

List of Books Displayed

NASA Center for Astronomy Education Southwest Regional Teaching Exchange

06 May 2017 at MiraCosta College in Oceanside, CA

Discipline-Specific

- [Six Ideas That Shaped Physics: Unit N – The Laws of Physics Are Universal](#) 2e by Thomas Moore (McGraw-Hill, 2002); [link to author's series site with info on the Six Ideas course and 3rd editions](#)
- [Six Ideas That Shaped Physics: Unit R – The Laws of Physics Are Frame-Independent](#) 2e by Thomas Moore (McGraw-Hill, 2002); [link to author's series site with info on the Six Ideas course and 3rd editions](#)
- [Six Ideas That Shaped Physics: Unit E – Electric and Magnetic Fields are Unified](#) 2e by Thomas Moore (McGraw-Hill, 2002); [link to author's series site with info on the Six Ideas course and 3rd editions](#)
- [Six Ideas That Shaped Physics: Unit T – Some Processes Are Irreversible](#) 2e by Thomas Moore (McGraw-Hill, 2009); [link to author's series site with info on the Six Ideas course and 3rd editions](#)
- [Six Ideas That Shaped Physics: Unit C – Conservation Laws Constrain Interactions](#) 2e by Thomas Moore (McGraw-Hill, 2013); [link to author's series site with info on the Six Ideas course and 3rd editions](#)
- [Six Ideas That Shaped Physics: Unit Q – Particles Behave Like Waves](#) 2e by Thomas Moore (McGraw-Hill, 2013); [link to author's series site with info on the Six Ideas course and 3rd editions](#)
- [Matter & Interactions I: Modern Mechanics](#) 2e by Ruth W. Chabay & Bruce A. Sherwood (Wiley, 2007); link points to 4th edition (2015)
- [Matter & Interactions II: Electric and Magnetic Interactions](#) 2e by Ruth W. Chabay & Bruce A. Sherwood (Wiley, 2007); link points to 4th edition (2015)
- [Physlet Physics: Interactive Illustrations, Explorations, and Problems for Introductory Physics](#) by Wolfgang Christian & Mario Belloni (Pearson Addison-Wesley, 2003); see online Physlets [here](#)
- [Ranking Task Exercises in Physics: Student Edition](#) by Thomas L. O’Kuma, David P. Maloney, & Curtis J. Hieggelke (Pearson, 2003)
- [E&M TIPERS: Electricity & Magnetism Tasks](#) by Curtis J. Hieggelke, David P. Maloney, Stephen E. Kanim, & Thomas L. O’Kuma (Pearson Addison-Wesley, 2005)
- [Tutorials in Introductory Physics](#) by Lillian C. McDermott & Peter S. Shaffer (Prentice Hall, 2001)
- [Tutorials in Introductory Physics: Homework](#) by Lillian C. McDermott & Peter S. Shaffer (Prentice Hall, 2002)
- [Lecture Tutorials for Earth Science](#) by Karen M. Kortz & Jessica J. Smay (Freeman, 2014)
- [Lecture Tutorials for Introductory Geoscience](#) 2e by Karen M. Kortz & Jessica J. Smay (Freeman, 2011)
- [Lecture Tutorials for Introductory Geoscience](#) by Karen M. Kortz & Jessica J. Smay (Freeman, 2009); [samples from the author's website](#); [samples from draft edition from author's website](#)
- [Lecture Tutorials for Introductory Astronomy – Solar System](#) by Jessica Smay & Karen Kortz (author's PDF, 2007)
- [Insights Into the Universe: Effective Ways to Teach Astronomy](#) by Timothy F. Slater & Michael Zeilik (AAPT, 2003)
- [Great Ideas for Teaching Astronomy](#) 3e by Stephen M. Pompea (Brooks/Cole Thomson Cengage, 2000)
- [Teaching Physics with the Physics Suite](#) by Edward F. Redish (Wiley, 2003)
- [Thinking Physics: Understandable Practical Reality](#) by Lewis Carroll Epstein (Insight Press, 2002)
- [Relativity Visualized](#) by Lewis Carroll Epstein (Insight Press, 1985)
- [Conducting Astronomy Education Research: A Primer](#) by Janelle M. Bailey, Stephanie J. Slater, & Timothy F. Slater (Freeman, 2010); [different version](#) (2015)
- [Five Easy Lessons: Strategies for Successful Physics Teaching](#) by Randall D. Knight (Pearson Addison Wesley, 2002)
- [Peer Instruction for Astronomy](#) by Paul J. Green (Pearson Addison-Wesley, 2002)
- [Learner-Centered Astronomy Teaching: Strategies for Astro 101](#) by Timothy F. Slater and Jeffrey P. Adams (Pearson Addison-Wesley, 2002)

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Education, General

- [*How People Learn: Brain, Mind, Experience, and School, Expanded Edition*](#) by the National Research Council (National Academies Press, 2000); [read online or download PDF for free](#)
- [*How Learning Works: 7 Research-Based Principles for Smart Teaching*](#) by Susan A. Ambrose, Michael W. Bridges, Michele DiPietro, Marsha C. Lovett, & Marie K. Norman (Jossey-Bass, 2010)
- [*Teaching for Critical Thinking: Tools and Techniques to Help Students Question Their Assumptions*](#) by Stephen Brookfield (Jossey-Bass, 2011)
- [*Teaching Naked: How Moving Technology Out of Your College Classroom Will Improve Student Learning*](#) by Jose Antonio Bowen (Jossey-Bass, 2012)
- [*Peer Instruction: A Users' Manual*](#) by Eric Mazur (Pearson, 1996)
- [*What the Best College Teachers Do*](#) by Ken Bain (Harvard University Press, 2004)
- [*Universal Design in Higher Education: From Principles to Practice*](#) by Sheryl E. Burgstahler & Rebecca C. Cory (Harvard Education Press, 2010); link points to 2nd edition (2015)
- [*Engaging Ideas: The Professor's Guide to Integrating Writing, Critical Thinking, and Active Learning in the Classroom*](#) 2e by John C. Bean (Jossey-Bass, 2011)
- [*Student Engagement Techniques: A Handbook for College Faculty*](#) by Elizabeth F. Barkley (Jossey-Bass, 2009)
- [*Classroom Assessment Techniques: A Handbook for College Teachers*](#) 2e by Thomas A. Angelo & K. Patricia Cross (Jossey-Bass, 1993)
- [*Learner-Centered Assessment on College Campuses: Shifting the Focus from Teaching to Learning*](#) by Mary E. Huba & Jann E. Freed (Allyn & Bacon Pearson, 1999)
- [*Clickers in the Classroom: How to Enhance Science Teaching Using Classroom Response Systems*](#) by Douglas Duncan (Pearson, 2004)

Teaching Online

- [*Teaching Online: A Practical Guide*](#) 3e by Susan Ko and Steve Rossen (Routledge, 2010); link points to 4th edition (2017)
- [*Discussion-Based Online Teaching to Enhance Student Learning*](#) by Tisha Bender (Stylus Publishing, 2004); link points to 2nd edition (2012)
- [*Teaching Online*](#) by Claire Howell Major (Johns Hopkins University Press, 2015)
- [*Assessing the Online Learner: Resources and Strategies for Faculty*](#) by Rena M. Palloff & Keith Pratt (Jossey-Bass, 2008)
- [*Engaging the Online Learner: Activities and Resources for Creative Instruction*](#) by Rita-Marie Conrad & J. Ana Donaldson (Jossey-Bass, 2011)