

Maria C. Grant
 Assistant Professor
 College of Education
 California State University, Fullerton
 Fullerton, CA 92834

Highest degree earned: Doctorate in Education

Area(s) of expertise: Literacy integration into the content area (secondary), formative assessment and science education

Courses you typically teach: EDSC 330: Developing Literacy Secondary; EDSC 535: Survey of Educational Research; EDSC 594: Project Seminar; EDSC 440 S General Pedagogy of Secondary School Teaching; EDSC 440F Supervised Fieldwork in Secondary Schools

Number of years K-12 teaching: 19 years

Experiences in school (K-12) settings in the last five years:

Semester	Role/Responsibility
Fall 2005-present	Conducted all school professional development workshops for administrators and faculty working to integrate literacy and common formative assessment into their curriculums-Health Sciences High School and Middle College, Hoover High School, Waianae High School, Kaliheo High School, and Waipahu High School (in both California and Hawaii).
Fall 2005 – Summer 2006	Was a BTSA Support Provider for two teachers at Hoover HS, worked in professional development in San Diego and Anaheim schools to support content area teachers as they learn to integration literacy strategies into the curriculum- ran several workshops and breakout sessions; taught courses with credential students and teachers earning Master’s degrees.
Fall 2002 - Spring 2005	Taught physics at Hoover HS, worked in professional development to support teacher integration of literacy strategies, supported student teachers as a Master/ Guide teacher, was a BTSA Support Provider for two teachers at Hoover HS
Fall 2001 – Spring 2002	Taught high school physics, oceanography, and coordinated science at Monte Vista HS; sponsored the Asian-Pacific Islanders club on campus

Education

Ed.D., University of San Diego/San Diego State University Joint Doctoral Program, 2005
 Education
 Dissertation: Enhancing Motivation Using the Constructs of Flow in Museum Education Activities

M.A., San Diego State University, 1998
 Curriculum and Instruction

B.A., University of California Santa Barbara, 1984
 Geological Sciences

Professional Experience

Assistant Professor, Department of Secondary Education, 2005 - present
College of Education
CSU Fullerton

High School Science Teacher, 2002- 2005
Hoover High School, City Heights, CA

High School Science Teacher, 1993- 2002
Monte Vista High School, Spring Valley, CA

High School Science Teacher, 1985- 1993
U.S. Grant High School, Van Nuys, CA

Credentials

Single Subject Clear Credential, Physical Sciences 1985

Faculty and Administrative Load

Fall 2008	EDSC 330	Developing Literacy Secondary	(3)
Fall 2008	EDSC 440S	General Pedagogy of Secondary School Teaching	(4)
Fall 2008	EDSC 440F	Supervised Fieldwork in Secondary Schools	(2)
Summer 2008	EDSC 542S	Advanced Methods of Teaching Middle School Science	(3)
Spring 2008	EDSC	MAST Grant-recruitment of science teacher candidates	(3)
Spring 2008	EDSC 440S	General Pedagogy of Secondary School Teaching	(4)
Spring 2008	EDSC 440F	Supervised Fieldwork in Secondary Schools	(2)
Fall 2007	EDSC	MAST Grant-recruitment of science teacher candidates	(3)
Fall 2007	EDSC 440S	General Pedagogy of Secondary School Teaching	(4)
Fall 2007	EDSC 440F	Supervised Fieldwork in Secondary Schools	(2)
Summer 2007	EDSC 330WEB	Developing Literacy Secondary	(3)
Summer 2007	EDSC 542S	Advanced Methods of Teaching Middle School Science	(3)
Spring 2007	EDSC 330	Developing Literacy Secondary	(3)
Spring 2007	EDSC 330WEB	Developing Literacy Secondary	(3)
Spring 2007	EDSC 594/594	Project Seminar	(3)
Fall 2006	EDSC 330	Developing Literacy Secondary	(3)
Fall 2006	EDSC 330	Developing Literacy Secondary	(3)
Fall 2006	EDSC 330	Developing Literacy Secondary	(3)
Spring 2006	EDSC 330	Developing Literacy Secondary	(3)
Spring 2006	EDSC 330 WEB	Developing Literacy Secondary Online	(3)
Fall 2005	EDSC 535	Survey of Educational Research	(3)
Fall 2005	EDSC 330	Developing Literacy Secondary	(3)
Fall 2005	EDSC 594	Project Seminar	(3)

