colorado Springs, CO. (W): 719.391.3020, (C): 719.235.6863, (E): [durenk@wsd3.org](mailto:durenk@wsd3.org)
- Becky Dancer, Director of Teaching and Learning, Clear Creek School District, Evergreen, Colorado. (W): 303.567.3859, (C): 303.522.0046, (E): [becky.dancer@ccsdre1.org](mailto:becky.dancer@ccsdre1.org)
- Ben Bohmfalk, Instructional Facilitator, Roaring Fork School District, Carbondale, Colorado. (W): 970.384.9400, (C): 970.319.4332, (E): [bbohmfalk@rfschools.com](mailto:bbohmfalk@rfschools.com)
- Dr. Samantha Messier, Director of The Department of Standards and Instructional Support, Colorado State Department of Education, Denver, Colorado. (W): 720.376.2781 (C): 303.819.2337 (E): [messier\\_s@cde.state.co.us](mailto:messier_s@cde.state.co.us)
- Dr. Ron Cabrera, Assistant Superintendent for Instructional Services and Equity (retired), Boulder Valley School District, Boulder, Colorado. (C): 970.744.8293 (E): [ron.g.cabrera@gmail.com](mailto:ron.g.cabrera@gmail.com)
- Dr. Ellen Miller-Brown, Chief Academic Officer (retired), Boulder Valley School District, Boulder, Colorado. (C:) 303.263.6415 (E): [ellenmboo@gmail.com](mailto:ellenmboo@gmail.com)
- Dr. Robbyn Fernandez, Assistant Superintendent of Elementary Education, Boulder Valley School District, Boulder, Colorado. (W): 720.561.8000 (C): 303.717.3102 (E): [robbyn.fernandez@bvsd.org](mailto:robbyn.fernandez@bvsd.org)
- Dr. Odette Edbrooke, Social Studies Teacher, Broomfield High School, Boulder Valley School District. (C) 201.841.0661 (E) [odette.edbrooke@bvsd.org](mailto:odette.edbrooke@bvsd.org)
- John McCluskey, Principal, New Vista High School, Boulder Valley School District. (C): 720.253.7951 (E): [john.mccluskey@bvsd.org](mailto:john.mccluskey@bvsd.org)
- Will Crookston, Program Director (retired), Denver Public Schools (W): 303.868.2116 (C): 720.394.9128 (E): [wcrookston@me.com](mailto:wcrookston@me.com)
- Katherine Dinmore, Principal (retired), Littleton High School, Littleton Public Schools. (C): 303-909-1114 (E): [kathydinmore@comcast.net](mailto:kathydinmore@comcast.net)