

THE SCIENCE TEACHER

CONTENIDO

VOLUME 79 No. 1 JANUARY 2012

FEACTURES ON THE THEME

- 37 **Climbing the Pyramid.**
Helping students evaluate science news sources.
James Planey and Barbara Hug.
- 41 **Writing and Science Literacy.**
Creative and technical writing activities that demonstrate students' understanding of science.
Coleen Weiss-Magasic.
- 44 **Science Journalism.**
Students learn lifelong science literacy skills by reporting the news.
Joseph Polman, Alan Newman, Cathy Farrar, and E. Wendy Saul.
- 48 **Reading to Learn.**
Helping students comprehend readings in science class.
Phillip Herman and Peter Wardrip.
- 52 **The Way They Want to Learn.**
Using technology to build students' literacy across the science disciplines.
Laurie O. Campbell and Dara Williams-Rossi.

ALSO IN THIS ISSUE

- 32 **Core Ideas of Engineering and Technology.**
Understanding *A Framework for K-12 Science Education*.
Cary Sneider.

DEPARTAMENTS

- 6 **Editor's Corner**
Reading, Writing, and Science.
- 8 **Safer Science**
Safety in Uncharted Waters.
- 10 **Science 2.0**
Using Online Data.
- 12 **The Green Room**
Environmental Science Lab Reports.

- 14 **The New Teacher’s Toolbox.**
The Dreaded (Sometimes Delightful) Patent Phone Call.
- 16 **Headline Science**
Environmental Sensitivity of Body Parts • Near Infrared Glow • Extinction of Neanderthals • Flexible, Transparent Electrodes • Squid Mystery • Galaxies’ Secrets • Probing Cell Mechanics.
- 57 **Call for Papers.**
- 62 **Idea Bank**
Reading, Writing, and Physics.
- 66 **Career of the Month.**
An Interview With Adventure Therapist Maurie Lung.
- 68 **NSTA Recommends**
- 76 **Index of Advertisers**

COVER

Reading and writing have always been fundamental to science — for scientists, teachers, and students alike. In this information age, the emerging synergy between science and language arts can only help prepare students to become better producers and more critical consumers of ideas. From creative writing to science news to technology, this issue of *The Science Teacher* offers a range of activities to help build your students’ scientific literacy.

Cover by Will Thomas.