



Contents

Design and Technology	Smart Resistant Materials	3
	Smart Graphic Products	4
English	Evolution of English	
	A Short History of the English Language	5
	Borrowed Words: How Languages Influence Each Other	6
	Language and Technology	6
Geography	Dynamic Lands: River Processes and Landforms	7
	Internal Migration in China	8
	Population Change: Causes, Impacts and Management of Migration	8
	Sustainable Communities: Studying Settlement	8
	Tectonics: Processes and Landforms	9
	Tropical Storms: Bangladesh's Cyclone Aila	9
History	The Black Death	
	What is the Black Death?	10
	Impact of the Black Death	11
	Spread of the Black Death	11
Mathematics	Algebraic Variables and Index Laws	12
	Exponents and Index Laws	13
	Irrational Numbers: Pi and Pies	13
	Operations with Algebraic Fractions	13
	Simplifying Algebraic Products and Quotients	14
	Substituting Values in Formulae	14
Science	Forms of Energy	15
Sociology	Influences on the Health of Individuals	16
Textiles	Textiles - Eco Design	17
	Textiles - Environmental Impacts	18
	Textiles - The Next Generation	18

Catalogue Key

Autumn 14	Autumn 14 indicates that the title was included in the Autumn 2014 update
Hr	Duration in hours
Min	Duration in minutes
AR	Additional resources: Student activities and support notes to assist teachers
CC	Closed captions



Design and Technology

Stills from our new design and technology titles



Smart Resistant Materials

How are smart materials made? What's their potential? Case studies include: shape memory alloys and thermochromatic plastics; QTC and how it's revolutionising touch screen technology and how smart organic compounds allow printing of electrical components onto plastic sheets. Endorsed by: OCR (GCSE Design and Technology: Resistant Material specification); Edexcel (GCE in Design and Technology: Product Design (RMT pathway). Recommended by AQA (resources list for their GCSE and GCE D&T specifications).



2011 | 35 min | United Kingdom | Autumn 14

Smart Graphic Products

This programme examines the properties, characteristics and applications of some of the smart materials used in the graphics industry. Case studies include labels and packaging that use thermochromic inks, emergency and safety signage that incorporate phosphorescent and fluorescent paints and inks, and photochromic dyes that are used for anti-counterfeiting measures and reactive glasses. Recommendations/Endorsements: Endorsed by OCR for use with their GCSE Design and Technology: Graphics specification

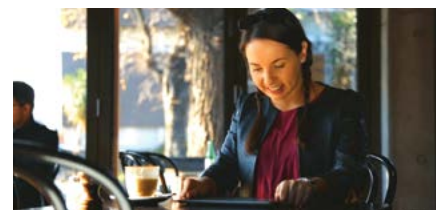


2012 | 31 min | United Kingdom | Autumn 14



English

Stills from our new English titles



Evolution of English

This unique series investigates the history and evolution of the English language. Audiences will gain an understanding of how vocabulary, grammar, punctuation and spelling have all been affected over time by different cultures and new technologies. Essential viewing for any study of language variation and change.

A Short History of the English Language

This programme provides an overview of four key periods in the chronological history of the English language and how events in each period shaped the words, spelling, pronunciation and grammar of English. We explore the cultural and social influences on Old English, Middle English, Early Modern English and Modern English. Excerpts from *Beowulf*, *The Canterbury Tales* and Shakespeare illustrate the changing structure of English over time.



2014 | 12 min | Australia | CC | AR | Autumn 14

Additional resources

- Comprehension Questions
- Crack the Runic Code
- Create a Crossword Puzzle

- Suggested Student Responses
- Transcript of the Programme

Borrowed Words: How Languages Influence Each Other

This program investigates the wealth of English words and phrases stemming from Indian, Greek, Latin and Japanese origins, as well as the influence of English on other languages. Packed with interesting words and anecdotes, this is an ideal resource to better understand the complex and fascinating ways that English has evolved into the rich, expressive language we know today.



2014 | 12 min | Australia | CC | AR | Autumn 14

Additional resources

- Latin and Greek Stems
- Word Bank
- Word Origins Poster
- Writing a 'Borrowed Words' Piece
- Suggested Student Responses
- Transcript of the Programme

Language and Technology

This engaging programme compares the way a person might have communicated in 1960 to the way we communicate today by following a young writer on vacation then and now. In the 1960s, she uses postcards and letters to correspond with friends back home, and today it's text messages and emails. Audiences will gain an understanding of how vocabulary, grammar, punctuation and spelling are affected by communicative technologies and why these changes have occurred.



