

CURRICULUM VITAE – Dr. Daniel Murphy

STEM Division, Eastfield College
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Education

Texas A&M University, College Station, TX 2010
Ph.D. in Oceanography

University of California, Santa Barbara, CA 2006
M.S. in Marine Science

Hawaii Pacific University 2002
B.S. Magna Cum Laude Honors in Marine Biology

Teaching Experience

Full-Time Faculty, Eastfield College August 2016 – Present

- Taught *Earth Science I* (GEOL 1401), *Physical Geology* (GEOL 1403), *Historical Geology* (GEOL 1404), and *Oceanography* (GEOL 1445)

Visiting Scholar, Eastfield College August 2014 – July 2016

- Taught *Earth Science I* (GEOL 1401), *Earth Science II* (GEOL 1402), and *Historical Geology* (GEOL 1404)

Adjunct Lecturer, Blinn College August 2010 – June 2011

- Taught *Physical Geology* (GEOL 1403)

Teaching Assistant, Texas A&M University January 2007 – May 2007

- Taught *Introduction to Oceanography Lab*

Curriculum Development, UC Santa Barbara May 2005 – September 2005

- Wrote new lab manual for *Age of Dinosaurs*

Teaching Assistant, UC Santa Barbara January 2004 – December 2004

- Taught *Age of Dinosaurs* (twice), *Antarctica*, *History of Life Labs*

Substitute Teacher, Round Rock ISD, Round Rock, TX November 2003 – June 2003

- High School Grades 9-12

Essay Evaluator, NCS Pearson/Texas Education Association February 2003 – May 2003

- Graded the written portion of the TAKS standardized test for 11th Grade

Publications and Papers

Murphy, D.P., and Trueman, C. (*in prep*) Neodymium preserved in Fe-Mn coatings of uplifted Jurassic marine sediments. *Geochimica et Cosmochimica Acta*

Murphy, D.P., Danise, S., Twitchett, R.J., Michalik, A., and Trueman, C. (*in prep*) Ocean Circulation changes in the boreal Tethys through the Pleinsbachian/Toarcian Extinction Event. *Palaeogeography, Palaeoclimatology, Palaeoecology*

Murphy, D.P. (*in revision*) Miocene Closure of the Indonesian Seaway and its Effect on the Equatorial Pacific. *Earth and Planetary Science Letters*,

Murphy, D.P., and Thomas, D.J. (2013) The Evolution of Late Cretaceous Deep-Ocean Circulation in the Atlantic Basins – Neodymium Isotope Evidence from South Atlantic drill sites for Tectonic Controls. *Geochemistry, Geophysics, Geosystems*, v. 14, no. (12), p.5323-5340, doi:10.1002/2013GC004889

Palike, H., Lyle, M.W., Nishi, H., Raffi, I., Ridgwell, A., Gamage, K., Klaus, A., Acton, G., Anderson, L., Backman, J., Baldauf, J., Beltran, C., Bohaty, S.M., Bown, P., Busch, W., Channell, J.E.T., Chun, C.O.J., Delaney, M., Dewangan, P., Dunkley Jones, T., Edgar, K., Evans, H., Fitch, P., Foster, G., Gussone, N., Hasegawa, H., Hathorne, E., Hayashi, H., Herrle, J.O., Holbourn, A., Hovan, S., Hyeong, K., Iijima, K., Ito, T., Kamikuri, S., Kimoto, K., Kuroda, J., Leon-Rodriguez, L., Malinverno, A., Moore Jr., T.C., Murphy, B.H., **Murphy, D.P.**, Nakamura, H., Ogane, K., Ohneiser, C., Richter, C., Robinson, R., Romero, O., Sawada, K., Scher, H., Schneider, L., Sluijs, A., Takata, H., Tian, J., Tsujimoto, A., Wade, B., Westerhold, T., Wilkens, R., Williams, T., Wilson, P., Yamamoto, Y., Yamamoto, S., Yamazaki, T., and Zeebe, R.E. (2012) A new Cenozoic record of equatorial Pacific carbonate accumulation rates and compensation depth. *Nature*, v. 488, p. 609-614, doi:10.1038/nature11360

Murphy, D.P., and Thomas, D.J. (2012), Cretaceous Deep-water Formation in the Indian Sector of the Southern Ocean. *Paleoceanography*, v. 27, doi:10.1029/2011PA002198

Murphy, D.P., and Thomas, D.J. (2010), The Negligible Role of Intermediate Water Circulation in Stadial-Interstadial Oxygenation Variations along the Southern California Margin: Evidence from Nd Isotopes. *Quaternary Science Reviews*, v. 29, no. (19-20), p. 2442-2450, doi:10.1016/j.quascirev.2010.05.021

Robinson, S.A., **Murphy, D.P.**, Vance, D., and Thomas, D.J. (2010), Formation of ‘Southern Component Water’ in the Late Cretaceous: Evidence from Nd isotopes. *Geology*, v. 38, no. 10, p. 871-874, doi: 10.1130/G31165.1

Murphy, D.P., and Kennett, J.P. (*in prep*), Intermediate Water Circulation of the North Pacific During Marine Isotope Stage 3: Southern California Margin. Submitting to *Palaeogeography, Palaeoclimatology, and Palaeoecology*

Published Abstracts

Danise S., Clemence M.E., **Murphy D.**, Gómez J.J. and Twitchett R.J. (2014), The response of marine benthic communities to increased $p\text{CO}_2$ and temperature in the early Toarcian, 10th North American Paleontological Convention

Thomas, D.J., and **Murphy, D.P.** (2012), Southern Hemisphere Neodymium Isotopes through the Late Cretaceous, Goldschmidt

Murphy, D.P., and Thomas, D.J. (2009), Mid-Late Cretaceous Nd Isotopic Composition of Southern Ocean Deep Waters, *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract PP31A-1296.

Robinson, S.A., **Murphy, D.P.**, Vance, D., and Thomas, D.J. (2009), The Nd-isotopic composition of late Cretaceous bathyal–abyssal seawater from fossil fish skeletal debris, 8th Annual Symposium on the Cretaceous System., Abstract 912.

Murphy, D.P., and Thomas, D.J. (2008), North Pacific Intermediate Water Circulation During Marine Isotope Stage 3: Southern California Margin, *Eos Trans. AGU*, 89(52) Fall Meet. Suppl., Abstract PP33C-1583

Thomas, D.J., and **Murphy, D.P.** (2008), The Nd Isotopic Composition of Southern Ocean mid-Late Cretaceous Deep Waters, *Eos Trans. AGU*, 89(52) Fall Meet. Suppl., Abstract PP33B-1542

Murphy, D.P., Kennett, J.P, and Southon, J.R. (2006), Late Pleistocene Variations in Oxygen Minimum Zone: Southern California Margin, *Eos Trans. AGU*, 87(52) Fall Meet. Suppl., Abstract PP23C-1788

Murphy, D.P., Kennett, J.P, and Southon, J.R. (2005), Intermediate Water Changes Across the Oxygen Minimum Zone During the Last 50,000 Years, Southern California Margin, *Eos Trans. AGU*, 86(52) Fall Meet. Suppl., Abstract PP11B-1461

Honors/Grants and Awards

US Science Support Program, IODP Post-Expedition Activity Grant	2009
Texas A&M Scherk Fellowship	2008-2009
Ocean Leadership/USSP Schlanger Fellowship	2007-2008
James Sharp Memorial Scholarship	2006
Texas A&M Scherk/Regents Fellowship	2006