Iowa Science Teachers Journal

Volume 18 | Number 3

Article 8

1981

Declining Birthrate

James Hungerford Marshalltown Community Schools

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



Part of the Science and Mathematics Education Commons

Let us know how access to this document benefits you

Copyright © Copyright 1981 by the Iowa Academy of Science

Recommended Citation

Hungerford, James (1981) "Declining Birthrate," Iowa Science Teachers Journal: Vol. 18: No. 3, Article 8. Available at: https://scholarworks.uni.edu/istj/vol18/iss3/8

This Article is brought to you for free and open access by the IAS Journals & Newsletters at 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.

Offensive Materials Statement: Materials located in UNI ScholarWorks come from a broad range of sources and time periods. Some of these materials may contain offensive stereotypes, ideas, visuals, or language.

4. Cooms, Robert E. "Student Achievement Through Individualization," The American Biology Teacher (172): March 1975.

5. Coppedge, Floyd L. "Goals of Individualization," Educational Technology (25-27);

August 1975.

- Education U.S.A. "Individualization in Schools, The Challenge and the Options," National School Public Relations Association (2-5); Washington, D.C. 1971.
- Educational Research Associates. "Individualized Instruction," Newsletter 14(2): 1-4;
 February 1979.
- 8. Hirsch, Christian R. "A Review of Research on Individualized Instruction in Secondary Mathematics," School Science and Mathematics 76:499-507, October 1976.
- Kelly, James L. "A Brief Look at Individualized Instruction," Iowa Science Teachers Journal 13:15-19; 1976.
- Lavatelli, Celia B. and Herbert D. Thier. "Individualization Through the Laboratory Approach," SCIS Newsletter 12:4-5; Spring 1968.
- Littlefield, David L. and Louis A. Gatta. "An Evaluation of Student Characteristics
 As Related To Cognitive Achievement in an Individualized High School Biology
 Program," Paper presented at the Annual Meeting of the National Association for
 Research in Science Teaching, Los Angeles, March 1975.
 Littlefield, David L., et. al. "Studies on Student Characteristics as Related to

 Littlefield, David L., et. al. "Studies on Student Characteristics as Related to Achievement in Individualized Biology Program," Paper presented at the Annual Convention of the School Science and Mathematics Association, Chicago, November

1975.

- Marchese, Richard S. "A Literature Search and Review of the Comparison of Individualized and Conventional Modes of Instruction in Science," School Science and Mathematics 77:699-703; December 1977.
- 14. May, Jeffrey. "Personalized Self-Instruction at the Cambridge School," *The Science Teacher* (22-23); January 1977.
- Norris, Roger A., Michael Heikkinen, and Terry Armstong. "Alternatives for Individualized Biology: The Importance of Cognitive Style and Conceptual Complexity," The American Biology Teacher (291-398); March 1974.

16. Norton, M. Scott. "Thrust Toward Individualization of Instruction," The Clearing

House (394-398); March 1974.

 Power, Colin N. and Richard P. Tisher. "Relationships Between Classroom Behavior and Instructional Outcomes in an Individualized Science Program," Journal of Research in Science Teaching 13(6): 489-498; November 1976.

Declining Birthrate

James Hungerford, Marshalltown Community Schools, Marshalltown, Iowa

Iowa State Health Department records indicate a steady decrease in the number of babies born to teen-age women. From 1971-1979, there was a 20% decrease in babies born to women under the age of 18.

The reasons for such a decline are uncertain. There is little, if any, evidence to support the idea that the decline was due to abortion. Family planning clinics may have helped stem the rise of unwanted teen-age pregnancies and it is hoped that the introduction of sex education in schools helped alleviate the problem. At any rate, Iowa youth need the continued support and guidance of parents, churches, local school boards and teachers through this critical phase in their lives. Though such co-operative efforts, unwanted teen-age pregnancies should continue to decline.

Des Moines Register, (Jan. 25, 1981). All Time Low Infant Death Rate in Iowa (p. 1);

Fewer Babies Being Born to Teen-agers (p. 9A).