2014 | 10 min | Australia | CC | AR | Autumn 14

Additional resources

- Communication Styles
- Communication Then and Now - Venn Diagram
- New Dictionary Words
- Text Speak Table
- Suggested Student Responses
- Transcript of the Programme



Geography

Stills from our new geography titles



Dynamic Lands: River Processes and Landforms

Provide your students with examples of potholes, rapids, waterfalls, gorges, meanders, braiding, flood plains and deltas. Use these case studies, along with the detailed graphics provided, to explain the fluvial processes of erosion, transportation and deposition and explore how they change throughout a river's course. The process and impact of rejuvenation is also explored. Includes a bank of teaching materials, by Bob Digby, GCSE principal examiner and geography author.



2013 | 31 min | United Kingdom | AR | Autumn 14

Additional resources

- Key Words
- Teacher Notes
- Transcript of the Programme

Internal Migration in China

Since the 1970s, China has been experiencing the world's largest internal migration. This programme looks at what internal migration is and why China is experiencing a dramatic rural to urban population shift. The programme looks closely at the hukou system of household registration and its resulting 'floating population' of migrants. Woven throughout is the fictional account of the challenges farmer Huang Li faces as he moves to the city to improve economic opportunities for himself and his family.



2014 | 13 min | Australia | CC | AR | Autumn 14

Additional resources

- Floating Population Venn Diagram
- Huang Li's Letter
- Push and Pull Factors
- Timeline of Reforms
- Understanding the Data
- What is the Hukou System?
- Suggested Student Responses
- Transcript of the Programme

Population Change: Causes, Impacts and Management of Migration

This resource looks at the causes, impacts and management of the UK's current period of rapid immigration. The programme is designed to encourage students to think about migrants' different countries of origin, motivations, intended durations of stay and their socio-economic situation both in the UK and back home. The programme talks to a range of people, including economic migrants from Poland and Latvia, Kurdish asylum seekers and an illegal immigrant from Africa.



2008 | 35 min | United Kingdom | AR | Autumn 14

Additional resources

- Teacher Notes

Sustainable Communities: Studying Settlement

This programme encourages students to think about their methodology and how they might evaluate and study their own locality. It contains case study material for 'sub-urbanised villages', 'managing rural environments', 'change in urban and rural environments', 'sustainable cities' and 'sustainable futures'. It also ties in with SOWs looking at traffic and transport issues, plus service and retail provision. Produced with the Geographical Association and the Academy for Sustainable Communities.



2008 | 1 hr 7 min | United Kingdom | AR | Autumn 14

Additional resources

- Presentation

Tectonics: Processes and Landforms

Filmed in Montserrat, Haiti, Iceland, the Alps and the UK, this programme explores the processes, features and landforms that occur at different plate margins. It then looks at volcanic processes and landforms, with footage of different lava types, intrusive and extrusive volcanic landforms and illustrations of the minor volcanic forms: solfatara, fumaroles, geysers and sinters. Also includes a bank of teaching materials, by Bob Digby, GCSE principal examiner and geography author.



2013 | 40 min | United Kingdom | AR | Autumn 14

Additional resources

- Teacher Guidance Sheets
- Student Activities

- Mind Map
- Transcript of the Programme

Tropical Storms: Bangladesh's Cyclone Aila

With extraordinary footage shot during and after Bangladesh's most recent cyclone; the causes, impacts and management of tropical storms in an LEDC are explored, with explanations of the physical causes of cyclones and the social, economic and environmental impacts, told through first-hand accounts of those affected. Examples of management strategies are then discussed in detail to reduce both the short and long term impacts of cyclones.



2010 | 33 min | United Kingdom | AR | Autumn 14

Additional resources

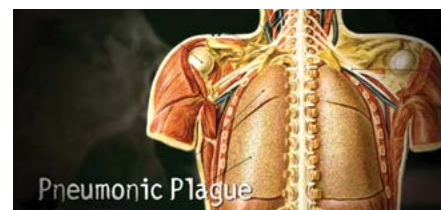
- Teacher Guidance Sheets
- Student Activities

- Useful Websites
 - Transcript of the Programme
-



History

Stills from our new history titles



The Black Death

The outbreak of the Black Death in the 14th century decimated populations across Europe, Asia and Africa. As well as a high mortality rate, the epidemic affected many aspects of society.

