

**Maths, Astronomy and Physics**

Architecture: Passive design  
Building a deck

**Life Sciences**

Assisted Reproductive  
Technologies  
Drugs and foetal development

**Arts, Music and Sports**

Adapted sports and games

**Literature**

Western Theatre History  
Australian Drama

**Modern World History**

World War 1: Causes

**New Sections**

Last term we added several new topics and a number of new sections to existing topics. Summaries of these new topics and sections are below.

All the best for another successful term.

**New Topics**

**Maths, Astronomy and Physics**

**Architecture: Passive design**

It has never been more important to design housing that is environmentally efficient. The resources listed here examine various factors which should be considered in architectural design to take advantage of positive environmental elements and reduce the impact of negative elements. A lengthy introductory section looks at passive design comprehensively. This is followed by sections which concentrate on orientation, passive solar heating and cooling, insulation, shading, thermal mass, ventilation, windows and glazing. A section containing house plans which incorporate passive design is included. Lesson plans are found at the end.



**Building a deck**

Created for Year 11 ITC students, this compilation makes building a deck seem so easy. It is guaranteed to enthuse home renovators. The topic is divided into the following areas: design, materials, construction, finishing, tools and a comprehensive section.

**Life Sciences**

**Assisted Reproductive  
Technologies**

There are many ways to make a baby and this topic highlights just a few, namely In Vitro Fertilisation, donor eggs/sperm/embryos, fertility drugs, Frozen Embryo Transfer, Gamete Intra-Fallopian Transfer, Intracytoplasmic Sperm Injection and Intrauterine Insemination. The ethical, religious and legal aspects associated with assisted reproductive technologies are covered in a comprehensive section as well as in specific sections on birth defects, the disposition of embryos, embryo research, the financial costs, multiple births and surrogacy. The causes of infertility are also examined. Lesson plans are available in the final section.

**Drugs and foetal development**

After an introductory section covering the effects of various drugs on foetal development, the topic expands to focus on the specific problems associated with the intake of alcohol, caffeine, illegal drugs, thalidomide and tobacco during pregnancy. Lesson plans are in the section for teachers.



*(J Gathany, CDC)*

**Arts, Music and Sports**

**Adapted sports and games**

The abilities and determination of disabled sportsmen and sportswomen put many able-bodied people to shame. This topic takes a close look at various disabilities and the special adaptations that can be made to sports and games so that disabled people can participate and gain the same enjoyment from physical activities as their able-bodied counterparts. A lengthy general section on adapted sports and games introduces the topic. This is followed by sections on various adapted sports organisations and disabilities in general. The topic then focuses on specific disabilities and the sports that have been adapted for them. Currently the list includes acquired brain injury, amputation, blind/vision impaired, deaf/hearing impaired, Down Syndrome, paraplegia and quadriplegia. Teachers' resources are in the final section.

## Literature

### Western Theatre History

The development of Western theatre is traced from ancient Greece and Rome, through the Middle Ages and Renaissance to the Elizabethans. A section on Restoration theatre is followed by two on 18th and 19th century drama, with special attention being given to English Gothic drama. Romanticism and melodrama are covered before three sections on 20th century theatre cover the general history of the time as well as highlighting the Theatre of the Absurd and the work of Brecht in Epic Theatre. Various resources for classroom use are listed in the last section.



*Bertolt Brecht (German Federal Archive)*

### Australian Drama

The topic commences with an overview of the history of Australian drama. The sections which follow deal with a selection of dramatists listed in chronological order. Currently the list contains Arthur Hoey Davis (Steele Rudd), Jack Davis, Ray Lawler, Dorothy Hewett, Peter Kenna, David Williamson, Alex Buzo, Nick Enright, Louis Nowra, Hannie Rayson, Andrew McGahan and Shaun Charles. These sections contain biographical material, critical works and reviews of productions. Teachers' notes and lesson plans are found at the end.

## Modern World History

### World War 1: Causes

This topic gives students and teachers an in-depth appraisal of the various factors which contributed to the outbreak of World War 1. Beginning with general sections on World War 1 and its causes, the sections which follow cover the Alliance system, imperialism, militarism, nationalism, the Balkan States, the Moroccan Crises, the assassination of Archduke Franz Ferdinand, and the July Crisis of 1914. A section containing maps of the conflict is included. There are two sections for teachers containing lesson plans, interactive resources and worksheets. The first focuses on the causes of the war and the second deals with broader aspects of World War 1.



*Archduke Franz Ferdinand and his family*

### New Sections

#### Religions

##### New Testament: Biography

Jesus of Nazareth

#### Social Sciences

##### Indigenous Cultures

Karen of Myanmar: Persecution

#### Inuit

Inuit: Global warming

Inuit: Political aspects

#### Environmental Economics

Peak oil

## Globalisation

Globalisation: National economies

## Australian Society

### Australia: Environmental issues

Queensland: Traveston Crossing Dam

Tasmania: Gunns' pulp mill

### Family Law: Australia

Family Law: Australia:

Same-sex couples

## Maths, Astronomy and Physics

### Australian and New Zealand Scientists

Kott Mather, Patricia b.1925

Flannery, Tim b.1956

## Chemistry and Earth Sciences

### Australia: Natural hazards

Australia: Victorian bushfires, 2009: Case study

### Weather and climate

Monsoons

Southern Oscillation Index

## Literature

### Australian Novelists:

#### Contemporary

McGahan, Andrew b. 1966

## Modern World History

### International terrorism

Mumbai Attacks 2008

### American Civil Rights

#### Movement

Obama, Barak

## India: Modern History

India, History: Hinduism and Politics

India, History: Islam and Politics

## South Africa: History

Motlanthe, Kgalema

## Australian History

### Australia: 2000s

Australia: 2009: Victorian bushfires

