

# **Biological Sciences**

## **Course of Study**

### **Resource List**

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by  
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## BIOLOGICAL SCIENCES 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, Videos, Journals, DVDs, 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 Biological Sciences Course of Study webpage at:

<http://www.eddept.wa.edu.au/cmisis/eval/curriculum/courses/biology/index.htm>

In this database, all of the Biological Sciences 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 TWO

#### WEBSITES

**A biodiversity audit of Western Australia's 53 biogeographic subregions in 2002 [website].**

[Perth] : Department of Conservation and Land Management, 2005-

[http://www.calm.wa.gov.au/science/bio\\_audit/](http://www.calm.wa.gov.au/science/bio_audit/)

**ActionBioscience.org [website].**

Washington, D.C. : American Institute of Biological Sciences, 2000-

<http://www.actionbioscience.org/index.html>

**Animal diversity web [website].**

Ann Arbor, Mich. : Museum of Zoology, University of Michigan, 2005-

<http://animaldiversity.ummz.umich.edu/site/index.html>

**AS guru biology [website] / consultant and writer Bill Indge.**

[Great Britain] : BBC, 2005-

<http://www.bbc.co.uk/education/asguru/biology/intro.shtml>

**Australian Academy of Science [website].**

Canberra : Australian Academy of Science, 2002-

<http://www.science.org.au/aashome.htm>

**Australian environmental education network [website].**

Canberra : Dept. of the Environment and Heritage, [2000- ].

<http://www.ea.gov.au/education/>

**The Australian Forestry Standard [website].**

Yarralumna, ACT : Australian Forestry Standard, 2005-

<http://www.forestrystandard.org.au/>

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### RESOURCES

**Australian museum online [website].**

Sydney : Australian Museum, 1998-  
<http://www.amonline.net.au/index.cfm?>

**Australian natural resources atlas [website].**

Turner, ACT. : National Land and Water Resources Audit, 2001-  
[http://audit.ea.gov.au/anra/atlas\\_home.cfm](http://audit.ea.gov.au/anra/atlas_home.cfm)

**Australian Stem Cell Centre [website].**

Clayton, Vic. : Australian Stem Cell Centre, 2005-  
[http://www.nsccl.edu.au/ascc\\_home.html](http://www.nsccl.edu.au/ascc_home.html)

**Australia's biodiversity [website].**

Sydney : Australian Museum, 2005-  
<http://www.austmus.gov.au/biodiversity/>

**Biochem4schools [website].**

London : Biochemical Society, [2005?]-  
<http://www.biochem4schools.com/>

**Biocontrol [website] : an overview of biological control research in CSIRO Entomology.**

Clayton South, Vic. : CSIRO Entomology, 1997-  
<http://www.ento.csiro.au/biocontrol/index.html>

**Biodiversity - SCAR RISSC program [website].**

Canberra : Australian Antarctic Data Centre, 2005-  
[http://aadc-maps.aad.gov.au/aadc/biodiversity/taxon\\_drilldown.cfm](http://aadc-maps.aad.gov.au/aadc/biodiversity/taxon_drilldown.cfm)

**Biodiversity [website] / Department of the Environment and Heritage.**

Canberra : The Dept., 2005-  
<http://www.deh.gov.au/biodiversity/index.html>

**BioEd Online [website].**

Houston, Tex. : Baylor College of Medicine, 2004-  
<http://www.bioedonline.org/>

**Biointeractive [website].**

[United States] : Howard Hughes Medical Institute, 2005-  
<http://www.hhmi.org/coolscience/>

**BioLogica [website] : a systems approach for learning science.**

Concord, Mass. : Concord Consortium, 2000-  
<http://biologica.concord.org/>

**Biological sciences resource guide [website].**

Newcastle : University of Newcastle, 2005-  
<http://www.newcastle.edu.au/service/library/subject/biosci/internet.html>

**Biology meets industry [website] : genomics, proteomics, phenomics.**

Canberra Australian Academy of Science, 2004-  
<http://www.science.org.au/nova/078/078key.htm>

## BIOLOGICAL SCIENCES COURSE OF STUDY

### RESOURCES

**The biology place [website].**

Upper Saddle River, N.J. : Peason Prentice Hall, 2005- .  
[http://www.phschool.com/science/biology\\_place/index.html](http://www.phschool.com/science/biology_place/index.html)

**The biology project [website] : an online interactive resource for learning biology .**

Tucson : University of Arizona, 1999.  
<http://www.biology.arizona.edu/>

**Biology tutorials [website].**

[United States] : Biology Online, 2005- .  
<http://www.biology-online.org/tutorials/home.htm>

