

Clayton Dagler

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Education / Credentials

2017 University of California, Davis

CTE Teaching Credential - Information and Communication Technologies

2002 California State University, Sacramento

Single Subject Teaching Credential in Mathematics with a CLAD Emphasis

1999 University of California, Davis

Bachelor of Science in Mathematics

Experience

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| <i>1999- Present</i> | Mathematics Teacher | Luther Burbank High School 3500 Florin Rd, Sacramento, CA 95823 |
| <i>2008 - Present</i> | Small Learning Community Lead Teacher | Luther Burbank High School 3500 Florin Rd, Sacramento, CA 95823 |
| <i>2012 - Present</i> | Computer Science and Robotics Teacher | Luther Burbank High School 3500 Florin Rd, Sacramento, CA 95823 |
| <i>2012 - Present</i> | UC Davis C-STEM CREST, Robotics Fellow and Master Teacher | UC Davis Center for Integrated Computing and STEM Education One Shields Avenue, Davis, CA 95616 |
| <i>2004 - 2006</i> | Beginning Teacher Support Provider | Sacramento City Unified School District 5735 4 th Avenue, Sacramento, CA 95823 |
| <i>2002 - 2005</i> | Mathematics Department Chair | Luther Burbank High School 3500 Florin Rd, Sacramento, CA 95823 |

Awards and Honors

- ◇ 2016 TEACH California's Distinguished Teachers – Teach California
- ◇ 2013 C-STEM Teacher of the Year - UC Davis Center for Integrated Computing and STEM Education
- ◇ 2007 Teacher of the Year - Sacramento City Unified School District

Professional Development

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| <i>2010 - Present</i> | California Mathematics Council | “North Conference” |
| <i>2010 - Present</i> | CSU Sacramento Mathematics Project | “Saturday Meetings” |
| <i>2011 - 2012</i> | Sacramento Mathematics Project | “Coaching Cadre Training” |

Publications

- ◇ "Using Cloze in Algebra." *ComMuniCator*, Dec. 2013, pp. 11-16.
- ◇ "Possible Permutations of Carbon-Carbon Distance in Annulen Molecules." *McNair Scholars Journal*, Spring 1998.

Presentations and Workshops

"Using Programing and Robots to Engage Students in Mathematics on a Raspberry Pi "

January 2017 Yolo County Office of Education C-STEM+ Meeting

"The Bisection Method"

November 2016 Bridging the Gap: Promoting Equity Through C-STEM

"Computer Programming and Robotics at Luther Burbank High School"

May 2016 Emerging Technologies 2016 - Smarter Government Through Innovation

"Integrating Computing and Robotics in Mathematics, Science & CTE to close the Achievement Gap & Preparing Students for Career and College"

April 2015 Los Angeles County Office of Education

February 2015 San Diego County Office of Education

"Clozes In Mathematics"

February 2015 Sacramento Area Math Educators Conference

"Robotics Activities and Computer Programming for Solving Applied Problems"

July 2014 C-STEM Center - University of California Davis

"Leading Students to Discover how to Reduce Square Roots - A look at the SMP"

February 2014 Sacramento Area Math Educators Conference

December 2014 California Mathematics Council, North Conference

"Make and Breaks in the Algebra Classroom."

January 2013 Sacramento Area Math Educators Conference

December 2013 California Mathematics Council, North Conference

"Turning Worksheets into Engaging Puzzles"

March 2012 Sacramento Area Math Educators Conference

December 2012 California Mathematics Council, North Conference

"Using Flow Charts in the Math Classroom"

March 2011 Sacramento Area Math Educators Conference

December 2011 California Mathematics Council, North Conference

"Turning Problems into Puzzles Using Simple Graphic Organizers"

March 2010 Sacramento Area Math Educators Conference

December 2010 California Mathematics Council, North Conference