Scholarly and Creative Activity

Books:

Grant, M., & Fisher, D. (in press). *Reading, writing, and thinking like a scientist*. Thousand Oaks, CA: Corwin Press.

Journal Articles:

Refereed journal articles

Grant, M., Fisher, D., & Frey, N. (in review). Science is > Strategies. *The Clearinghouse*.

Lapp, D., Fisher, D., & Grant, M. (2008). "You can read this text--I'll show you how": Interactive comprehension instruction. *Journal of Adolescent & Adult Literacy*, 51, 372-382.

Fisher, D., Grant, M., Frey, N., & Johnson, C. (Dec 2007/Jan 2008). Taking formative assessment schoolwide. *Educational Leadership*, 65(4), 64-69.

Ellis, M., Grant, M., Haniford, L. (2007). Reframing Problems in Secondary Education: Alternative Perspectives, New Insights, and Possibilities for Action. *The High School Journal*, 91(1), 1-5

Grant, M. (2007). Writing in Science: Scaffolding Skills for Science Students. *California Reader*, 41(1), 4-10.

Fisher, D., Lapp, D., & Grant, M. (2007). What's it take to talk, read, and write like a scientist? *Journal of Content Area Reading*. 6(1), 45-63.

Grant, M. (2005). Have you considered using trade books to enhance science learning? *The California Reader*, 39(2), 64-68.

Grant, M., & Fisher, D. (2005). What a girl does for love: Using books to address relationship violence." *SIGNAL Journal*, 28(1), 28-32.

Editing Positions

Guest editor for *The High School Journal* (in press), Fall 2007.

Book chapters

Grant, M. (in press). Comprehension connections to science. In K. Ganske & D. Fisher (Eds.), *A Comprehensive Look at Reading Comprehension K-12*. New York: Guilford Press.

Grant, M. (in press). Reading a science experiment: Deciphering the language of scientists. In D. Lapp, & B. Moss (Eds.), *Teaching the Texts Children Need to Succeed on High Stakes Tests and in the Classroom*. New York: Guilford Press.

Grant, M., Cantell, P., & Lapp, D. (in press). Designing science/literacy lessons with accommodations for English learners. In C. Brock, D. Lapp, R. Salas, & D. Townsend (Eds.), *Learning to converse, conversing to learn: Instruction that helps English language learners develop academic language proficiency*. TC Press: New York.

Fisher, D., Frey, N., & Grant, M. (in press). A diploma that matters: Schoolwide efforts to improve high school teaching and learning. In S. R. Parris, D. Fisher, & K. Headley (Eds.), *Adolescent literacy: Research-based best practices*. Newark, DE: International Reading Association.

Fisher, D. & Grant, M. (2008). Understanding Yourself Through Literature: Lessons From Adolescents. In C. S. Rhodes, L. B. Wolf, & J. Darvin (Eds.), *From contemplation to Action: Promoting Social Justice Through Children's Literature*. East Rockaway, NY: Cummings & Hathaway Publishers.

Pumpian, I., Grant, M., & Wachowiak, S. (2006). Perspectives on learning—Creating optimal conditions for learning. In I. Pumpian, D. Fisher, & S. Wachowiak (Eds.), *Challenging the classroom standard through museum-based education: School in the park* (pp. 15-28). Mahwak, NJ: Erlbaum.