**Biology4all [website].**

Preston : Department of Biological Sciences, University of Central Lancashire, 2005-  
<http://www.biology4all.com/>

**Biotechnology online [website].**

[Canberra?] : Biotechnology Australia, 2001-  
<http://www.biotechnology.gov.au/biotechnologyOnline/>

**BioWeb [website].**

Auckland : Computer Plus, 2005-  
<http://www.win.co.nz/bioweb/index.html>

**Biozone [website].**

Hamilton N.Z. : Biozone International, 2005- .  
<http://www.biozone.co.uk/>

**Carbon neutral [website] : a Men of the Trees program.**

Floreat Forum, W.A. : Men of the Trees, 2002- .  
<http://www.carbonneutral.com.au/>

**Catalyst [website].**

[Sydney] : ABC, 2005-  
<http://www.abc.net.au/catalyst/>

**Cell biology animation [website] / [John Kyrk].**

San Francisco, Calif. : J. Kyrk, 2005-  
<http://www.johnkyrk.com/>

**Cells alive! [website].**

Charlottesville, Va: Quill Graphics, 2000.  
<http://www.cellsalive.com/>

**Centers for Disease Control and Prevention [website] : Department of Health and Human Services.**

[Washington, D.C.] : Department of Health and Human Services, 2003-  
<http://www.cdc.gov/>

## BIOLOGICAL SCIENCES COURSE OF STUDY

### RESOURCES

**Classification of living things [website] : an introduction to the principles of taxonomy with a focus on human classification categories /** created and maintained by Dennis O'Neil.

San Marcos, Calif. : Behavioral Sciences Dept., Palomar College, 2005- .  
<http://anthro.palomar.edu/animal/default.htm>

**Coasts and Marine Schools Project [website].**

[Mackay, Qld.] : MESA, 2005-  
<http://www.mesa.edu.au/cams/>

**The Conservation Council of Western Australia [website].**

West Perth : Conservation Council of Western Australia, 2005-  
<http://www.conservationwa.asn.au/>

**Coral reefs [website].**

Wheeling, W.Va : Wheeling Jesuit University/NASA Classroom of the Future, 2004-  
<http://www.cotf.edu/ete/modules/coralreef/CRmain.html>

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

Campbell, ACT : CSIRO, 1997-  
<http://www.csiro.au/index.asp?type=educationIndex>

**CSIRO feature articles [website].**

Clayton, Vic. : CSIRO Australia, 1997-  
<http://www.csiro.au/index.asp?type=media&xml=/newsline/featureArticles/index.xml&stylesheet=mediaFeatureArticles2>

**CSIRO Marine and Atmospheric Research [website].**

Hobart : CSIRO Marine and Atmospheric Research, 2005-  
<http://www.cmar.csiro.au/>

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

Clayton South, Vic. : CSIRO Australia, 1997-  
<http://www.csiro.au/index.asp>

**Department of Agriculture, Fisheries and Forestry [website].**

Barton, ACT : Department of Agriculture, Fisheries and Forestry, 2005-  
<http://www.daff.gov.au/>

**Department of Agriculture, Western Australia [website].**

Bentley, WA : Dept. of Agriculture, [2004]-  
<http://www.agric.wa.gov.au>

**Department of the Environment and Heritage [website].**

Canberra : The Dept., 2005- .  
<http://www.deh.gov.au/index.html>

**DNA science for VCE biology [website].**

Melbourne : Walter and Eliza Hall Institute of Medical Research, 2004- .  
[http://www.wehi.edu.au/resources/vce\\_biol\\_science/index.html](http://www.wehi.edu.au/resources/vce_biol_science/index.html)

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### RESOURCES

**Dr. C's remarkable ocean world [website].**

[Fullerton, Calif. : Fullerton College?], 2005-  
<http://www.oceansonline.com/library.htm>

**Dryland salinity context [website] : Western Australia.**

Turner, ACT : National Land and Water Resources Audit, 2005-  
[http://audit.ea.gov.au/ANRA/land/land\\_frame.cfm?region\\_type=WA&region\\_code=WA](http://audit.ea.gov.au/ANRA/land/land_frame.cfm?region_type=WA&region_code=WA)

**Entomology [website].**

Sydney : School of Biological Sciences, University of Sydney, 2004-  
<http://bugs.bio.usyd.edu.au/Entomology/introduction.html>

**Environmental Protection Authority [website] : welcome to the website of the Environmental Protection Authority of Western Australia.**

