

# **Chemistry**

## **Course of Study**

### **Resource List**

Prepared for the Curriculum Council  
by  
CURRICULUM MATERIALS INFORMATION SERVICES  
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# CHEMISTRY COURSE OF STUDY

## RESOURCES

This list of resources was prepared by officers from the Curriculum Standards Directorate (Curriculum Materials Information Services) in the Department of Education and Training. The list is presented in two parts:

**Part One:** Books, Computer Software

**Part Two:** Websites

Further details of each item can be found online on the CMIS Resource Bank, which is an online database. Links to this have been made from a Chemistry Course of Study webpage at:

[www.eddept.wa.edu.au/cmis/eval/curriculum/courses/chemistry](http://www.eddept.wa.edu.au/cmis/eval/curriculum/courses/chemistry)

In this database all of the Chemistry resources have also been linked to specific content or outcomes and can be accessed under these headings. The webpage also contains a list of Suppliers, Key Documents and Key Websites for quick access.

## PART ONE

### PRINT AND COMPUTER SOFTWARE

***Australian chemistry resource book*** / edited by C.L. Fogliani.  
[Melbourne] : Royal Australian Chemical Institute, 1986- .

***Australian chemistry resource book. Vol. 18, 1999*** / edited by C.L. Fogliani.  
Bathurst, N.S.W. : Chemical and Scientific Aid Co-operative, Charles Sturt University-Mitchell, 1999.

#### **Bialy, Louis**

***Chemistry contexts. 1. Lab manual*** / Louis Bialy.  
South Melbourne : Pearson Education Australia, 2001.  
0-7339-2530-8

***Chemistry contexts. 1. Teacher's resource CD*** [electronic resource] / Louis Bialy, Robyn Faulkner.  
South Melbourne : Pearson Education Australia, 2001.  
0-7339-2071-3

***Chemistry contexts. 2. Lab manual*** / Louis Bialy, Deborah Vitlin.  
South Melbourne : Pearson Education Australia, 2002.  
0-7339-2812-9

***Chemistry contexts. 2. Teacher's resource CD*** [electronic resource] / Louis Bialy ... [and others].  
South Melbourne : Pearson Education Australia, 2002.  
0-7339-2657-6

#### **Borrows, Peter**

***A Level chemistry : structured questions.***  
Glasgow : Blackie, 1978.  
0-216-90511-7

## CHEMISTRY COURSE OF STUDY

### RESOURCES

***Chemical connections. 1 : VCE chemistry units 1 & 2*** / Maria James ... [and others].

Milton, Qld. : Jacaranda, 1999.  
0-7016-3415-4

***Chemical connections. 2 : VCE chemistry units 3 & 4*** / Maria James ... [and others].

Milton, Qld. : John Wiley & Sons Australia, 2000.  
0-7016-3438-3

***Chemical storylines*** / central team, George Burton ... [and others].

Oxford : Heinemann, 2000.  
0-435-63119-5

***Chemistry*** / Stan Cooper ... [and others].

Oxford : Heinemann Educational, 1992.  
0-435-57541-4

***Chemistry in use. Book 1*** / Deb Smith ... [and others].

Sydney : McGraw-Hill, 2006 [i.e. 2005]  
0-07-471408-2

***Chemistry laboratory manual for senior secondary school*** / edited by Patrick J. Garnett, John D. Anderton and Pamela J. Garnett ; [illustrated by Chris Hurley].

South Melbourne : Longman, 1998.  
0-7339-0166-2

***Chemistry of carbon*** [videorecording] / producer/script, John Davis.

Warriewood, N.S.W. : Classroom Video, 2005.

