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| **Profile:** | My work experience lies at the intersection of STEM inquiry and language acquisition. I serve as a senior instructor of Culturally and Linguistically Diverse Education for CU Denver’s School of Education & Human Development, where I support pre-service teacher training, school district partnerships, professional development, and grant implementation. |
| **EXPERIENCE:**  POSITIONS HELD | SENIOR INSTRUCTOR, INSTRUCTOR, UNIVERSITY OF COLORADO DENVER  *Denver, Colorado 2016- present*  I teach endorsement classes for both graduate and undergraduate students in culturally and linguistically diverse education (CLDE). I worked to design our new undergraduate CLDE endorsement program. I coach and evaluate pre-service teachers, preK-12.I also coordinate research efforts in Denver for the ICMEE/eCALLMS grant, supporting linguistically responsive teaching through online professional learning communities.    SITE PROFESSOR, LECTURER, UNIVERSITY OF COLORADO DENVER  *Denver, Colorado 2012- 2015*  I mentored teacher candidates at North Middle School (Aurora Public Schools) and taught classes in the undergraduate licensure program. As a part of the eCALLMS design team, I create e-workshops for language learning through science content.    CONSULTANT, COLORADO EDUCATION INITIATIVE  *Denver, Colorado 2014-2015*  I worked as an external consultant for the Colorado Education Initiative as a part of the STEP Project, involving the use of video coaching in pre-service teacher prep.    TEACHER EVALUATOR, UTAH STATE UNIVERSITY  *Salt Lake City Branch Campus, Salt Lake City, Utah 2009-2012*  I mentored and evaluated new teachers (1-5 per semester), primarily alternative route to licensure candidates at the Salt Lake City Branch Campus.    SCIENCE AND ELD TEACHER, THORNTON HIGH SCHOOL  *Adams12 School District, Thornton, Colorado 2004-2006*  I taught biology, physical science, and International Baccalaureate Chemistry, as well as a sheltered physical science class (ELD) for emerging bilingual students.    SCIENCE TEACHER, DEPARTMENT CHAIR, Y.E.S.S./ARTEC SCHOOL  *Granite School District Y.E.S.S. Program, Kearns, UT 1997-2004*  I taught 3rd-12th grade science in an alternative school for youth struggling with mental illness or behavioral problems. I served as the department chair for the Y.E.S.S. Program for three years, increasing communication and leading professional development among science teachers at six different schools. I wrote and received a grants (Toyota Tapestry and EPA mini-grants) to start an environmental science program focused on local issues.  SCIENCE TEACHER, YAZOO CITY HIGH SCHOOL  *Yazoo City School District, Yazoo City, MS 1995-1997*  I took what I thought would be a two-year break before graduate school to teach in a high-poverty school, where I taught Chemistry, Anatomy and Physiology, and Physics. The "two year break" turned into my career. |
| **EDUCATION:** | UNIVERSITY OF UTAH  Salt Lake City, Utah — M.A. in Linguistics with an emphasis in bilingual education, 2004  University of Mississippi  Oxford, Mississippi — M.A. in Secondary Education, with an emphasis in science, 1997    Dartmouth College  Hanover, New Hampshire — B.A. in Environmental and Evolutionary Biology, Summa Cum Laude, 1995 |
| **EXPERIENCe:**  Partnerships & Leadership with School Districts | FRONT RANGE ELD DIRECTORS  I co-facilitate regular meetings (2-3x/semester) of ELD directors from school districts around the Front Range, organizing and inviting speakers and facilitating information sharing to improve teaching and learning for emerging bilingual students.  PARTNERSHIP, WESTMINTER PUBLIC SCHOOLS  I led the CU Denver side of our partnership with WPS to respond to a department of justice settlement with a coherent professional development plan. We continue to be involved in the research around program effectiveness.  PARTNERSHIP, ST. VRAIN PUBLIC SCHOOLS  I am currently leading the CU Denver side of a partnership to offer both professional development and graduate credit in the North Metro area, in partnership with St. Vrain public schools. |
| **EXPERIENCe:**  GRANT WRITING & Administration | INTERNATIONAL CONSORTIUM FOR MULTILINGUAL EXCELLENCE IN  EDUCATION (ICMEE)  I contributed to the grant writing for this NPD grant. Through this grant funding, I oversee and promote the use of the free professional development resources and collaborate with a team of researchers to examine program effectiveness. |
| **Experience:**  STATE POLICY | ELL WORKING GROUP  Through a series of meetings (summer 2017) organized by the Colorado Department of Education (Colleen O’Neil), we worked to draft standards for the ELL professional development requirements and initial license requirements. |
| **EXPERIENCe:** Curriculum anD Professional DEvelopment | PROFESSIONAL DEVELOPMENT DESIGN AND RESEARCH  I was part of the development team for the eCALLMS grant (e-Learning  Communities for Academic Language Learning in Mathematics and Science)  from 2013 to 2016, designing, testing, and researching professional development around linguistically responsive teaching in science. I was the lead author on two workshops: Organizing the Secondary Science Classroom for Multilingual Success, grades 6-12 (2016) and Writing in Science, grade 3-8 (2016).    CURRICULUM DESIGN, ELEMENTARY SCIENCE AND ELD  As a consultant for Boston P-8 (Aurora Public Schools), I worked to design ELD instructional blocks focused around science and engineering activity (2017-18)  CURRICULUM DESIGN, UNDERGRADUATE AND GRADUATE PROGRAMS  I’ve worked to design CU Denver’s new undergraduate CLDE endorsement program as well as several new courses, including   * CLDE 3830: Culturally and Linguistically Responsive Teaching through STEM. A unique CLDE methods and assessment class focusing on science, technology, engineering, and math teaching. * CLDE 5827 and 5828: Unique graduate-level courses designed to build on professional development offered through school district partners (through e-workshops). |