What is the Black Death?

The outbreak of the Black Death in the 14th century decimated populations across Europe, Asia and Africa. This programme looks at: the symptoms of the disease, how it was caused and transmitted, and the role poor living conditions and a lack of medical knowledge played in its fast and far reaching spread. Prevailing and sometimes bizarre beliefs about its causes and cures are discussed in this stylised and at times gruesome presentation which is sure to capture viewer attention.



2014 | 10 min | Australia | CC | AR | Autumn 14

Additional resources

- Comprehension Questions - Advanced
- Comprehension Questions - Basic
- Create a Poster
- Diagram of Symptoms
- Disease Transmission Flowchart
- Strange Causes and Cures Table
- Suggested Student Responses
- Transcript of the Programme

Impact of the Black Death

As well as a high mortality rate, the Black Death affected many aspects of society. This programme examines its impact on: religion, feudalism, farming, urban life, the arts, and minorities in Europe; the economic and political consequences of the disease in Asia; and the socio-economic impacts in North Africa and the Middle East. Filled with unique examples, this is an informative and accessible look at the far reaching effects of the Black Death.



2014 | 11 min | Australia | CC | AR | Autumn 14

Additional resources

- Comprehension Questions - Advanced
- Comprehension Questions - Basic
- Analysing Sources of Evidence
- Cause and Effect Table
- Writing a Personal Account
- Suggested Student Responses
- Transcript of the Programme

Spread of the Black Death

This programme takes a detailed look at the spread of the Black Death in the 14th century. From its theorised origins in Asia, we trace its movement along the famous Silk Road trade route to Europe. This 'golden age of trade' provided the ideal conditions for the rapid transmission of the disease via caravans and ships, while attempts to escape it only further contributed to its expansion. Excellent maps and graphics will help audiences to follow this relentless and pervasive epidemic along its devastating journey.



2014 | 9 min | Australia | CC | AR | Autumn 14

Additional resources

- Map the Spread
- Researching Epidemics
- Timelines
- Suggested Student Responses
- Transcript of the Programme

Behind the Scenes

Filming of The Black Death series required a specialised prosthetic make-up artist. The artist researched historical and medical sources on the plague's symptoms and appearance to bring to life the horror and devastation of this sweeping epidemic.





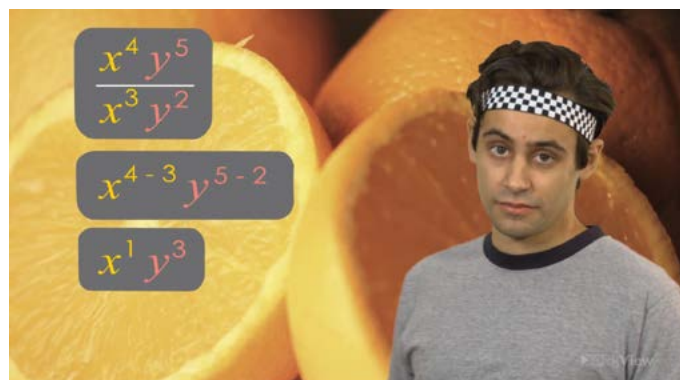
Mathematics

Stills from our new mathematics titles



Algebraic Variables and Index Laws

This clip defines the mathematical concepts of constants and variables before going on to apply index laws to variables using positive integer indices and the zero index. Simplifying equations by adding, subtracting, multiplying and dividing indices are demonstrated. Ideal for introducing or reinforcing concepts.



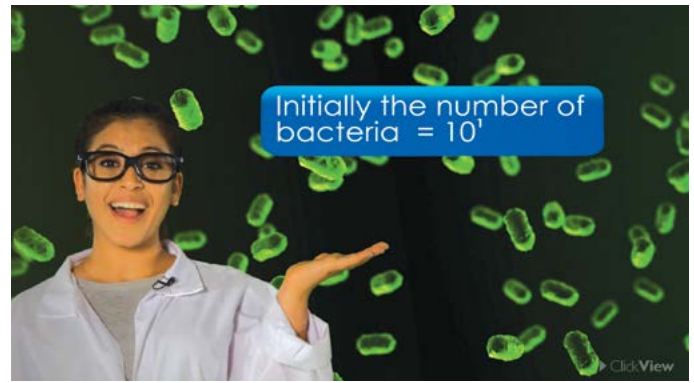
2014 | 4 min | Australia | CC | AR | Autumn 14

Additional resources

- Worksheet
- Suggested Student Responses

Exponents and Index Laws

In this clip, two situations are used to apply index laws to numerical expressions with integer indices. In the first situation, the narrator needs to determine how many pallets of water bottles he and his friends will need for a 16 day yacht trip. The second situation involves calculating the rate at which light sensitive bacteria populations increase or decrease depending on changes to their environment. Ideal for applying mathematical concepts to real world situations.



