
Bibliography

Compiled by

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Rob Cowie and Tricia Waddell are graduates from the University of Lethbridge. It is to be acknowledged that an initial bibliography was compiled by J. Kirkpatrick and published in Reading Improvement, Vol. 8, No. 2, Fall 1971-72.

Periodicals

1. Aaron, I.E. "Reading in Mathematics." *Journal of Reading*, 8:391, May 1965.
2. Balow, I.H. "Reading and Computation Ability as Determinants of Problem Solving." *The Arithmetic Teacher*, 11:18-22, January 1964.
3. Barney, L. "Problems Associated with the Reading of Arithmetic." *The Arithmetic Teacher*, 19:131-33, February 1972.
4. Barth, R.J. "Content Reading in Math." *Journal of Reading*, 17:332-33, January 1974.
5. Bell, M.S. "Developing Competence in Reading: In Mathematics." In Robinson, H. Alan (ed.), *Recent Developments in Reading*, XXVII. Supplementary Education Monographs, 95:155-59, University of Chicago Press, December 1965.
6. Braam, L.S., and J.S. Walker. "Subject Teachers' Awareness of Reading Skills." *Journal of Reading*, 16:8, 1973.
7. Bullerman, M., and E.J. Franco. "Teach Content Material But Teach Reading, Too!" *Journal of Reading*, 19:1, 1975.
8. Calhoun, C.C., and L.A. Redmond. "Are You Teaching Kids to Read Mathematics?" *Journal of Reading*, 27:804-08, May 1974.
9. Call, N.J., and M.A. Wiggin. "Reading and Mathematics." *Mathematics Teacher*, 59:149-57, February 1966.
10. Capoferi, A. "The Mathematics Teacher Looks at Reading." *Delta-K*, XII(2,3): 3-9, April 1973.

11. Cassidy, J., and V. Sharkey. "'Rithmetic Reading." *Teacher*, 94:5, January 1977.
12. Coffing, E.A. "Relationship Between Silent Reading Ability and Arithmetic Ability." *School Science and Mathematics*, 41:10-14, January 1941.
13. Collier, C.C., and L.A. Redmond. "Are You Teaching Kids to Read Mathematics?" *The Reading Teacher*, 27:804-06, May 1974.
14. Cooper, F.F. "Math as a Second Language." *Instructor*, 81:76-77, October 1971.
15. Coulter, M.L. "Verbal Problem Solving Ability in the Intermediate Grades." In Figurel, J. Allen (ed.), *Reading and Inquiry*, International Reading Association Conference Proceedings, 10:303-06, Newark, Delaware: International Reading Association, 1965.
16. Dolgin, A.B. "Improvement of Mathematical Learning Through Reading Instruction." *High School Journal*, 61:59-69, November 1977.
17. Eagle, E. "The Relationship of Certain Reading Abilities to Success in Mathematics." *The Mathematics Teacher*, 41:175-79, April 1948.
18. Earp, N.W. "Problems of Reading in Mathematics." *School Science and Mathematics*, 71:129-32, February 1971.
19. Earp, N.W. "Procedures for Teaching Reading in Mathematics." *The Arithmetic Teacher*, 17:575-80, November 1970.
20. Fay, L.C. "The Real Relationship Between Specific Reading Skills and Selected Areas of Grade Six Achievement." *Journal of Educational Research*, 43:541-47, March 1950.
21. Fay, L.J. "Reading Study Skills: Math and Science." In Figurel, J. Allen (ed.), *Reading and Inquiry*, 10:92-94, International Reading Association Conference Proceedings. Newark, Delaware: International Reading Association, 1965.
22. Foran, T.G. "The Reading of Problems in Arithmetic." *Catholic Educational Review*, 31:601-12, December 1933.
23. Forseth, W.J. "Does the Study of Geometry Help Improve Reading Ability?" *Mathematics Teacher*, 54:12, January 1961.
24. Freeman, G.F. "Reading and Mathematics." *The Arithmetic Teacher*, 20:523-29, November 1973.
25. Garstens, H.L., and M. L. Keedy. "University of Maryland Mathematics Project." *The Arithmetic Teacher*, 7:61, February 1960.
26. Gilmary, Sister. "Transfer Effects of Reading Remediation to Arithmetic Computation When Intelligence is Controlled and All Other Factors Are Eliminated." *The Arithmetic Teacher*, 14:17-20, January 1967.

