

The Story of Us

Using computer graphics and case studies this program gives a fresh view of the evolution of the human body - and reveals how humankind is at a momentous crossroads. We uncover the story of the body parts that together make each one of us a human being. Although our individual parts are unremarkable when taken singly, it's how they're put together that makes us human. Looking at the body as a kind of identikit, we look at just which parts make us so unique, and see where they came from, meeting the strange-looking ancestors that have each contributed a key part, without which we would not have been able to evolve into the human form as it is today.

Senior Secondary - Tertiary

50 mins Produced in the UK 2004

Secondary Schools Price \$86.90

Universities & TAFEs Price \$141.90

Bug Detectives

Forensic Entomology

This program explores the relatively new science of forensic entomology. Using real case studies we follow the work of leading criminal scientists who use insect biology to solve crime. Time lapse photography is used to help show body decomposition and the life cycle of various insects involved in the decomposition process. We see how insects can help determine the time of death and where a person died, and how this science is used in conjunction with toxicology.

Senior Secondary - Tertiary

26 mins Produced in the UK 2002

Secondary Schools Price: \$75.90

Universities & TAFEs Price: \$108.90

Cloning - How & Why

Cloning is one of the most controversial of the new biotechnologies in the 21st century. This up-to-date program takes students to Scotland where Dolly made history as the first cloned mammal. Then we move inside Neal First's laboratory at the University of Wisconsin-Madison where Dr. First explains some of the details of just how cloning is done. Students will be challenged to consider the implications of this revolutionary technology for life in the 21st century.

Middle Secondary - Tertiary

30 mins Produced in the USA 2003

Secondary Schools Price \$86.90

Universities & TAFEs Price \$141.90

If Pigs Could Fly

Imagine a world where people are alive because the heart of a pig is beating inside them, where supersalmon grow 37 times more quickly and where "pharm" animals produce human proteins for our consumption. This revolutionary world is chaotically unfolding in thumb-sized vials and sterile pipettes across the world. This thought-provoking program explores how scientists are defying nature's bottom line creating breeds that evolution wouldn't dare.

Senior Secondary - Tertiary

48 mins Produced in the Canada 2000

Secondary Schools Price \$86.90

Universities & TAFEs Price \$141.90

Gene Guns

This new technology for producing transgenic plants and animals has the potential to change agriculture as dramatically as anything since the plough and the tractor. This program explains how a gene gun works and what the future looks like for changing the genetic heritage of living things.

Senior Secondary - Tertiary

22 mins Produced in the USA 2003

Secondary Schools Price: \$75.90

Universities & TAFEs Price: \$108.90

Hi-Tech Foods: Are GMOs Safe?

Fast-tracked by the US Federal Drug Administration, GMOs (genetically modified organisms) have already penetrated deeply into the American food supply. But are they safe? This program examines both sides of the GMO controversy. Agricultural law professor Neil Hamilton, a nutritional consultant, a corn farmer and a University economist discuss reasons for taking a conservative approach and the unfairness of anti-GMO rhetoric. We also consider if the potential benefits of GMOs outweigh the possible risks.

Senior Secondary - Tertiary,

13 mins Produced in the USA

Secondary Schools Price: \$64.90

Universities & TAFEs Price: \$108.90



The Gene Squad

For more than two decades, police in a small Canadian town knew who raped and killed a 12-year-old girl. Nothing could prove their case until the science of DNA profiling and a new Canadian law changed everything. This program examines how new technologies are solving old crimes. Thousand of genetic fingerprints are collected daily around the world from convicted felons upon entering prison and entered into the national DNA databanks where they are matched with unsolved crimes. We also consider how the new science of DNA fingerprinting will work as a crime fighting tool and how it has come to challenge our notion of privacy and civil liberties.

