# Iowa Science Teachers Journal

Volume 33 | Number 3

Article 1

2006

**Title Page - Table of Contents** 

Follow this and additional works at: https://scholarworks.uni.edu/istj

Part of the Science and Mathematics Education Commons

#### **Recommended Citation**

(2006) "Title Page - Table of Contents," *Iowa Science Teachers Journal*: Vol. 33 : No. 3 , Article 1. Available at: https://scholarworks.uni.edu/istj/vol33/iss3/1

This Front Matter is brought to you for free and open access by UNI ScholarWorks. It has been accepted for inclusion in Iowa Science Teachers Journal by an authorized editor of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.



# Volume 33, Issue 3



lowa Science Teachers Journal

### Table of Contents

#### Editorial

The Teacher's Crucial Role in Helping Students Learn Through Inquiry Michael Clough, ISTJ Editorpage 2
Featured Articles
Winging It: Exploring Form and Function using Chicken Wings <i>Kyle Girup and Michael Klein</i> page 3
Rounding up Student's Conceptions on Circular Motion Shannon McLaughlinpage 7
Revving it Up! Helping Students Investigate the Forces that Power a Motor Roy D. Unruh and Larry Escaladapage 16
Circuits without Wires? Helping Students Understand the Power of Ions Elizabeth Potter and Caroline M. Kellypage 22

Editor Dr. 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 Iowa Academy of Science and Iowa 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 Iowa Science Teachers Section harmless and waive any and all claims against the Iowa Academy of Science and Iowa 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.