

## Michael David Viney

*Blevins Middle School ♦ 2101 S. Taft Hill Road  
Ft. Collins, CO. 80526 ♦ Email: mviney@psdschools.org*

### 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-Present 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 FCHS

1987-1995 Lesher 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**

Leshler 1991-1993

Blevins 2004 to present

### **Wasson Inventors Fair**

Mentor 2012 to present

### **Science Olympiad**

Leshler 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.

## **Michael David Viney**

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

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

## Michael David Viney

### Publications, Videos & Web Design

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>