Grant, M., & Berg, M. (2003). Information literacy integration in a doctoral program. In D. Shinew & S. Walter (Eds.), *Information literacy instruction for educators: Professional knowledge for an information age* (pp. 115-128). Binghamton NY: The Haworth Information Press.

Peer reviewed presentations at international and national conferences

Grant, M., & Rothenberg, C. (2008, May). *Supporting English learners across the content areas: Using language and literacy to implement standards-based curricula*. Presented at the International Reading Association conference, Atlanta, Georgia.

Grant, M., & Rothenberg, C. (2008, May). Oral Language: Building Academic Discourse for English Language Learners. Presented at the International Reading Association conference, Atlanta, Georgia.

ElWardi, R., Grant, M., Johnson, C., & Mongrue, L. (2007, May). *Planning for Schoolwide Professional Development: Focusing on Essential Literacy Components in Urban Secondary Schools*. Microworkshop presented at International Reading Association conference, Toronto, Canada.

Grant, M., Rothenberg, C., & Schell, E. (2007, May). *Integrating Language, Literacy, and Content: Helping English Language Learners Meet the Standards*. Session presented at International Reading Association conference, Toronto, Canada.

Ellis, M., Grant, M., Jasis, R., & Kirtman, L. (2007, April). *Growing and Nurturing a Diverse CSUF Faculty*. Session presented at Keeping Our Faculties of Color IV conference, University of Minnesota.

Grant, M. (2005, March). *Connecting literacy and science: Reciprocal reading of science texts*. Preconference session presented at International Reading Association conference, San Antonio, Texas.

Peer reviewed presentations at state and regional conferences

Frey, N., Grant, M., Goodwin, J. (2008, Feb). *Moves that Matter*. PEAK Conference on Inclusive Education: Designing Classrooms for Success!

Grant, M. (2006, November), *Literacy Integration for Science Classes (k-12)*. Session presented at the California Reading Association conference, Sacramento, CA.

Grant, M. (2002, March). *Integrating information literacy into a doctoral program*, Session presented at the LOEX conference, Eastern Michigan University, Michigan.

Invited presentations

- Grant, M. (2008). *Supporting English Learners in Science*. Presentation for Anaheim Union High School District. Supported by Collaborating for Excellence in Middle School Science, Collaborating for Excellence in Middle School Science CaMSP Grant.
- Fisher, D. & Grant, M. (2008, Feb). *Keynote Address at Assessment Conference: Checking for Understanding*. UC Irvine Conference.
- Grant, M. (2007, Oct). *Promoting Reflective Practice Through Professional Development: The Connection to Common Formative Assessment*. Invited Presentation. The Center for the Advancement of Reading Conference. Los Angeles, CA.
- Grant, (2007, May). *Common Formative Assessment Training*, Invited presentation for all faculty at Waipahu School in Hawaii.
- Grant, ElWardi, R., Johnson, C., Mongrue, L. (2007, February). *Item Writing for Common Formative Assessment* Invited presentation for all faculty at Waianae High School in Hawaii.
- Grant, M., ElWardi, R., Johnson, C., Mongrue, L. (2007, March) *Common Formative Assessment Training*, Invited presentation for all faculty at Waianae High School in Hawaii.
- ElWardi, R., Grant, M., Fisher, D., & Bonine, S. (2006, March). *Literacy strategies for English language learners*, Invited presentation for science faculty of the Anaheim Union High School District, Anaheim, CA.
- Grant, M., & Fisher, D. (2006, March). *Focusing on reciprocal teaching*, Invited presentation for faculty at Hoover High School, City Heights, CA.
- Grant, M. (2006, January). *Success strategies for a block schedule*, Invited presentation for faculty at Monrovia High School, Monrovia, CA.
- Grant, M. (2005, Summer). *Creating notemaking guides for science books*, Invited presentation for science faculty of the Anaheim Union High School District, Anaheim, CA.
- ElWardi, R., Fisher, D., Grant, M., Johnson, C., & Mongrue, L. (2005, Fall). *Literacy strategies for small learning communities*, Invited presentation for Northwestern United States faculty and administration, Portland, Oregon.
- ElWardi, R., Fisher, D., Grant, M., Johnson, C., & Mongrue, L. (2005, Fall). *Integrating literacy into the curriculum*, Invited presentation for New York state faculty and administration, Albany, New York.
- Grant, M., & Fisher, D. (2005, Fall). *Integrating literacy into the science content area*, Invited presentation for science faculty of the Anaheim Union High School District, Anaheim, CA.