27. Gitter, L. "Basic Geometric Shapes and Reading." *Academic Therapy*, 12:52-66, Fall 1976.
28. Grouws, D.A., and R.D. Robinson. "Some Ideas Concerning The Readability of Classroom Mathematics Materials." *School Science and Mathematics*, 73:711-16, December 1973.
29. Hansen, C.W. "Factors Associated With Successful Achievement in Problem Solving in Sixth Grade Arithmetic." *Journal of Educational Research*, 38:111-18, October 1944.
30. Hater, M.A., R.B. Kane, and M.A. Byrne. "Building Reading Skills in the Mathematics Class." *The Arithmetic Teacher*, 21:662-68, December 1974.
31. Heddens, J.W., and K.J. Smith. "The Readability of Elementary Mathematics Books." *The Arithmetic Teacher*, 11:466-68, November 1964.
32. Henney, M. "Improving Mathematics Verbal Problem Solving Through Reading Instruction." *The Arithmetic Teacher*, 18:223-29, April 1971.
33. Herber, H.L. "Developing Reading Skills Demanded by Content Subjects." In Figurel, J. Allen (ed.), *Vistas in Reading*, II(1):68-71. Proceedings of the Eleventh Annual Convention. Newark, Delaware: International Reading Association, 1967.
34. Hill, W. "Research for the Classroom: Content Textbook - Help or Hindrance?" *Journal of Reading*, 10:408-13, 1967.
35. Johnson, D.A. "The Readability of Mathematical English." *The Mathematics Teacher*, 105-10, February 1957.
36. Johnson, H.C. "The Effect of Instruction in Mathematical Vocabulary on Problem Solving in Arithmetic." *Journal of Educational Research*, 38: 97-110, October 1944.
37. Johnson, J.T. "On the Nature of Problem Solving in Arithmetic." *Journal of Educational Research*, 43:110-15, October 1949.
38. Johnson, M.E. "The Vocabulary Difficulty in Content Subjects in Grade Five." *Elementary English*, XXIX:277-80, May 1952.
39. Kerfoot, J.F. "The Vocabulary in Primary Arithmetic Texts." *The Reading Teacher*, XIV:177-80, January 1961.
40. Knight, L.N., and C.H. Hargis, "Math Language Ability." *Language Arts*, 54:423-28, April 1977.
41. Lacey, P.A., and P.E. Weil. "Number-Reading-Language." *Language Arts*, 52:776-82, September 1975.
42. Lees, F. "Mathematics and Reading." *Journal of Reading*, 19:621-26, May 1976.

43. Lessenger, W.E. "Reading Difficulties in Arithmetical Computation." *Journal of Educational Research*, 11:287-91, April 1925.
44. Lyda, W.J., and F.M. Duncan. "Quantitative Vocabulary and Problem Solving." *The Arithmetic Teacher*, 14:289-91, April 1967.
45. Maffei, A.C. "Mathematics in the Language Arts." *Elementary English*, 52: 325-26, March 1975.
46. Maffei, A.C. "Reading Analysis In Mathematics." *Journal of Reading*, 16: 546-49, April 1973.
47. Monroe, W.S. "The Derivation of Reasoning Tests in Arithmetic." *School and Society*, 8:295-99, 324-29, September 1918.
48. Olander, H.T., and C.L. Ehmer. "What Pupils Know About Vocabulary in Mathematics." *Elementary School Journal*, 71:361-67, April 1971.
49. Palmer, W.S. "Teaching Reading in Content Areas." *Journal of Reading*, 19: 1, 1975.
50. Phillips, J.M. "Math and Children's Literature." *Instructor*, 80:75-76, November 1970.
51. Phillips, J.M. "Reading Mathematical Content." *Instructor*, 77:120, 136-38, March 1968.
52. Pribnow, J.R. "Why Johnny Can't Read Word Problems." *School Science and Mathematics*, 69:591-98, October 1969.
53. Riedesel, C.A. "Problem Solving: Some Suggestions From Research." *The Arithmetic Teacher*, 16:54-58, January 1969.
54. Rulin, K.L. "Skill Training for All Secondary Teachers." *Journal of Reading*, Vol. 15, 1971.
55. Schleich, M. "Groundwork for Better Reading in Content Areas." *Journal of Reading*, 15:2, 1977.
56. Snyder, B.B. "Please Give Us More Story Problems." *The Arithmetic Teacher*, 20:96-98, Fall 1973.
57. Spencer, H.F., and D.H. Russell. "Reading in Arithmetic." *Instruction in Arithmetic*, Twenty-Fifth Yearbook of the National Council of Teachers of Mathematics, pp.202-23. Washington, D.C.: National Council of Teachers of Mathematics, 1960.
58. Stauffer, R.G. "A Vocabulary Study Comparing Reading, Arithmetic, Health and Science Texts." *The Reading Teacher*, 20:141-47, 1966.
59. Stevens, B.A. "Problem Solving in Arithmetic." *Journal of Educational Research*, 25:253-60, April-May 1932.

