

## Term Two 2013 Library Update

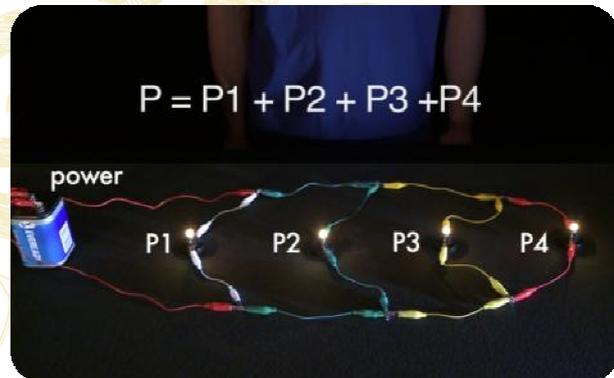
### Electrical Circuits

23 Minutes

Subject: Physics

Age Level: 16 - Adult

We use electrical circuits every day. In the home, the car, at work and school – they are a vital part of our lives. This program covers the basics of electrical circuits in detail. It looks at various components of a circuit; voltage, current, resistance and Ohm's Law; series and parallel circuits; and demonstrates a range of calculations for voltage, current, resistance, power and the use of Kirchoff's Law. It also covers how to use a multimeter; resistors and resistance colour coding. Learners are provided with clear verbal and visual explanations of the movement of current through a circuit, how it flows and how electrical energy is used, and easy-to-follow examples of how Ohm's and Kirchoff's Laws are applied. The content is ideal for senior level science students, and essential viewing for entry level vocational learners in electrical and allied trades.



### One Flash and You're Ash!

15 Minutes

Subject: Physics

Age Level: 16 - Adult

Working with electricity is potentially dangerous. Both the equipment, and the way it is used, must be safe. If something does go wrong and someone is injured, knowing how to deal with the situation, and treat the victim, can save lives. This program explores electrical safety. Guided by an engaging presenter and qualified electrician, it examines the dangers of electricity; the cause, effect and treatment of electric shock; and how to avoid the dangers. It explains risk management, testing for dead, electricity and water, the effects of different levels of current on the body and first aid techniques to administer to shock victims, including the DRSABCD procedure. It also covers a range of safety measures. The content is ideal for middle to upper level science students, and essential viewing for vocational learners in electrical and allied trades.



## First Aid Emergencies - Home

26 Minutes

Subject: Health & Personal Development

Age Level: 14-18

Home can be a potentially dangerous place. A vast number of accidents resulting in injury occur in and around the home. For this reason, it makes a lot of sense to ensure that as many occupants of a household as possible have some basic skills in first aid. This program provides a rundown of the main types of injuries that occur in the home and how they should be treated. It includes what to do in an emergency, an outline and demonstration of the DRSABCD procedure, dealing with burns, scalds and electrocution, cuts, laceration and bleeding, poisoning and overdose, asthma, allergies and anaphylaxis, and heart attack, stroke, diabetes and epilepsy. It provides clear verbal and visual information, portraying various scenarios within a home where immediate first aid intervention is required, and demonstrating the correct ways to administer relevant procedures. This program is an ideal learning resource for those studying first aid at an introductory level.



## First Aid Emergencies - Community

22 Minutes

Subject: Health & Personal Development

Age Level: 14-18

Accidents and injuries occur without warning. When incidents happen in public places, often the welfare of the victim depends on the level of help they receive before qualified paramedics or other professionals can attend to them. For this reason, it makes a lot of sense that as many people as possible have some basic skills in first aid. This program provides a rundown of the issues involved, and the main types of injuries that occur in the community and how they should be treated. It includes what to do in an emergency; legal and moral aspects of first aid; fractures, dislocations, strains and sprains; neck, head and spinal injuries; hypothermia and hyperthermia; and CPR (cardio-pulmonary resuscitation) – (both hands-only, and hand and mouth procedures). It provides clear verbal and visual information, portraying some typical scenarios in public places where immediate first aid intervention is required, and demonstrating the correct ways to administer relevant procedures.