| **SerVICE:** | CU DENVER, SEHD DIVERSITY COMMITTEE Jan., 2018- Present  As part of this committee of faculty and staff at the School of Education and Human Development, I have worked to designing workshops and professional development for university faculty and staff to address issues of race, gender, identity and privilege in our workplace and in our classrooms.  HIGHER EDUCATORS IN LINGUISTICALLY DIVERSE EDUCATION (HELDE)  I have been a part of this collaboration between higher education partners for the past three years, working to craft professional development in response to new requirements. |
| **Publications** | Viesca, K. M., Mahon, E., Carson, C. D. & The eCALLMS Team (2017). Online professional learning for science teachers of multilingual learners. In A. W. Oliveira and M. H. Weinburgh (Eds), *Science teacher preparation in content-based second language acquisition* (pp. 117-135). Springer.    Miller, E. K., Carson, C.D., Friedland, A.J., and Blum, J.D. 1995. *Chemical and isotopic tracers of snowmelt flowpaths in a subalpine watershed,* Biogeochemistry of Seasonally Snow-Covered Catchment. IAHS Publ. no. 228. |
| **SELECTED Presentations** | Kim, J., Viesca, K. M., Carson, C., Gray, T., & Schmidt, T. (Accepted, for 2019,  April). Learning to be linguistically relevant teachers through online professional development modules. Paper to be presented at the annual meeting of the American Educational Research Association (AERA), Toronto, Canada.  Carson, C., Vigil, P., & the CABE Board (Panel organizers). (2019, February). *Improving Practice or Facilitating Compliance: Responses to Colorado’s new CLDE PD Requirements.* Colorado Association for Bilingual Education (CABE) annual conference. Boulder, CO.  Carson, C. (2018, February). *Professional Learning Communities for Linguistically Responsive Science*. Presentation at the Colorado Science Conference for Professional Development, Colorado Association of Science Teachers (CAST). Denver, CO  Carson, C. Chaparro, S. (2018, November). *Academic English in relation to Race, Class and Language.* Presentation at the Colorado TESOL fall Conference. Aurora, CO.  Carson, C. Looper, H. Millen, J. (2018, February). *Promoting Linguistically Responsive Teaching through Professional Learning Communities.* Presentation/Hands-on Workshop, Colorado Association for Bilingual Education (CABE). Denver, CO  Viesca, K. Carson, C. Leider, C. (2017, November). *International Consortium for Multilingual Excellence in Education.* Invited poster. National Professional Development (NPD) 2017 Project Directors Meeting. Washington, DC.  Carson, C. (2016, November). *Science Writing Goals for Bilinguals.* Presentation/Hands-on workshop at the Colorado Science Conference for Professional Development, Colorado Association of Science Teachers (CAST). Denver, CO.  Carson, C., Barnes-Johnson, J. (2016, July). *Engaging ELLs Through STEM Activity*. Workshop presented at the 5th Annual STEM Forum & Expo (NSTA). Denver, CO.  Carson, C. & Barnes-Johnson, J. (2015, October) *Opportunities and Challenges for Bilingual Students in the Science Classroom: Improving Practice Through Online Professional Development Communities*. Presentation at the Reno Area Conference of the National Science Teachers Association (NSTA).Reno, NV. |
| **Selected Awards**  **and**  **GRANTS** | The Colorado Association for Bilingual Education granted our program, Culturally and Linguistically Diverse Education (CLDE) at CU Denver, the CABE Board Award for our work incorporating the CLDE endorsement as an integral part of students’ BA coursework for elementary teacher education majors, giving our teacher candidates receive a critical foundation in understanding learning and development in multilingual settings.  Carson, C. (2018) Center for Faculty Development, Teaching Enhancement Grant: Dialogue across distance: Improving teacher preparation for and through classroom discourse. Funded: $3000.  Viesca, K. (PI). Senior Personnel: Joan Barnatt, Chris Carson, Nancy Commins, Kelly Demers, Timo Ehmke, Margaret J. Freedson, Renée Greenfield, Svenja Hammer, Bryn Harris, Kim Hutchison, Joy Johnson, Nicole Joseph, Jung-In Kim, Nancy Leech, Amy Liebermann, Christine Montecillo Leider, Sharolyn Pollard-Durodola, Kathryn Strom, and Annela Teemant. (2016). International Consortium for Multilingual Excellence in Education. Department of Education Office of English Language Acquisition National Professional Development Program. Funded: $2.74 million.  Carson, C., Poza, L., Sager, N., Mahon, E., Hogan, T. (2016) Diversity and Excellence Grant. *Classroom to Community: Furthering Culturally and Linguistically Responsive Teaching among Novice Teachers and Teacher Residency Students.* University of Colorado. Funded: $3000.  Carson, C., Hazlett, M. (2000). *Salt Lake 2020: Youth-at-Risk Planning for a Healthy Ecosystem.* Toyota Tapestry Grant Program for Teachers. Funded $10,000. |