60. Stevenson, G.K. "Attitudes Toward Reading and Arithmetic Instruction - Why the Contrast?" *The Arithmetic Teacher*, 5:161, April 1958.
61. Strain, L.B. "Children's Literature: An Aid in Mathematics Instruction." *The Arithmetic Teacher*, 16:451-55, October 1969.
62. Taschow, H.G. "Reading Improvement in Mathematics." *Reading Improvement*, 6:62-67, Winter 1969.
63. Taschow, H.G. "Reading in Mathematics." *Improving College and University Teaching*, 20:312-14, Winter 1972.
64. Treacy, J.P. "The Relationship of Reading Skills to the Ability to Solve Arithmetic Problems." *Journal of Educational Research*, 38:86-96, October 1944.
65. Van Gilder, L.L. "Meeting Reading Demands of the Content Subject." In Figurel, J. Allen (ed.), *Vistas in Reading*, II(1):39-42. Proceedings of the Eleventh Annual Convention. Newark, Delaware: International Reading Association, 1967.
66. Vanderlinde, L.F. "Does the Study of Quantitative Vocabulary Improve Problem Solving." *Elementary School Journal*, 65:143-52, December 1964.
67. Wiegand, R.B. "Pittsburgh Looks at the Readability of Mathematics Textbooks." *Journal of Reading*, 11:201, December 1967.
68. Yesner, S. "Reading (Whatever that is) is Not Math (Whatever that is)." *English Journal*, pp.45-49, February 1976.

Books

1. Aulls, M. *Developmental and Remedial Reading in the Middle Grades*. Boston: Allyn and Bacon, Inc., 1978.
2. Bamman, H.A. "Reading in Science and Mathematics." In *Reading Instruction in Secondary Schools*. Newark, Delaware: International Reading Association, October 1969.
3. Banks, J.H. *Learning and Teaching Arithmetic*. Boston: Allyn and Bacon, 1965.
4. Bond, G.L., and Eva Bond Wagner. *Teaching the Child to Read*. New York: Macmillan Company, 1966.
5. Buffie, Welch, and Paige. *Mathematics: Strategies of Teaching*. New Jersey: Prentice-Hall, Inc., 1968.
6. Clark, J.R. "The Problem of Reading Instruction in Mathematics." In Vigilante, N.J. (ed.), *Mathematics in Elementary Education*. New York: Macmillan Company, 1969.

7. Corle, C.G. "Reading in Mathematics: A Review of Recent Research." In *Reading in the Content Areas*. Newark, Delaware: International Reading Association, 1972.
8. Coulter, M.L. "Reading in Mathematics: Classroom Implications." In *Reading in the Content Areas*. Newark, Delaware: International Reading Association, 1972.
9. Dechant, E.V. *Improving the Teaching of Reading*. New Jersey: Prentice-Hall, Inc., 1970.
10. Earle, R.A. *Teaching Reading and Mathematics*. Newark, Delaware: International Reading Association, 1976.
11. Estes, T.H., and J.L. Vaughan. *Reading and Learning In the Content Classroom: Diagnostic and Instructional Strategies*. Boston: Allyn and Bacon, Inc., 1978.
12. Fawcett, H.P. "Nature and Extent of Reading in Mathematics." In *Improving Reading in Content Fields*. Chicago, Illinois: University of Chicago Conference on Reading, 1946.
13. Fehr and Phillips. *Teaching Modern Mathematics in the Elementary School*. Don Mills, Ontario: Addison-Wesley Publishing Company, 1967.
14. Grossnickle and Brueckner. *Discovering Meanings in Elementary School Mathematics*. Toronto: Holt, Rinehart and Winston, 1963.
15. Harris, I.A., and C. Smith. *Reading Instruction*. New York: Holt, Rinehart and Winston, 1976.
16. Hartung, M.L. "Methods and Materials for Teaching Reading in Mathematics." In Robinson, H.M. (ed.), *Sequential Development of Reading Abilities*. Chicago: University of Chicago Press, 1960.
17. Hater, M.A., R.B. Kane, and M.A. Byrne. *Helping Children Read Mathematics*. New York: American Book Company, 1973.
18. Klein, H. *The Quest for Competency in Teaching Reading*. Newark: International Reading Association, 1972.
19. Laffey, J.L. *Reading in the Content Areas*. Newark: International Reading Association, 1972.
20. Leary, B.E. "Meeting Specific Reading Problems in the Content Fields." In *Reading in the High School and College*, 47th Yearbook of the NSSE, Part II. Chicago: University of Chicago Press, 1948.
21. Marks, Purdy, Kinney and Hiatt. *Teaching Elementary School Mathematics for Understanding*. Toronto: McGraw-Hill Book Company, 1975.