Perth : Environmental Protection Authority, 1998-  
<http://www.epa.wa.gov.au/>

**Environmental studies [website].**

Darlinghurst, NSW : TAFE NSW, 2005-  
<http://tafe.angis.org.au/enviro/index.html>

**Evolution [website] : a journey into where we're from and where we're going.**

[Boston] : WGBH Educational Foundation, 2001- .  
<http://www.pbs.org/wgbh/evolution/>

**Exploratorium [website] : the museum of science, art and human perception.**

San Francisco, Calif. : Exploratorium, 2003-  
<http://www.exploratorium.org>

**Feral.org.au [website].**

Canberra : Pest Animal Control CRC, 2004-  
<http://www.feral.org.au/>

**Food webs [website].**

Moorabbin, Vic. : Gould League, 1999-  
<http://www.gould.edu.au/foodwebs/>

**Gene Technology Access Centre [website].**

Parkville, Vic. : Gene Technology Access Centre, 2005- .  
<http://www.gtac.edu.au/site/home.html>

**Gene technology in Australia [website].**

[Australia] : CSIRO Australia, 2000-  
<http://genetech.csiro.au/>

**Genetics Australia [website] : Australia's leader in the supply of genetics to the cattle breeding industry.**

Bacchus Marsh, Vic. : Genetics Australia, 1998-  
<http://www.genaust.com.au/>

**Genomics [website] : GTL : systems biology for energy and environment.**

Washington, D.C. : U.S. Department of Energy, Office of Biological & Environmental Research, 2005-  
<http://doegenomestolife.org/>

## BIOLOGICAL SCIENCES COURSE OF STUDY

### RESOURCES

**The GLOBE Program [website] : an exciting worldwide, hands-on education and science program.**

[United States] : GLOBE Program, [2000?]-

<http://www.globe.gov/>

**Great Barrier Reef [website].**

[Brisbane] : Environmental Protection Agency, 2000-

[http://www.epa.qld.gov.au/environmental\\_management/coast\\_and\\_oceans/great\\_barrier\\_reef/](http://www.epa.qld.gov.au/environmental_management/coast_and_oceans/great_barrier_reef/)

**The Great Barrier Reef Marine Park [website] : the gateway for information about the Great Barrier Reef and world heritage area.**

[Townsville, Qld.] : Great Barrier Reef Marine Park Authority, 1999-

<http://www.gbrmpa.gov.au/>

**Greening Australia [website].**

Yarralumla, A.C.T. : Greening Australia, 2005-

<http://www.greeningaustralia.org.au/GA/NAT/>

**Herdsman Lake Wildlife Centre [website].**

Wembley, W.A. : W.A. Gould League, 2003-

<http://www.wagouldleague.com.au/>

**How stuff works [website] / by Marshall Brain.**

Raleigh, N.C. : BYG, 1998-

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

**The interactive fly [website] : a cyberspace guide to drosophila development and metazoan evolution / Thomas B. Brody.**

[United States] : Society for Developmental Biology, 2006-

<http://www.sdbonline.org/fly/aimain/1aahome.htm>

**Internet Public Library [Life sciences] [website].**

Michigan : School of Information, University of Michigan, 2001-

<http://www.ipl.org/div/subject/browse/sci36.00.00/>

**The lab [website].**

[Sydney] : ABC, 2002-

<http://www.abc.net.au/science/>

**Landcare in your hands [website].**

Northam, W.A. : Avon Catchment Network, [2003]-

<http://www.eddept.wa.edu.au/deo/midlands/Landcare/liyh/>

**Local environment [website].**

Sydney : UniServe Science, University of Sydney, 1997-

<http://science.uniserve.edu.au/school/curric/stage6/snrsci/localenv.html>

**MarineBio.org [website].**

[United States] : MarineBio.org, 2005-

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

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**Millennium Seed Bank Project Western Australia [website].**

Kew : Royal Botanic Gardens, [2004- .]

<http://www.rbqkew.org.uk/msbp/internat/australia.html>

**NatureBase [website] : Department of Conservation and Land Management online.**

Crawley, [WA] : The Dept., 1998- .

