Table of Contents

Editorial

Dr. Jerrid Kruse and Dr. Michael P. Clough	page 2
Featured Articles	
Cloudy Judgment: Helping Students Deeply Understand Cloud Formation Katie Borton, Hallie Satre, and Jesse Wilcox	page 4
How Do You Mass What You Cannot See? Using Paper Clips to Help Students Learn How Electron Mass was First Measured Rob Hingstrum, Jacob Pleasants, and Shannon McLaughlin	page 8
Growing Minds: Planting a Lasting Seed Using the Learning Cycle Jennifer Nicole Prindle and Lori Marie Ihrig	page 13
One Touchy Topic: Targeting Students' Sense of Touch Through Multiple Activities Ally Shinar, Rabihah Simmons, and Megan Ross	page 19

EditorDr. Jerrid Kruse

Associate EditorDr. Michael P. Clough

Managing Editor
Joe Taylor

DISCLAIMER: Experiments, laboratory exercises, lecture demonstrations, instructional settings, and other descriptions involving the use of chemicals, equipment, and instructional methods are presented in this journal as illustrative and directed at qualified science teachers. Manuscripts are reviewed to monitor the safe use of chemicals, materials, and equipment and to encourage the safe selection of instructional settings and methods, however the lowa Academy of Science and lowa Science Teachers Section does not assume any responsibility for the use or recommendations made in its published materials. Before implementing any materials published in this journal, users should carefully read all directions, consider all safety concerns, and make appropriate decisions based upon the age and abilities of the targeted audience. The user of any published materials from the lowa Science Teachers Journal agrees to hold the lowa Academy of Science and lowa Science Teachers Section harmless and waive any and all claims against the lowa Academy of Science and lowa Science Teachers Section, their officers, directors, editors, reviewers, members, employees, attorneys, agents, successors and assigns, resulting from any and all liabilities incurred as a result of implementing or attempting to implement any materials and ideas described.