EDUCATIONAL LEADERSHIP

Volume 47 Number 3 November 1989

ASCD



What Schools Can Do About What Students Don't Know

Students must leave school with the passion to question, without the fear of looking foolish, and with the knowledge to learn where and how the facts can be found.
–Grant Wiggins

********** 5-DIGIT 48106
0955 EDL 00021562
UNIVERSITY MICROFILMS
ACQUISITIONS DEPT
BLAKE RATCLIFF
300 NO ZEEB RD
ANN ARBOR, MI 48106

Conference Preview Inside

Journal of the Association for Supervision and Curriculum Development

EDUCATIONAL

CONTENTS

WHAT SCHOOLS CAN DO ABOUT WHAT STUDENTS DON'T KNOW

4 **What We Know About What Students Don't Know**
Gregory R. Anrig and Archie E. Lapointe

6 **A Different Interpretation of the Data: Most Students Know a Lot**
Paul E. Burke

10 **On Curriculum in California: A Conversation with Bill Honig**
Ron Brandt

14 **Why Students Aren't Learning Very Much from Textbooks**
Harriet Tyson and Arthur Woodward

18 **Making Science Happen**
Thomas P. Sachse

22 **Transforming Mathematics Education**
John A. Dossey

25 **Improving History in the Schools**
Charlotte Crabtree

27 **Resources for Teaching about Religion**
Charles C. Haynes

29 **The Case for Geography Education**
Gilbert M. Grosvenor

33 **Geography by Cargo Ship**
Tony Mociun

35 **Geography in a Fortnight**
Frank Pajares

39 **How to Help Students Learn History and Geography**
Walter Parker

44 **The Futility of Trying to Teach Everything of Importance**
Grant Wiggins

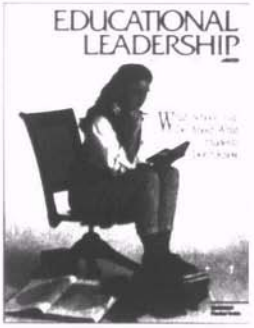
60 **The Arts Are Essential to Education**
Charles Fowler

65 **Portrait of James Gray**
Mark F. Goldberg

70 **School Renewal as Cultural Change**
Bruce Joyce, Carlene Murphy, Beverly Showers, and Joseph Murphy

79 **"Enabling" Undermines Responsibility in Students**
Steven E. Landfried

85 **Synthesis of Research on Homework**
Harris Cooper



Photograph by Dennis Johnson
Our thanks to model to Ann M Bradford

DEPARTMENTS

3 **Overview**
Ron Brandt

TRENDS

94 **Reading**
Roger Farr

95 **Minority Education**
Wali Gill

VOICES

96 **The Superintendent**
Thomas P. McGarry

97 **Young Children**
Mimi Brodsky Chenfeld

99 **Reviews**

102 **ASCD in Action**

JOURNAL STAFF

Ronald S. Brandt Executive Editor
Anne Meek Managing Editor
Al Way Art Director
Jo Ann Irick Jones Associate Editor
Scott Willis Associate Editor
Teola T. Jones Advertising Coordinator
Lee Hickson Administrative Assistant
Karen Bradford Editorial Assistant

Copyright © 1989 by the Association for Supervision and Curriculum Development. All rights reserved.