<http://www.naturebase.net>

**New Scientist.com [website].**

[London] : Reed Business Information, 2002-

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

**Nova [website] : science in the news.**

Canberra : Australian Academy of Science, 2002-

<http://www.science.org.au/nova/index.htm>

**Online biology dictionary [website].**

[U.S.] : Biology-Online.org, 2004-

<http://www.biology-online.org/dictionary.asp>

**PestWeb [website].**

[South Perth] : Agriculture Western Australia, [200?- ]

<http://agpsprv34.agric.wa.gov.au/ento/pestweb/default.idc>

**Plant conservation**

Sydney : Botanic Gardens Trust, [2001-]

[http://www.rbg Syd.nsw.gov.au/conservation\\_research/plant\\_conservation](http://www.rbg Syd.nsw.gov.au/conservation_research/plant_conservation)

**Public library of science [website].**

San Francisco, Calif. : PLoS, 2005-

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

**Reef Education Network [website].**

[Queensland] : University of Queensland, 2001-

<http://www.reef.edu.au/>

**Ribbons of blue [website] : welcome to Ribbons of blue/Waterwatch WA.**

East Perth : The Commission, 1998-

<http://www.wrc.wa.gov.au/ribbons/>

**Rica Erickson [website].**

Perth : LISWA, 2001-

<http://www.liswa.wa.gov.au/erickson/index.html>

**Run rabbit run! [website] : the story of rabbits in Western Australia.**

Haymarket, NSW : AMOL, 2002-

<http://amol.org.au/runrabbitrun/index.htm>

**Schools Animal Ethics web site [website].**

East Perth : Schools Animal Ethics Committee, 2002-

<http://www.animaethics.wa.edu.au>

## BIOLOGICAL SCIENCES COURSE OF STUDY

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**ScienceDaily [website].**

Chevy Chase, Md. : ScienceDaily, 1995-  
<http://www.sciencedaily.com/>

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

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

**ScienCentral news [website] : making sense of science.**

New York : ScienCentral, 2000-  
<http://www.sciencentral.com/>

**Science News for Kids**

Washington, DC : Science Service, 2006-  
<http://www.sciencenewsforkids.org/>

**Scientific American.com [website].**

[New York] : Scientific American, 1996-  
<http://www.sciam.com/>

**The scientific method [website] / J. Stein Carter.**

Cincinnati, Ohio : University of Cincinnati, Clermont College, 2004-  
[http://www.biology.clc.uc.edu/courses/bio104/sci\\_meth.htm](http://www.biology.clc.uc.edu/courses/bio104/sci_meth.htm)

**The shape of life [website].**

Monterey, Calif. : Sea Studios Foundation, 2002.  
<http://www.pbs.org/kcet/shapeoflife/index.html>

**Sustainable ecosystems [website].**

Alice Springs, N.T. : CSIRO, Centre for Arid Zone Research, 2006-  
<http://www.cazr.csiro.au/>

**Swan River Trust educational resource sheets [website].**

East Perth : Swan River Trust, 1997-  
[http://portal.environment.wa.gov.au/portal/page?\\_pageid=973.2910618&\\_dad=portal&\\_schema=PORTAL](http://portal.environment.wa.gov.au/portal/page?_pageid=973.2910618&_dad=portal&_schema=PORTAL)

**Teacher's domain [website] : multimedia resources for the classroom and professional development.**

Boston : WGBH, 2003-  
<http://www.teachersdomain.org/>

**Tree of Life Web Project [website].**

Tucson, AZ : University of Arizona, [1995-]  
<http://tolweb.org/tree/>

**UNEP-WCMC species database [website].**

[United States?] : UNEP, 2004-  
<http://www.unep-wcmc.org/index.html?http://www.unep-wcmc.org/species/dbases/fauna/index.htm~main>

**Virology down under [website].**

Brisbane, Qld. : University of Queensland, 1997-  
<http://www.uq.edu.au/vdu/>

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**Water Corporation [website].**

Leederville, W.A. : The Corporation, 1999- .  
<http://www.watercorporation.com.au/index.cfm>

**Western Australian Herbarium (PERTH) [website].**

Perth : Western Australian Herbarium, 1998-  
<http://science.calm.wa.gov.au/herbarium/>

**Western Australian Museum [website].**

Perth : The Museum, 1997- .  
<http://www.museum.wa.gov.au/>

**Western Australian Museum's FaunaBase and WA FaunaList [website].**

Perth, W.A. : Western Australian Museum, 2006-  
<http://www.museum.wa.gov.au/faunabase/prod/index.htm>

**Western Australian State of the Environment [website].**

Perth : Environmental Protection Authority, 1998-  
[http://portal.environment.wa.gov.au/portal/page?\\_pageid=673,1&\\_dad=portal&\\_schema=PORTAL](http://portal.environment.wa.gov.au/portal/page?_pageid=673,1&_dad=portal&_schema=PORTAL)

**Wildlife research [website].**

Collingwood, Vic. : CSIRO, 1996-  
<http://www.publish.csiro.au/nid/144.htm>

**Xplora [website].**

[Europe] : Xplora.org, 2006-  
<http://www.xplora.org/ww/en/pub/xplora/index.htm>