Senior Secondary - Tertiary

50 mins Produced in Canada 1997

Secondary Schools Price \$86.90

Universities & TAFEs Price \$141.90

Neanderthal

Neanderthal is the story of the rise and demise of the most successful human species. Combining the latest scientific research with a mixture of drama, prosthetics and cutting edge animation, this two-part series charts one of the greatest stories of evolution. Who were these people? How did they live and why did they die out? The series observes Neanderthal tool-making, their social relationships and organisation, and ultimately their first encounter with the Cro-Magnons (modern humans). *Neanderthal* follows the experiences of a small clan of Neanderthals living in Europe at one of the most important junctures of human evolution.

Senior Secondary - Tertiary

2 x 60 mins, Produced in the UK 2000

Secondary Schools Price: \$108.90

Universities & TAFEs Price: \$174.90

Silent Witness

This program explores a diverse range of sciences and their tools employed to solve crimes including dentistry, entomology and DNA testing. Equally as fascinating are the people who practice them: a university professor who has the ability to discredit a killer's alibi by cultivating the maggots from the victim's decomposing body. A dentist can identify a killer from a single bite mark. And a pathologist who hates the sight of blood. Their challenge is to decipher the volumes spoken from the grave.

Senior Secondary - Tertiary

45 mins Produced in the Canada 1995

Secondary Schools Price \$86.90

Universities & TAFEs Price \$141.90

BEST SELLER
Beyond Reasonable Doubt

The last decade has seen a revolution in the way criminals have been convicted thanks to forensic science. This program looks at the amazing world of advanced forensic techniques. As well as tools such as the comparison microscope, the program considers techniques such as gas and liquid chromatography, blood splatter analysis and DNA profiling including the PCR – DNA cloning technique. We see how DNA databases are helping to solve previously unsolved crimes and, finally, consider the future of forensic science.

Senior Secondary - Tertiary
 28 mins Produced in the UK 2000
Secondary Schools Price: \$86.90
Universities & TAFEs Price: \$141.90

Exploring Inheritance and Genetics

Clear graphics, live action photography, and computer animation reveal to middle school students the fascinating world of Mendelian genetics. Mendel's pea plant experiments are reproduced to illustrate how genetic traits are passed on from one generation to the next. Along the way various terms are defined and understood, such as purebred, cross, genes, alleles, dominant and recessive. Students also learn how to understand Punnett squares to determine the probability that particular traits will show up in successive generations.

Middle Secondary
 26 mins, Produced in the USA 1998
Secondary Schools Price: \$86.90
Universities & TAFEs Price: \$141.90

BEST SELLER

Stem Cells

Take your students inside James Thomson's laboratory at the University of Wisconsin where stem cells were first cultured to learn why this breakthrough is so important in the 21st century. This new program will help you show your students what stem cells are, how they are cultured, why they offer such potential for the future of our health and welfare. The program addresses both the science and the ethical dilemmas that accompany this advance in biology. Includes Hawhill interviews with pioneers in stem cell technology and in stem cell ethics.

Senior Secondary - Tertiary
 30 mins Produced in the USA 2003
Secondary Schools Price: \$75.90
Universities & TAFEs Price: \$108.90

Genetic Engineering

What are the real issues in genetic engineering? Professor David Cove presents an exciting 3-part program in which is explained what genetic engineering is and how it works, and then looks at a number of examples before addressing the underlying ethical questions. Part One of the program explains the nature of DNA, the function it performs and how it replicates. Part Two explains with examples how genetic engineering is performed. Part Three looks at some examples of how genetic engineering is being used and the associated risks.

Senior Secondary - Tertiary
 47 mins Produced in the UK 2000
Secondary Schools Price: \$86.90
Universities & TAFEs Price: \$141.90

Genetic Engineering - A Double Edged Sword

This new program examines the following issues:

- the ability to isolate genes responsible for inherited illnesses;
- the quest to find and cure such illnesses;
- the practice of genetic counselling to inform people about health risks;
- the possibility of indiscriminate aborting of embryos which are not quite perfect;
- and how insurance companies could use information about inherited disorders.

Middle Secondary - Tertiary
 30 mins Produced in the USA 2004
Secondary Schools Price: \$86.90
Universities & TAFEs Price: \$141.90



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