**Crocker, Glenis**

***Essential chemistry*** / Glenis Crocker.

Melbourne : Oxford University Press, 1995.  
0-19-553443-3

**Derry, Nicholas.**

***Chemistry. Units 1+2*** / Nicholas Derry, Lanna Derry.

Melbourne : Longman, 2000.  
0-7339-0250-2

***Elements of chemistry : earth air fire & water. Volume 2*** / supervising editor R.B. Bucat.

Canberra : Australian Academy of Science, 1984.  
0-85847-114-0

**Failes, Robert**

***Chemistry : the elements of life*** / Robert Failes, Donald Hughes.

South Melbourne : Oxford University Press Australia, 1993.  
0-19-553396-8

## CHEMISTRY COURSE OF STUDY

### RESOURCES

#### **Gallagher, RoseMarie**

**Chemistry** / RoseMarie Gallagher, Paul Ingram, Peter Whitehead.  
Oxford : Oxford University Press, 1996.  
0-19-914652-7

**Chemistry for Higher Tier** / RoseMarie Gallagher, Paul Ingram.  
Oxford : Oxford University Press, 2001.  
0-19-914817-1

**Complete chemistry** / RoseMarie Gallagher, Paul Ingram.  
Oxford : Oxford University Press, 2000.  
0-19-914799-X

#### **Garnett, Pat**

**Foundations of chemistry** / edited by P.J. Garnett.  
Melbourne : Longman Cheshire, 1996.  
0-582-80673-9

#### **Gribben, Peter**

**Assignments in chemistry. Book 1** / Peter Gribben & Wendy St Germain.  
Clayton South, Vic : Blake Education, 2005.  
1-86509-703-9

**Assignments in chemistry. Book 2** / Peter Gribben & Wendy St Germain.  
Clayton South, Vic : Blake Education, 2005.  
1-86509-704-7

**Assignments in chemistry. Book 3** / Peter Gribben & Wendy St Germain.  
Clayton South, Vic : Blake Education, 2005.  
1-86509-714-4

**Interpreting data in chemistry. Book 2** / Peter Gribben.  
Strathfield, NSW : Emerald City, 1999.  
1-87613-351-1

#### **Heffernan, David**

**Spotlight chemistry. HSC** / David Heffernan, Peter Loucopoulos, Peter Carson.  
Marrickville, NSW : Science Press, 2005 [i.e. 2004]  
0-85583-388-2

#### **Herr, Norman**

**Hands-on chemistry activities with real-life applications** / Norman Herr, James Cunningham.  
West Nyack, N.Y. : Center for Applied Research in Education, 1999.  
0-87628-262-1

#### **Hunter, Robert J.**

**Chemical science : a course in chemistry** / by Robert J. Hunter, Peter G. Simpson, Alexander Boden.  
Marrickville, NSW : Science Press, 1990.  
0-85583-169-3

## CHEMISTRY COURSE OF STUDY

### RESOURCES

#### **Irwin, Debbie**

***Chemistry contexts. 1*** / Debbie Irwin, Ross Farrelly, Patrick Garnett.  
Sydney : Longman, 2001.  
0-7339-2070-5

***Chemistry contexts. 2*** / Debbie Irwin ... [and others].  
Sydney : Longman, 2001.  
0-7339-2190-6

#### **Jones, Mary**

***Chemistry*** / Mary Jones, Geoff Jones & David Acaster.  
Cambridge : Cambridge University Press, 1997.  
0-521-59983-0

#### **Lewis, Michael**

***Chemistry through diagrams*** / Michael Lewis.  
Oxford : Oxford University Press, 2001.  
0-19-914198-3

#### **Lucarelli, Nick**

***Problems in chemistry. Book one*** / Nick Lucarelli.  
Willetton, WA : Lucas, 1999.  
0-9585253-1-5

***Problems in chemistry. Book two*** / Nick Lucarelli.  
Willetton, WA : Lucas, 2000.  
0-9585253-2-3

#### **McGrayne, Sharon Bertsch**

***Prometheans in the lab : chemistry and the making of the modern world*** /  
Sharon Bertsch McGrayne.  
New York : McGraw-Hill, 2001.  
0-07-140795-2

#### **Owen, Roger**

***Chemistry at a glance*** / Roger Owen, Sue King ; illustrations by Cathy Martin.  
London : Manson, 2005.  
1-8407-6039-7

