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Senior 1

**References**

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## REFERENCES

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- Alberta Education. *Program of Studies—Elementary Schools: Science*. Edmonton, AB: Alberta Education, 1995.
- Alberta Learning. *Grade 7 Science Program Outcomes: Resource Development Draft*. Edmonton, AB: Alberta Learning, April 1999.
- \_\_\_\_\_. *Grade 8 Science Program Outcomes: Resource Development Draft*. Edmonton, AB: Alberta Learning, April 1999.
- \_\_\_\_\_. *Grade 9 Science Program Outcomes: Resource Development Draft*. Edmonton, AB: Alberta Learning, November 1999.
- American Association for the Advancement of Science. *Benchmarks for Science Literacy: Project 2061*. New York, NY: Oxford University Press, 1993.
- \_\_\_\_\_. *Science for All Americans*. Washington, DC: American Association for the Advancement of Science Publications, 1990.
- Arons, Arnold. *A Guide to Introductory Physics Teaching*. Toronto, ON: John Wiley and Sons, 1990.
- Bybee, Rodger W. *Science and Technology Education for the Elementary Years: Frameworks for Curriculum and Instruction*. Rowley, MA: The National Center for Improving Science Education (The Network), 1989.
- Council of Ministers of Education, Canada. *Common Framework of Science Learning Outcomes K to 12: Pan-Canadian Protocol for Collaboration on School Curriculum*. Toronto, ON: Council of Ministers of Education, Canada, 1997.
- \_\_\_\_\_. *Science Assessment: Framework and Criteria, School Achievement Indicators Program SAIP*. Toronto, ON: Council of Ministers of Education, Canada, 1996.
- Conseil supérieur de l'éducation. *Améliorer l'éducation scientifique sans compromettre l'orientation des élèves: les sciences de la nature et la mathématique au deuxième cycle du secondaire*. Montreal, QC: Conseil supérieur de l'éducation, 1990.

- — — . *L'initiation des élèves aux sciences de la nature chez les enfants au primaire*. Montreal, QC: Conseil supérieur de l'éducation, 1989.
- Evans, James. "Teaching Electricity with Batteries and Bulbs." *The Physics Teacher*. (January 1978): 15.
- Larochelle, M. et J. Désautels. *Autour de l'idée de science: itinéraires cognitifs d'étudiants et d'étudiantes*. Laval, QC: Presse de l'université Laval, 1992.
- Manitoba Education and Training. *A Foundation for Excellence. Renewing Education: New Directions series*. Winnipeg, MB: Manitoba Education and Training, 1995.
- — — . *Education for a Sustainable Future: A Resource for Curriculum Developers, Teachers, and Administrators*. Winnipeg, MB: Manitoba Education and Training, 2000.
- — — . *Grades 5–8 Science: Manitoba Curriculum Framework of Outcomes*. Winnipeg, MB: Manitoba Education and Training, 2000.
- — — . *Kindergarten to Grade 4 Science: A Foundation for Implementation*. Winnipeg, MB: Manitoba Education and Training, 1999.
- — — . *Kindergarten to Grade 4 Science: Manitoba Curriculum Framework of Outcomes*. Winnipeg, MB: Manitoba Education and Training, 1999.
- — — . *Reporting on Student Progress and Achievement: A Policy Handbook for Teachers, Administrators, and Parents*. Renewing Education: New Directions series. Winnipeg, MB: Manitoba Education and Training, 1997.
- — — . *Resource-Based Learning: An Educational Model*. Manitoba School Library Media Program Curriculum Committee. Winnipeg, MB: Manitoba Education and Training, 1994.
- — — . *Senior 1 English Language Arts: Manitoba Curriculum Framework of Outcomes and Senior 1 Standards*. Renewing Education: New Directions series. Winnipeg, MB: Manitoba Education and Training, 1996.
- — — . *Senior 1 Science: Manitoba Curriculum Framework of Outcomes*. Winnipeg, MB: Manitoba Education and Training, 2000.

- \_\_\_\_\_. *Science Safety: A Kindergarten to Senior 4 Resource Manual for Teachers, Schools, and School Divisions*. Renewing Education: New Directions series. Winnipeg, MB: Manitoba Education and Training, 1997.
- \_\_\_\_\_. *Senior Years Science Teachers' Handbook: A Teaching Resource*. Renewing Education: New Directions series. Winnipeg, MB: Manitoba Education and Training, 1997.
- \_\_\_\_\_. *Success for All Learners: A Handbook on Differentiating Instruction: A Resource for Kindergarten to Senior 4 Schools*. Renewing Education: New Directions series. Winnipeg, MB: Manitoba Education and Training, 1996.
- \_\_\_\_\_. *Technology As a Foundation Skill Area: A Journey Toward Information Technology Literacy*. Renewing Education: New Directions series. Winnipeg, MB: Manitoba Education and Training, 1998.
- McDermott, L. and P. Schaffer. "Research as a Guide for Curriculum Development. Part I: An Example from Introductory Electricity." *American Journal of Physics* 60(11) (1992): 994–1003.
- Morse, Robert. *Teaching Electrostatics*. College Park, MD: American Association of Physics Teachers, 1999.
- National Research Council. *National Science Education Standards*. Washington, DC: National Academy Press, 1996.
- National Science Teachers Association. *Scope, Sequence, and Coordination of Secondary School Science*. Arlington, VA: National Science Teachers Association, 1992.
- \_\_\_\_\_. *The Content Core: A Guide for Curriculum Designers*. Arlington, VA: National Science Teachers Association, 1993.
- Ontario Ministry of Education and Training. *The Ontario Curriculum Grades 1–8: Science and Technology*. Toronto, ON: Ministry of Education and Training, 1998.
- \_\_\_\_\_. *The Ontario Curriculum Grades 9 and 10: Science, 1999*. Toronto, ON: Ministry of Education and Training, 1999.
- Newfoundland and Labrador Department of Education, Primary, Elementary and Secondary Education Branch. *Foundation for the Atlantic Canada Science Curriculum*. St. John's, NF: Newfoundland and Labrador Department of Education, 1998.

- Orpwood, G., and J.P. Souque. *Science Education in Canadian Schools, Background Study 52*. Ottawa, ON: Ministry of Supply and Services, 1984.
- Plumb, Donald, Bob Ritter, Edward James, and Alan J. Hirsch. *Science 9*. Scarborough, ON: Nelson, a division of Thomson Learning, 1999.
- Prince Edward Island Department of Education, English Programs and Services Division. *Atlantic Canada Science Curriculum: Grade 7-9*. (Draft October, 1999) Charlottetown, PE: Prince Edward Island Department of Education, 1999.
- Science Council of Canada. *Science for Every Student, Report 36*. Ottawa, ON: Ministry of Supply and Services, 1984.
- Sustainability Manitoba. *Sustainable Development Strategy for Manitoba*. Winnipeg, MB: Sustainability Manitoba, 1994.
- United Nations Educational, Scientific and Cultural Organization (UNESCO). "Le développement durable grâce à l'éducation relative à l'environnement." *Connexion 13.2*. New York, NY: June, 1988.
- Wolfe, E., C. Clancy, G. Jasper, D. Lindenberg, D. Lynn, F. Mustoe, and R. Smythe. *Sciencepower 9: Science, Technology, Society, Environment*. Toronto, ON: McGraw-Hill Ryerson Limited, 1999.
- World Commission on Environment and Development. *Our Common Future*. New York, NY: Oxford University Press, 1987.