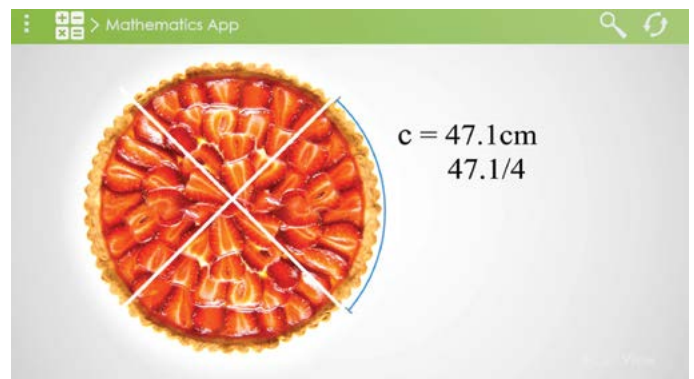
2014 | 6 min | Australia | CC | AR | Autumn 14

Additional resources

- Worksheet
- Suggested Student Responses

Irrational Numbers: Pi and Pies

The clip explains how the irrational number Pi is derived and provides an example of its practical application in calculating the area of different sized pie tins. It explores: how Pi is derived by finding the relationship between a circle's diameter or radius and its circumference; and the relationship between a circle's radius and its area. Ideal for reinforcing concepts.



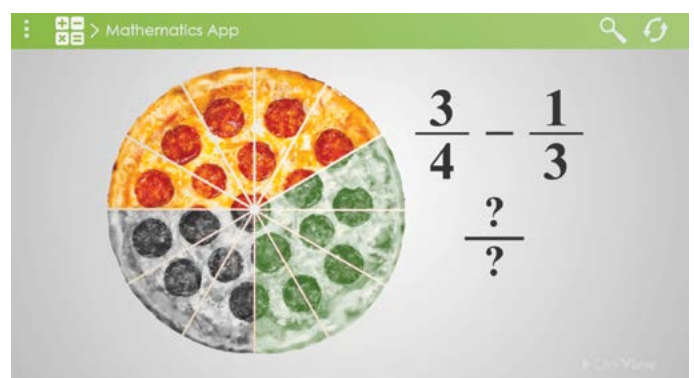
2014 | 5 min | Australia | CC | AR | Autumn 14

Additional resources

- Worksheet
- Suggested Student Responses

Operations with Algebraic Fractions

This clip applies the four operations to simple algebraic fractions with numerical denominators. It begins by using the example of pizza to add and subtract fractions and determine lowest common denominators. Pronumerals are then incorporated into examples, which increase in difficulty to multiplying and dividing fractions. Ideal for reinforcing concepts.



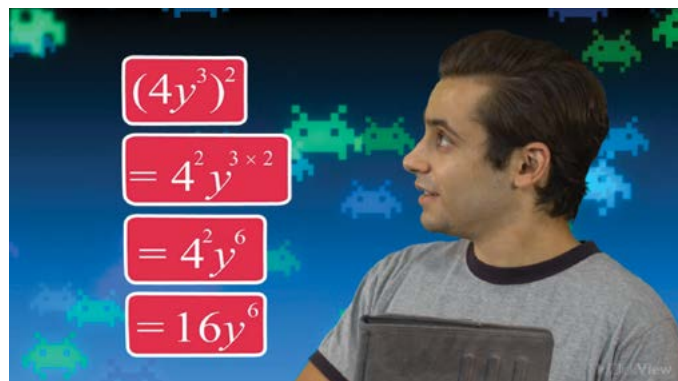
2014 | 5 min | Australia | CC | AR | Autumn 14

Additional resources

- Worksheet
- Suggested Student Responses

Simplifying Algebraic Products and Quotients

Follow along as our narrator plays a video game that requires him to simplify algebraic products and quotients using index laws. It's a race against the clock as the questions become increasingly difficult and require him to work with negative numbers and indices in order to complete the level. Ideal for reinforcing concepts.