22. Morgenstern, A. "Reading Mathematical Material." In Figurel, J. Allen (ed.), *Reading and Realism*, 12(1):132-36. Newark: International Reading Association, 1969.
23. Morton, R.L. *Teaching Children Arithmetic*. New York: Silver-Burdett Co., 1953.
24. Muelder, R.H. "Helping Students Read Mathematics." In *Corrective Reading in the High School Classroom*. Newark: International Reading Association.
25. Muelder, R.H. "Reading in a Mathematics Class." In Robinson, H.A., et al (eds.), *Fusing Reading Skills and Content*. Newark: International Reading Association, 1969.
26. Niles, O.S. "Reading Skills Common to the Content Areas." In Robinson, H.A., et al (eds.), *Fusing Reading Skills and Content*. Newark: International Reading Association, 1969.
27. Piercy, D. *Reading Activities in Content Areas: An Ideabook For Middle and Secondary Schools*. Boston: Allyn and Bacon, Inc., 1976.
28. Riedesel, C.A., and P.C. Burns. *Handbook for Exploratory and Systematic Teaching of Elementary School Mathematics*. New York: Harper and Row, 1977.
29. Robinson, H.A. *Teaching Reading and Study Strategies: The Content Areas*. Boston: Allyn and Bacon, Inc., 1978.
30. Rudman, H.C. "Methods of Increasing Competence in Interpreting Reading Materials In Arithmetic and Mathematics: In Grades Four to Six." In Gray, W.S. (ed.), *Improving Reading in All Curriculum Areas*. Supplementary Educational Monograph, 76:154-59. Chicago: University of Chicago Press, November 1952.
31. Smith, N.B. *Be A Better Reader*. Englewood Cliffs, N.J.: Prentice-Hall, 1977.
32. Spencer and Brydegaard. *Building Mathematical Competence in the Elementary School*. Toronto: Holt, Rinehart and Winston, 1966.
33. Spitzer, H.F. "Methods of Increasing Competence in Interpreting Reading Materials in Arithmetic and Mathematics: In Kindergarten to Grade Three." In Gray, W.S. (ed.), *Improving Reading in All Curriculum Areas*. Supplementary Educational Monographs, 76:150-54. Chicago: University of Chicago Press, 1952.
34. Thomas, E.L., and H.A. Robinson. *Improving Reading in Every Class*. Boston: Allyn and Bacon, Inc., 1978.
35. Tinker, M., and C.A. McCullough. *Teaching Elementary Reading*. New York: Appleton-Century-Crofts, 1968.
36. Weber, M.G. "The Demon of Arithmetic-Reading Word Problems." In Harris, A.J. (ed.), *Readings on Reading Instruction*. New York: David McKay Company, Inc., 1963.