#### **Parkes, Dorothy**

***Heinemann science in context 4*** / Dorothy Parkes.  
Port Melbourne : Heinemann Education, 1993.  
0-85859-597-4

#### **Sacks, Oliver**

***Uncle Tungsten : memories of a chemical boyhood*** / Oliver Sacks.  
London : Picador, 2002.  
0-330-39028-7

#### **Selinger, Ben**

***Chemistry in the marketplace*** / Ben Selinger.  
Sydney : Harcourt Brace, 1998.  
1-86508-255-4

## CHEMISTRY COURSE OF STUDY

### RESOURCES

***Spotlight chemistry. Preliminary*** / Richard Alliband ... [and others].  
Marrickville, N.S.W. : Science Press, 2004.  
0-85583-365-3

**Wilkinson, John W.**

***World of chemistry. Book 1. Practical manual*** / John W. Wilkinson, Barry J. Nash.  
South Melbourne : Macmillan, 1989.  
0-333-50285-X

***World of chemistry. Book 2. Practical manual*** / John W. Wilkinson.  
South Melbourne : Macmillan, 1990.  
0-7329-0174-X

***World of chemistry. Books 1 & 2*** / John W. Wilkinson, Barry J. Nash.  
South Melbourne : Macmillan, 1991.  
0-7329-1307-1

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### PART TWO

#### WEBSITES

**About chemistry [website].**

New York, N.Y. : About.com, 2005-

<http://chemistry.about.com/>

**Acid-base indicators [website].**

Frostburg, Md. : Frostburg State University, 2001-

<http://antoine.frostburg.edu/chem/senese/101/acidbase/indicators.shtml>

**The Aquabrite system [website] /** Chedzoy, R.L., Craiger, E.J., Hakimi, F.

Brookvale, N.S.W. : Aquamatics, 2005-

[http://www.aquamatics.com.au/poolaquamatics\\_technical.htm](http://www.aquamatics.com.au/poolaquamatics_technical.htm)

**Australian Science Teachers Association [website] : promoting our profession enriching science teaching.**

Deakin, ACT : ASTA, 1999- .

<http://www.asta.edu.au/home>

**Beginner FAQ [website] : practical water chemistry.**

[United States] : Aquaria FAQs, 2005-

<http://faq.thekrib.com/begin-chem.html>

**A brief history of drinking water [website] /** by Ellen L. Hall and Andrea M. Dietrich.

Rhode Island : State of Rhode Island Water Resources Board, 2004-

<http://www.wrb.state.ri.us/programs/eo/historydrinkingwater.htm>

**Chemistry daily [website] : the chemistry encyclopedia.**

[United States] : ChemistryDaily.com, [200-?]-

<http://www.chemistrydaily.com/#chemdaily>

## CHEMISTRY COURSE OF STUDY

### RESOURCES

**Chemistry of everyday life [website] : frequently asked questions.**

Frostburg, Md. : Frostburg State University, 2005-

<http://antoine.frostburg.edu/chem/senese/101/consumer/faq.shtml>

**The chemistry of fire and other oxidation reactions [website] / Barbara Pawela.**

Chicago, Ill. : Smile Program, [200-?]-

<http://www.iit.edu/~smile/ch96m3.html>

**The chemistry of water [website] / Jill Granger.**

Sweet Briar, Va. : Sweet Briar College, 1999-

<http://witcombe.sbc.edu/water/chemistry.html>

**Chemistry programs [website].**

Eden Prairie, Minn. : Simtel, 2005-

[http://www.drn.digitalriver.com/category.php\[id\]43\[SiteID\]simtel.net](http://www.drn.digitalriver.com/category.php[id]43[SiteID]simtel.net)

**ChemistryGeek.com [website] : Mr. Rapp's chemistry help site / Neil Rapp.**

Bloomington, Ind. : Bloomington High School South, Science Department, 2005-

<http://www.chemistrygeek.com/>

**ChemLin virtual chemistry library [website] : branches of chemistry.**

Oldenburg, Germany : Digitalverlag GmbH, 2005-

[http://www.chemlin.de/chemistry/chemistry\\_branches.htm](http://www.chemlin.de/chemistry/chemistry_branches.htm)