2014 | 4 min | Australia | CC | AR | Autumn 14

Additional resources

- Worksheet
 - Suggested Student Responses
-

Substituting Values in Formulae

This clip demonstrates the importance of algebra and mathematical formulae in solving everyday problems. Working through a series of real life examples, our narrator substitutes values into formulas to determine the information he requires. Follow along as he calculates speed, distance and time measurements, the volume of a cylinder, and the cost of electricity. Ideal for applying mathematical concepts to real world situations.



2014 | 5 min | Australia | CC | AR | Autumn 14

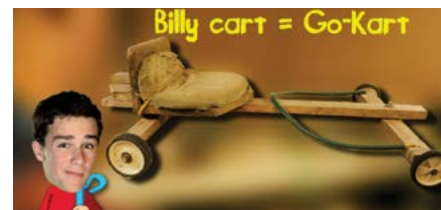
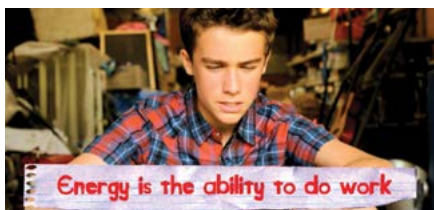
Additional resources

- Worksheet
 - Suggested Student Responses
-



Science

Stills from our new science titles



Forms of Energy

Energy is never created nor destroyed – just transferred from one form to another. It's one of the most fundamental concepts in physics, but can be one that students find challenging when first introduced to it. This video uses an engaging presenter and familiar objects and scenarios – including skateboarding, tennis, vehicles and plant growth – to explore different forms of energy, their effects on objects and processes and conversion from one form to another.



2013 | 13 min | Australia | CC | AR | Autumn 14

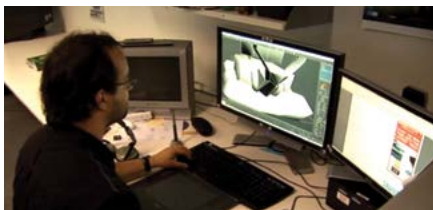
Additional resources

- Questions and Activities for Before, During and After the Program



Sociology

Stills from our new sociology titles



Influences on the Health of Individuals

Everyone agrees it's important to be healthy. That's why so many of the decisions we make in our daily life are about good health. Our ability to be healthy is determined by many different factors. In this programme we explore the "determinants of health" or "influences on health" through practical examples over different life stages in today's society.



2010 | 18 min | Australia | CC | AR | Autumn 14

Additional resources

- Questions and Activities for Before, During and After the Program

- Glossary
- Quiz



Textiles

Stills from our new textiles titles



Textiles - Eco Design

Lead designers for Finisterre, Tom and Debbie are on a mission to create the most eco-friendly surf-wear brand in the world. From their HQ in Cornwall to fabric suppliers in Japan and manufacturers in Portugal, we follow the pair as they explain how they reduce the environmental and ethical impact of their clothes. Endorsed by: Edexcel (GCSE in Design and Technology: Textiles Technology); OCR (GCSE in Design and Technology: Textiles Technology). Recommended by AQA (resources list, GCSE and GCE D&T Textiles specifications).



2011 | 32 min | United Kingdom | AR | Autumn 14

Additional resources

- Comprehension Questions
- Activities
- Useful Websites and Resources
- Transcript of the Programme

Textiles - Environmental Impacts

Filmed in Bangladesh and in the UK, this resource assesses the environmental impacts of the textile industry both here and abroad. It looks at how companies in the UK are working to meet government targets to reduce their environmental impact by using state of the art water recycling plants and by making better use of their waste streams. The resource then explores the environmental impact of textile production in Bangladesh, and shows how the true cost of cheap textiles is being felt by the very poorest living downstream from polluting textile factories.



2011 | 27 min | United Kingdom | AR | Autumn 14

Additional resources

- Comprehension Questions
- Activities

- Transcript of the Programme

Textiles - The Next Generation

Filmed with some of the world's most innovative textile companies, this programme explores the properties, characteristics and functions of these new materials and shows how they are being used to revolutionise the world around us. Case studies include: geo-textiles, medical textiles, QTC, carbon fibre and interior design. Endorsed by Edexcel (GCSE in Design and Technology: Textiles Technology). Recommended by AQA (resources list, GCSE and GCE D&T Textiles specifications).



2008 | 1 hr 20 min | United Kingdom | AR | Autumn 14

Additional resources

- Diagrams
- Activities

- Research Question
 - Comprehension Questions
-