ERIC Documents

1. Aiken, L.R. "Language Factors in Learning Mathematics." October 1972, ED 068 340
2. Aquino, M., et al. "Reading Comprehension Difficulty as a Function of Content Areas and Linguistic Complexity," August 1968. ED 057 991
3. Burns, P.C. "Vocabulary Growth Through the Use of Context," May 1967. ED 014 374
4. Byrne, M.A., and R.B. Kane. "Measuring Vocabulary and Symbol Familiarity in the Language of Mathematics," February 1971. ED 047 958
5. Chevalier, J.A. "Effects of Morphemic Idiosyncracies in Number Words in Performing Arithmetic Operations," April 1971. ED 049 923
6. Cook, B. "An Analysis of Arithmetic, Linguistic and Algebraic Structural Variables That Contribute to Problem Solving Difficulty in Algebra Word Problems," February 1973. ED 076 433
7. Courtney, Brother L. "Are We Really Improving Reading in the Content Field?" April 1968. ED 022 651
8. Dramer, D. "Every Teacher a Teacher of Reading - For Only A Week," May 1973. ED 080 971
9. Earp, N.W. "Reading in Mathematics," May 1969. ED 036 397
10. Ebeling, D.G. "The Ability of Sixth Grade Students to Associate Mathematical Terms with Related Algorithms," 1973. ED 107 500
11. Fay, L. "Reading in the Content Fields: An Annotated Bibliography," 1966. ED 025 394
12. Fay, L. "Reading in the Content Fields: An Annotated Bibliography," Revised 1969. ED 080 945
13. Georgia State Department of Education. "Reading Mathematics," 1975. ED 105 407
14. Harker, W.J. "Teaching Comprehension in Content Areas," February 1974. ED 088 006
15. Harvin, V.R. "Mathematics Teacher - A Reading Teacher?", 1970. ED 041 702
16. Hater, M.A., and R.B. Kane. "The Cloze Procedure as a Measure of the Comprehensibility and Difficulty of Mathematical English," 1970. ED 040 881
17. Hater, M.A., et al. "The Cloze Procedure as a Measure of the Reading Difficulty of Mathematical English Passages," August 1972. ED 071 056

18. Herber, H.L. "Centers to Train Secondary School Reading Consultants in Programs for Teaching Reading in Subject Areas," Final Report, August 1971. ED 058 007
19. Herber, H.L., and P.L. Sanders. "Research in Reading in the Content Areas: First Year Report," 1969. ED 037 305
20. Hollander, S.K. "Reading the Special Language of Mathematics." ED 137 726
21. Kossack, S.W. "A Mathematical Reading Inventory," 1976. ED 141 768
22. Kulm, G. "Measuring the Readability of Elementary Algebra Using the Cloze Technique," February 1971. ED 047 972
- *23. Laffey, J.L. "Reading in the Content Areas," ED 065 829
24. Laffey, J.L. "Research on Reading in the Content Fields: Mathematics, Science and Social Studies, ERIC/CRIER Reading Review Series, Volume 2, Bibliography 10," July 1968. ED 024 538
25. Manzo, A.V. "Teaching Strategies and Exercises for Vocabulary Development," 1973. ED 092 892
26. McCabe, P.P. "The Effect Upon Comprehension of Mathematics Materials Repeated on the Basis of Oral Language," May 1977. ED 140 275
27. New York State Education Department. "Extending High School Reading Skills; Part 2; Science, Social Studies, Mathematics," 1975. ED 116 137
28. Otto, W., and R. Smith. "Junior and Senior High School Teacher Attitudes Toward Teaching Reading in the Content Areas," December 1968. ED 026 226
29. Palmer, W.S. "Teaching Reading in the Content Areas: Three Pitfalls, Three Possibilities," May 1974. ED 088 022
30. Piercy, D. "Reading Activities in Content Areas: An Ideabook for Middle and Secondary Schools," 1976. ED 130 251
31. Rayburn, E. "An Exploration of the Cloze Procedure in Arithmetic Reading," March 1974. ED 102 530
- *32. Robinson, H.A. "Teaching Reading and Study Strategies: The Content Areas," 1975. ED 114 789
33. Robinson, H.A., and E.L. Thomas. "Fusing Reading Skills and Content," 1969. ED 036 399
34. Rosenthal, D.J.A., and L.B. Resnick. "The Sequence of Information in Arithmetic Word Problems," February 1971. ED 049 909

*These articles can also be found in the list of periodicals.

35. Rudolph, W.B. "Measuring Reading Comprehension and Difficulty in Mathematical English Using Relative Sequential Restraint," February 1971. ED 052 898
36. Shaw, J.A. "Reading Problems in Mathematics Texts," August 1967. ED 016 587
37. Sheperd, D.L. "Reading in the Content Areas - Instruction and Application," April 1968. ED 020 078
38. Simmons, V. "Reading Patterns in Mathematics," May 1977. ED 138 928
39. Singer, H. "Factors Involved in General Reading Ability and Reading in the Content Areas," December 1969. ED 037 313
40. Taschow, H.G. "Reading in Mathematics," December 1970. ED 046 670
41. Thomas, E.L., and H.A. Robinson. "Improving Reading in Every Class: A Sourcebook for Teachers," 1974. ED 089 235
42. Travers, K.S., et al. "Preference for Modes of Expression in Mathematics," May 1967. ED 050 962
43. Weiss, M.J. "Developing a Content Reading Program for an Inner City High School," December 1969. ED 035 538

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