

Michael David Viney

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Education

Colorado State University (CSU) 1987

B.S. Biology with Distinction, Phi Beta Kappa, Phi Kappa Phi,
Minor Botany

University of Phoenix 1998

M.A. Ed Diverse Learner

Teaching Experience

- 2016-Present CSU College of Health and Human Services School of Education
 Instructor
 EDUC 660: Advanced Methods Science and Math
 Instruction
- 1998-2017 Blevins Full Time
 Science Instructor and Science Department Chair
 Pre-AP 8, Science 8, M2 Math, Biology, ICPE
 Second Step, and Science Olympiad course
- 1995-1997 Poudre School District Science (PSD) Coordinator K-12
 Aligned science curriculum with Colorado State Standards
 Managed district science budget & facilitated professional
 development
- 1994-1995 Ft. Collins High (half-time CSU TIR & half-time PSD Teacher)
 Science Instructor
 Developed & taught DNA Science course at FCIS
- 1987-1995 Leshner Junior High Full Time
 Science Instructor
 Biology, Intro to Chemistry & Physics, Earth Science,
 Physical Science, Health, developed & taught Integrated
 ICP/Algebra

Enrichment Programs

SciTrek: Summer Program for Future Scientists

Teacher-in-Residence 2007-Present

CSU College of Natural Sciences [Education and Outreach Center](#)

Michael David Viney

Science Fair

Leshar 1991-1993

Blevins 2004 to present

Wasson Inventors Fair

Mentor 2012 to present

Science Olympiad

Leshar head coach 1990-1994

Blevins assistant coach 1998-present

Preston STEM Summer Institute

Science Instructor 2010-2013

Veterinary Science, City Creek Chronicles (Stream Ecology)

Dig It: Fossils and the History of Life

Curriculum Design and Professional Development

College of Natural Sciences Education and Outreach Center CSU

GetWET Observatory at CSU 2006-2007

Help design and facilitate the Ground Water Institute for Teachers (GetWET).

Center for Science, Mathematics, and Technology Education (CSMATE) CSU

CLTWest at CSU 2002-2006

Professional Development Science Instructor at Center for Learning & Teaching in the West (CLTWest). CLTWest EMELI team member.

EMELI Team Member 1997-2000

Northern Colorado Equity in Mathematics Education Leadership Institute (EMELI) 6 team Completed 6-week training at UC, Santa Barbra.

National Alliance for Secondary Science (NAS) Professional Development Program

PSD High School Hub Coordinator 1997-2000 (Sponsors: HP & WestEd)

Facilitated development of grades 7-10 standards-driven science curriculum

Designed & facilitated two-week summer institutes for secondary science teachers along with six school year follow up meetings.

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RMTEC Teacher-in-Residence, CSU at CSMATE 1997-1998

Taught Integrated Science Methods & helped with undergraduate Physics, Mineralogy, & Paleontology courses through the Rocky Mountain Teacher Education Collaborative.

MINDS Summer Science Director CSU at CSMATE 1995-1997

Developed, organized, & taught a four-week Small-Scale Science Institute to Denver middle schoolteachers for the Minority Initiative in Denver Public Schools (MINDS).

CSMATE Teacher-in-Residence, CSU 1994-1995

Facilitated teacher workshops & small-scale chemistry publicity film
Developed small-scale biology activities

Center for Life Sciences at CSU

Howard Hughes Medical Institute Grant 1994-1995, 1999-2002

Science Instructor

BC 589: Current Trends in the Molecular Biosciences—this course was designed to prepare teachers for their placement in biomedical research labs.

Awards and Fellowships

Blevins Honor Teacher (Recognized Quarterly) 1998, 2002, 2006, 2010, & 2017

Rotary Teacher of the Month Ft. Collins 2005

Colorado Awards; Education & Civic Achievement: The Distinguished Teacher Award 1994

American Society for Cell Biology Fellowship Recipient 1994

Continued research on p53 gene

Presented findings at NABT in St. Louis

Howard Hughes Medical Grant 1993

Conducted research at CSU on the tumor suppressor gene p53

Biological Education Grant was used to start a biotechnology course in PSD

Sigma XI (CSU) Outstanding Science Teacher of the Year 1992

MESA Honor Teacher 1988 & 1990

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Publications, Videos & Web Design

Viney, M., Mustoe, G., Dillhoff, T., and Paul Link (2017). The Bruneau Woodpile: A Miocene Phosphatized Fossil Wood Locality in Southwestern Idaho, USA. *Geosciences* 7(82): DOI: 10.3390/geosciences7030082

Mustoe, G. and Mike Viney (2017). Mineralogy of Paleocene Petrified Wood from Cherokee Ranch Fossil Forest, Central Colorado, USA. *Geosciences*, 7(2): 23. DOI:10.3390/geosciences7020023.

Viney, M. and Kate Neff (2017). Patagonia's Jurassic-Aged Conifer Cones: Keys to a Botanic and Geologic Past. *Rocks and Minerals*, 92(2), 172-179.

Viney, M. (2016). Appeal to American Apple Parers: Historical Perspectives on Orchards and Yankee Ingenuity. *The Midwest Quarterly*, 58(1), 9-27.

Viney, M., Dietrich, D., Mustoe, G., Link, P., Lampke T., Götze, J., and Rößler, R. (2016). Multi-Stage Silicification of Pliocene Wood: Re-Examination of an 1895 Discovery from Idaho, USA. *Geosciences*, 6(2), 1-21. DOI:10.3390/geosciences6020021

Viney, M., Mills, J., and Link, P. (2016). Opalized wood from Clover Creek, Gooding County, Idaho: Museum Mineral Specimens Led to the Rediscovery of an 1897 Fossil Dig. *Rocks and Minerals*, 91(3), 258-268. DOI:10.1080/00357529.2016.1138429

Dietrich, D., Viney, M., and Lampke, T. (2015). Petrifications and Wood-Templated Ceramics: Comparisons between Natural and Artificial Silicification. *IAWA Journal*, 36(2), 167-185. DOI: 10.1163/22941932-00000094

Viney, M. (2007). Epistemology and the Nature of Science: A Classroom Strategy. *The American Biology Teacher*, 69(9), 525-530. DOI: 10.2307/4452222

Annenberg Learner (2015). 7 Writing in Science. Reading and Writing in the Disciplines. Accessed 5/1/2015: <http://www.learner.org/courses/readwrite/science/writing-science/11.html>

The Innovation Exchange: Transforming Educator Preparation (2015). Spotlight Series 2: Building Partnerships. Coteaching Trios: Colorado State University. Accessed 3/7/2016: <http://theinnovationexchange.net/research-to-practice-spotlight-series/>

The Virtual Apple Parer Museum: <http://appleparermuseum.com>

The Virtual Petrified Wood Museum: <http://petrifiedwoodmuseum.org>