## Eco Pioneers: A Case Study of Bega

18 Minutes

Subject: Geography - Sustainability

Age Level: 16-18

The town of Bega, on the south coast of NSW are working to transform their town into a sustainable community. Through the work of "Clean Energy for Eternity", the program follows Dr Matthew Nott as he charts their journey into solar PV, windpower and the local council's exploration of tidal energy. This program provides a useful case study on environmental sustainability for senior geography students.



## National Parks - Yellowstone

9 Minutes

Subject: Geography

Age Level: 16-18

National Parks conserve the natural beauty of a region: unique landscapes, flora and fauna for present and future generations. But what qualifies as a National Park? In this documentary style program we look at Yellowstone, the first National Park, and explore the history of the National Park movement. Ideal for middle and senior secondary to TAFE in geography, environmental and cultural studies, this visually stunning program highlights the many and varied challenges facing National Parks.



## National Parks - The Lake District, UK

8 Minutes

Subject: Geography

Age Level: 16-18

In this program we look at The Lake District in the United Kingdom, and the growth of tourism and its impact on the park. Ideal for middle and senior secondary to TAFE in geography, environmental and cultural studies, this visually stunning program highlights the many and varied challenges facing National Parks.



## National Parks - Kakado, Australia

8 Minutes

Subject: Geography

Age Level: 16-18

In this program we look at Australia's Kakadu National Park, and the conflicts between mining and conservation, environmental and economic needs as well as various interest groups including local and indigenous communities living in National Parks.



## Floods - Causes and Consequences of River Flooding

4 Minutes

Subject: Geography

Age Level: 14-18

Floods can cause enormous devastation that has lasting social, psychological, economic and environmental impacts on a community. Flooding can also be a seasonal weather event that helps sustain life across many ecosystems. This series examines the causes and consequences of flooding. Ideal for middle and senior secondary to TAFE in geography, engineering and environmental studies, it is a fascinating exploration of the wide ranging impact a natural hazard can have.



## Floods - Queensland Floods 2011: A Case Study

7 Minutes

Subject: Geography

Age Level: 14-18

This clip explores the impact of the 2011 floods in Queensland, Australia. The clip features: Rory Nathan: GM Technology and Practice, Sinclair Knights Mertz; Tony McAlister: MD, BMT-WBM engineering consultants; Helen Fairweather: Senior Lecturer Environmental Engineering, University of the Sunshine Coast; and Mark Porter: Professor of Engineering, University of the Sunshine Coast explaining the flood event and its aftermath.



## Floods - Carlisle Floods UK 2005: A Case Study

5 Minutes

Subject: Geography

Age Level: 14-18

This clip explores the impact of the 2005 floods in Carlisle, UK, the result of extreme weather conditions. The clip features: Craig Cowperthwaite, Senior Adviser, Risk Management Environment Agency; Jason Gooding, Town Clerk and CEO - Carlisle City Council; and Paul Hendy: Director, Scottish Flood Forum explaining the flood event and its aftermath.



## Floods - Flood Management

6 Minutes

Subject: Geography

Age Level: 14-18

Managing flooding is the key to minimising and mitigating the damage flood waters can cause. This clip explores flood management practices and techniques to help communities plan for the worst when they are potentially at risk from flooding.



## The Kendal Project - a Spiritual Revolution?

23 Minutes

Subject: Religion

Age Level: 16 - Adult

Between October 2000 and June 2002, a study of the population of Kendal, a town near the Lakes District in the UK, revealed some fascinating trends in modern society's approach to, and practice of, religion and spirituality. Known as the Kendal Project, the study looked at the prevalence of regular congregational church attendance compared with the popularity of spirituality in the holistic domain. It showed that church attendance trending steadily downwards and uptake of spirituality in the holistic domain, increasing. This program explores the Kendal Project, its findings and conclusions about modern society, religion and spirituality – and examines implications and explanations of changing trends.