**ChemSoc [website] : the RSC's chemical science network.**

Cambridge : Royal Society of Chemistry, 2005-

<http://www.chemsoc.org/>

**Cooking science archive [website].**

Brunswick, Me. : Food News Service, 2001-

<http://www.ochef.com/Science.htm>

**CSIRO Education [website] : Commonwealth Scientific & Industrial Research Organisation.**

Campbell, ACT : CSIRO, 1997-

<http://www.csiro.au/index.asp?type=educationIndex>

**CSIROOnline [website] : Commonwealth Scientific & Industrial Research Organisation.**

Clayton South, Vic : CSIRO Australia, 1997-

<http://www.csiro.au/index.asp>

**Infostead Australia's chemistry collection [website] : a touch of chemistry : a comprehensive directory of links for all those with an interest in chemistry.**

Australia : Swanny's Swaggy, 1996-

<http://members.optushome.com.au/kswans/chemistry.html>

**Introduction to forensic science and laboratory syllabus [electronic resource]**

Kansas City Kansas City Kansas Community College 2005

<http://www.kckcc.edu/syllabi/doc/CHEM0101.DOC>

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### RESOURCES

**Kitchen chemistry [website].**

Pittsburgh : Pittsburgh Teachers Institute, 2001-  
[http://banyan.chatham.edu/pti/Kitchen\\_Chem/abstract\\_page.htm](http://banyan.chatham.edu/pti/Kitchen_Chem/abstract_page.htm)

**MRHS chemistry website [website].**

Montague, P.E.I. : Montague Regional High School, 2005-  
<http://www.edu.pe.ca/montaguehigh/grass/science/chem/notes/chem.htm>

**MSDS.com.au [website] : Materials Safety Data Sheets Australia.**

Deakin, A.C.T. : MSDS.com.au, 2005-  
<http://www.msds.com.au/>

**Polymer discovery [website] : online HSC resources.**

[Sydney] : Key Centre for Polymer Colloids, 1999-  
<http://www.kcpc.usyd.edu.au/discovery/Syllabus.html>

**Pond water chemistry [website] / by Norm Meck.**

San Diego : Koi Club, 1996-  
[http://www.vcnet.com/koi\\_net/H2Oquality.html](http://www.vcnet.com/koi_net/H2Oquality.html)

**Poolandspa.com [website] : swimming pool water chemistry.**

[United States] : Poolandspa.com, 2005-  
<http://www.poolandspa.com/page780.htm>

**Pools and spas [website].**

[Australia] : TPS, 2003-  
<http://www.tps.com.au/pools/index.htm>

**Public swimming pool and spa pool guidelines [website].**

[Sydney] : NSW Health, 1996-  
<http://www.health.nsw.gov.au/public-health/ehb/general/pools/poolguidelines.pdf>

**Putting on a good face [website] : the chemistry of cosmetics.**

Canberra Australian Academy of Science, 2004-  
<http://www.science.org.au/nova/083/083key.htm>

**Resources for chemistry [website].**

Saint Peter, Minn. : Folke Bernadotte Memorial Library, Gustavus Adolphus College, 2004-  
<http://www.gustavus.edu/oncampus/academics/library/subjectguides/chemistry.html>

**Royal Australian Chemical Institute [website].**

North Melbourne : Royal Australian Chemical Institute, 2005-  
<http://www.raci.org.au/index.html>

**The science of cooking [website].**

San Francisco, Calif. : Exploratorium, [200-?]-  
<http://www.exploratorium.edu/cooking/>

**ScienceLynx [website] : useful science websites for teachers.**

Melbourne : Curriculum Corp., 2005-  
<http://www.curriculum.edu.au/science/>

## CHEMISTRY COURSE OF STUDY

### RESOURCES

**Water chemistry [website]** / Chung Chieh.

Ontario : Faculty of Science, University of Waterloo, 2005-

<http://www.science.uwaterloo.ca/~cchieh/cact/applychem/waterchem.html>

**Water chemistry for swimming pools [website].**

Raleigh, N.C. : Division of Environmental Health, North Carolina Department of Environmental and Natural Resources, 2005-

<http://www.deh.enr.state.nc.us/ehs/chem.htm>