

# JACKIE WEBER



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## COMPUTER SCIENCE CONSULTANT

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

2018-present -- CEO and Lead Consultant

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

**Widefield School District, Colorado Springs, Colorado**

April 2018-present

Program Consultant (Program management, professional training, curriculum development) for Grand Mountain School Computer Science Integration K-8 School, the first school in the nation to fully integrate computer science into every content area in every grade level. Facilitated the awarding of the 2023 CS100 Award to this school by CS is Elementary and CSforAll.

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

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

**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.

## SCHOOL LEADERSHIP POSITIONS AND RESULTS

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

November 2010– June 2019

*Computer Science*

- Created and implemented a coherent K-12 vision for Computer Science across all 58 schools.

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- 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.

## **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.

## **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.

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- Oversaw all student co-curricular and extra-curricular activities. Increased the number of students actively involved in student activities by 33%.

**Associate Instructor – Mathematics for Elementary Teachers, Arapahoe Community College, Littleton, Colorado**

August 2007- December 2008

## 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.

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*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.

*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)