

New Resources

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**Updates**

We wish you all a successful and satisfying 2005. Below are the new resources for the Library Webs collection as well as information on updates and upgrades.

**NEW RESOURCES**

**SCIENCE**

**Famous Scientists Series:** Four new Topics have been added to our initial Topic, *Australian Scientists* which now has a new section on Dr Fiona Wood, winner of the 2005 Australian of the Year Award. The new Topics are described below. The sections dealing with particular scientists are arranged in chronological order so that students can see how the science has developed over time and how each generation of scientists built on the discoveries (and mistakes) of those who came before them.

**Astronomers and Astrophysicists**

The development of astronomical studies from early times to the present is covered here. The opening section contains sites on the history of astronomy, plus collections of biographies. Several astronomers are highlighted and have sections to themselves. Currently the list includes Nicolaus Copernicus, Tycho Brahe, Galileo Galilei, Johannes Kepler, Christiaan Huygens, Edmond Halley, William and Caroline Herschel, Maria Mitchell, Henrietta Leavitt, Henry Norris Russell, Edwin Powell Hubble, Cecilia Payne-Gaposchkin, George Gamow and Stephen Hawking. Lesson plans and other activities are found in the final section, For Teachers.

**Physicists**

This selection of sites gives students an overview of the major figures in physics over time. The first section has a long list of links to biographical collections and sites dealing with the history of specific branches of physics, like electromagnetism and radioactivity. A selection of physicists are given special attention. At present the list includes William Gilbert, Isaac Newton, Benjamin Franklin, Alessandro Volta, Michael Faraday, James Prescott Joule, Alexander Graham Bell, Thomas Alva Edison, Marie Curie, Ernest Rutherford, Lise Meitner, Albert Einstein, Robert Goddard, Niels Bohr, Enrico Fermi and Andrei Dimitrivich Sakharov. Teachers will find some excellent ideas for classroom and library use in the last section.

**Chemists**

This collection of links starts with a lengthy list of biographical sites dealing with all the big names in chemistry from ancient times to the present. If students are unable to find their chosen scientist in the following sections, they will surely find research material here. The other chemists currently covered in depth are Robert Boyle, Georg Stahl, Henry Cavendish, Joseph Priestley, Antoine-Laurent Lavoisier, John Dalton, Humphry Davy, Alfred Bernhard Nobel, Dmitri Ivanovich Mendeleev, Jacobus Henricus Van't Hoff, Svante August Arrhenius, Dorothy Crowfoot Hodgkin, Linus Carl Pauling, and Stephanie L. Kwolek. The

section, For Teachers, contains webquests, teachers' notes and lesson plans relevant to the topic.

**Biologists**

This topic again starts with a list of biographical sites on biologists and is followed by in-depth studies of particular scientists arranged in chronological order. The featured biologists are William Harvey, Antoni van Leeuwenhoek, Jean-Baptiste de Lamarck, Edward Jenner, Charles Darwin, Gregor Johann Mendel, Louis Pasteur, Alexander Fleming, Barbara McClintock, Rachel Carson, Jonas Salk, Rosalind Franklin, and James Watson. The For Teachers section has ideas for activities and workshops for classroom application.

**ART**

Three new Art topics have been added, providing Senior Art students and their teachers with a wealth of excellent material, carefully selected and arranged for easy access. While several of the featured artists (e.g. Picasso) are not limited to one particular style, they have been highlighted in the area for which they were most famous, or where they exerted the most influence.

**The Fauves**

The first section, Fauvism 1905-1908, sets this movement in its historical and cultural context so that students can understand how it was influenced by previous movements and how it, in turn, set the scene for other ideas in modern art to emerge. Several of the more prominent artists are then given special

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coverage: Henri Matisse, Henri Manguin, Albert Marquet, Maurice de Vlaminck, Raoul Dufy, Kees Van Dongen, Othon Friesz, Charles Camoin and Andre Derain. In the For Teachers section at the end, teachers can find ideas for lessons and activities.