Funded grants

- Grant, M. (2008). Reading Institute for Academic Preparation (RIAP), funded by the CSU Chancellor's Office. \$21,250.
- Partnership with CSUF, Orange County Department of Education, Chapman University, and 7 Orange County School Districts- Leadership Team Member and Presenter. Collaborating for Excellence in Middle School Science (CEMSS), CaMSP Grant - California Math and Science Partnership 2007-2011.

Cox-Peterson, A., Grant, M., Kisiel, J., Ross, D. (2007-2008). CSU/ISI Collaborative for Professional Development for Educators. Funded by Boeing Corporation, \$35, 000.

Grant, M., & Ellis, M. (2007-2008). Help with English Language Proficiency through Science (HELP Science), funded by a Motorola Foundation Grant. \$50,000.

Ellis, M., Grant, M., Jasis, R., & Kirtman, L. (2007, April). Growing and Nurturing a Diverse CSUF Faculty. Mission and Goals Grant, funded by CSUF.

Downing, C., & Grant, M. (1996). Supporting curriculum for a community built self-sustaining pond, TAAP grant.

Grant, M. (1989). Studying crassalacean acid metabolism on St. John, National Science Foundation grant.

Service

Professional

Media Awards Committee Member for the International Reading Association, 2007-present.

Professional Development Presentations, (2007- present). Health Science High School and Middle College, San Diego, CA.

Reviewer, Content Reader for McGraw-Hill, Science Division, 2007-2008.

Reviewer, SRA Science Lab Product, McGraw-Hill, Science Division, Summer 2007.

Reviewer, *Science Education* Journal, article review, Spring 2006.

Consultant, Backyard Bugs, content evaluation for science software for Kindermagic, 2005-2006.

CoAST (Consortium for the Advancement of Science Teachers) Board Member, 2005- 2006.

BTSA Support Provider, 2003- 2007.

Glencoe Science Texts Advisory Board Member, 2005

University

Campus Facilities and Beautification Committee (2007-present) Chair, (2006-2007) member.

RACE (Researchers and Critical Educators) Member and Historian, 2005- present.

Committee to Review Driving on Campus (Spring, 2008).

ULO (Untenured Faculty and Full-time Lecturers Organization, Executive committee, 2006-2007.

College

Council of Representatives (2006- present). Member.

Science Teacher Recruitment (2007). Meeting and Presentation with AVID Coordinator and AVID tutors, OCDE.

Interviewee for The Cal State Fullerton Collaborative To Recruit And Prepare Math And Science Teachers, (2007, May). interview conducted by Sheila Tobias.

Struggling Readers Presentation to Professional Development District Externs (2006, August & January).

SECTEP Secondary Education Cooperative Teacher Education Program (2007- present). member.
Graduate Committee (2005-2007). Member.

Grant, M. (2007, Oct). *Teaching Science*. Future Teachers Field Trip Program.

Faculty Search in Secondary Education, Curriculum and Instruction (2006). Subcommittee member.

Graduate Committee, Secondary Education, 2005- 2007.

Honors and Awards

1998 Kappa Phi membership in honors society

Professional Associations and Development

California Science Teachers Association

ASCD Association for Supervision and Curriculum Development

IRA International Reading Association

SRA- Reviewer for Science Instructional Program

Glencoe writer literacy strategies, 2005-2006

Curriculum development for Kindermagic Science Software, 2004-2005