### **Surrealism in Art**

A lengthy list of sites dealing with surrealism gives students an overall idea of this controversial movement and its impact on society and modern art. Specific artists are covered in the sections which follow: Marc Chagall, Giorgio de Chirico, Max Ernst, Joan Miro, Andre Masson, Paul Delvaux, Rene Magritte, Yves Tanguy, Salvadore Dali and Meret Oppenheim. Ideas for lesson plans and classroom activities are available in the final section, For Teachers.

### **Cubist painting**

The first section deals with Cubism in a general way, and is followed by sections on specific artists of note: Piet Mondrian, Fernand Leger, Pablo Picasso, Georges Braque, Juan Gris and Marcel Duchamp. As usual, the For Teachers section provides teachers with the opportunity to share in the successful ideas and inspirations of other educators.

### **LITERATURE**

We are planning to expand our literature category this year and have made a start with 19th Century British Novelists, which will be of assistance to those working on "the classics".

### **19th Century British Novelists**

The general section at the beginning, 19th Century British Fiction, sets the development of the novel in its historical and social context, and also deals with authors who are not highlighted in the major sections of the Topic. The authors selected for in-depth coverage are arranged in chronological order and are as follows: Sir Walter Scott, Jane Austen, Elizabeth Gaskell, William Makepeace Thackeray, Charles Dickens, Anthony Trollope, the Bronte sisters Charlotte, Emily and

Anne, George Eliot, Charles Kingsley, George Meredith, and Robert Louis Stevenson. Teachers' guides for specific novels are available in the For Teachers section, as well as other materials to assist with teaching the classics to adolescents.

### **MODERN HISTORY**

Two new history topics are now available. They are designed for Senior Modern History students and give excellent coverage to major periods of the twentieth century.

#### **The Vietnam Wars: History**

This Topic contains an enormous number of high quality sites covering the background, the build-up and the course of the Vietnam War, and its aftermath. Several sections deal with key players in the conflict. The Topic is divided into the following sections

Vietnam - Background history, French Colonial Administration, World War II and Japanese Occupation, First Indo-China War 1946-1954, The Vietnam War - General sites, Ho Chi Minh and North Vietnam, Ngo Dinh Diem and South Vietnam, American Involvement, Australian and New Zealand Involvement in Vietnam, The Tet Offensive 1968, Nixon, Kissinger and "Vietnamization", Peace negotiations, The Final Conflict and the Fall of Saigon, and The Aftermath of Vietnam War. The final section, For Teachers, contains a long list of sites which offer assistance for teaching this topic.

#### **Stalin's Russia**

This period of social and economic upheaval is divided into sections which give students an overall view of life and politics in Russia during Stalin's dictatorship. The opening section contains general material about the life of Stalin from his boyhood to the end of his life. This is followed by sections dealing with his rise to dictatorship, his policy of Socialism in One Country, the Five Year Plans, collectivisation, the Great Terror, the Cultural Revolution, the arts in Stalinist Russia, the Cult of Personality, the Great Patriotic War and late Stalinism. The For Teachers section

contains lessons plans and web activities. This Topic will greatly assist teachers and students in the study of this complex period.

### **Updates**

The regular cycle of checking for dead links and redirected sites continues, so that the collection remains up-to-date and accurate. New links replace dead ones. If any of our users find a dead link, we would welcome being notified and we can attend to it quickly rather than wait until our staff reach it in the process of the regular update.

New sections have been added to several topics, the most recent being the December 2004 Tsunami Disaster (Earthquakes), Workplace Health and Safety (Industrial Relations in Australia) and Fiona Wood (Australian Scientists). Many new For Teachers sections have been added to topics which previously did not have them. Please notify your staff of the wonderful materials available to them, ideas for classroom use and online projects which have been tried and tested by other educators. Most teachers have huge workloads and it will be to their advantage to share in the work which others have already done.

### **NEW TOPICS**

We are currently working on the following which should be available during this Semester.

#### **Literature**

Science Fiction  
20th Century British Novelists  
20th Century Australian Novelists

#### **History**

Hitler's Germany

We look forward to working with you again in 2005 as we develop this resource

Library Webs Team

