The Great Math Mystery

Alexander Graham Bell
74401 DVD
50 min IS 1996 McCarney & Associates

His desire to help his deaf mother communicate led to one of the most important inventions of the 20th century. However, the telephone was only one of the many notable contributions Alexander Graham Bell made to modern technology. He left his mark on the world with the invention of the telephone.

No Other Versions Available

The Fabric of the Cosmos

76448 DVD
240 min S 2011 McIntyre Films

This series, based on the best-selling book by renowned physicist and author Brian Greene, takes us to the frontiers of physics to see how scientists are piecing together the most complete picture yet of space, time, and the universe. With each step, audiences will discover that just beneath the surface of our everyday experience lies a world we hardly recognize, starting with strange and more wondrous than anyone expected. Titles on this DVD are:

1) What is Space? - You can't see it, touch it, or taste it, but space is everywhere. And it's not just an empty void. Surprising clues that space is "something" rather than "nothing" are turning much of what we thought we knew about the universe, and may even hold the key to its ultimate fate.

2) The Illusion of Time - We waste it, spend it, spend it, make it, and kill it, but what really is time? Is it like a river that flows, a clock that ticks, or nothing more than an illusion? Join a time-traveling adventure to uncover the true nature of past, present, and future, and of time itself.

3) Quantum Leap - Take a wild ride into a bizarre realm where it seems the impossible is possible. Objects pop in and out of existence; things can, in a sense, be in two places at once; even teleportation is real.

4) Universe or Multiverse? Is our universe unique, or could it be just one of many in an endless "multiverse" where copies of you, me, or everyone else may exist? This radical idea is getting some serious scientific attention, and could revolutionize our picture of the cosmos—and our place within it.

No Other Versions Available

Finding Life Beyond Earth

76447 DVD
120 min S 2012 McIntyre Films

Scientists are on the verge of answering one of the greatest questions in history: Are we alone? Finding Life Beyond Earth immerses audiences in the sights and sounds of alien worlds, while top astrophysiologists explain how these places are changing how we think about the potential for life in our solar system.

No Other Versions Available

The Great Math Mystery

76991 DVD
60 min S 2015 McIntyre Films

NOVA leads viewers on a mathematical mystery tour - a provocative exploration of math's astonishing power across the centuries. We discover math's signature in the swirl of a nautilus shell, the whirlpool of a galaxy, and the spiral in the center of a sunflower. Math was essential to everything from the first wireless radio transmissions to the successful landing of rovers on Mars. But where does math get its power? Astrophysicist and writer Mario Livio, along with a colorful cast of mathematicians, physicists, and engineers, follow math from Pythagoras to Einstein and beyond, all leading to the ultimate riddle: Is math an invention or a discovery? Humankind's clever trick, or the language of the universe? Whether we think we're good with numbers or not, we all use math in our daily lives. The Great Math Mystery sheds fascinating light on how math works in our brains and ponders the ultimate mystery of why it works so well when decoding the universe.

No Other Versions Available

Hydrogen Hopes

74085 DVD
30 min S 2005 McIntyre Films

We've all heard of hydrogen as the fuel of the future, but what will it take to get there from here? How can we create hydrogen from renewable sources like the sun - and how do we store it safely once we've got it?

No Other Versions Available

N is for Nanotechnology

620.5 at 74300 DVD
34 min S 2005 Mcnabb/Connolly Films

One nanometer is tens of thousands of times smaller than the width of a human hair or 500 times smaller than the wavelength of visible light! Within the past 20 years, the development of tools to manipulate objects on the nanometer scale gave scientists a great power to create new materials with unusual properties, atom-by-atom. This new field is called Nanotechnology. Sensationalized through science fiction and the media, nanotechnology is often misunderstood by the general public. Will nano-sized robots perform molecular surgeries? Will self-replicating nanostructure help clean the environment or destroy the planet? "N is for Nanotechnology" is a 30 minute documentary exploring the hypes, hopes and facts of this fascinating field as seen through the eyes of award-winning scientists, industry leaders and writers.

No Other Versions Available

Robotics & Automation

74613 DVD
30 min S 2006 Visual Education Centre

Each job featured in this series can be done by either men or women; however, they highlight women working in jobs traditionally done by men, mostly in trades and technology. This program features: Robotics Engineer; Robotics Technician; Owner/Operator Solarbotics.

No Other Versions Available

Sir Isaac Newton: The Gravity of Genius

74407 DVD
50 min S 1995 McCarney & Associates

Biography relates the story of Isaac Newton's life from his birth during a plague in an English village through his seminal work in mathematics, theology, alchemy and astronomy. Newton devoted his life to the study of the natural world, discovering the laws of gravity, analyzing light, and developing the three laws of motion to explain the movement of the planets and their satellites. The documentary provides in depth discussions of each of Newton's major discoveries, including calculus, gravity and the reflecting telescope.

No Other Versions Available

The Six Billion Dollar Experiment

75372 DVD
50 min S 2007 Mcnabb/Connolly Films

Have you ever wondered how and why we and everything around us came into being? So have a community of physicists living and working at an institute in Geneva. They're undertaking an experiment that will unleash energies unknown on this planet for more than thirteen billion years. In essence, this experiment is a recreation of the first moments of the universe, the milliseconds following the event that blasted time and space into existence. By forcing sub-atomic particles to crash into each other at the speed of light, these scientists are hoping to discover in the debris the smallest building blocks of matter, those particles that were present at the very beginning of the universe. Offering a visual journey into the secret life of our universe, this film explores the history of the mysterious events that led to life as we know it. From looking at the stars and taking a closer look at our own star, the Sun, to delving even further into the edges of visible space, the programme takes viewers full circle, explaining how these scientists hope to unlock the secrets of our existence.

No Other Versions Available
Supercar: Building the Car of the Future
75385 DVD
44 min  S  2009 Canadian Broadcasting Corp.
With rising fuel prices and growing environmental concerns, never before has it been so urgent to imagine what next year's model might look like. But there is hope. All over the world there are people trying to figure out how to build an environmentally and socially sound version of the car. Join engineering professor Brian Fleck on a quest to meet the engineers, designers and even students working on new technologies to make this possible. From hydrogen-powered family sedans to high-end fully-electric powered sports cars, and even cars that drive themselves, you'll find plenty of surprises. Perhaps the future is not so far off as we might think the technology that will transform our societies tomorrow is being developed today. The question is, are we ready?

No Other Versions Available

Time Scanners - Egyptian Pyramids
76900 DVD
60 min  S  2014 McIntyre Films
Follow world famous structural engineer Steve Burrows, as he and the Time Scanners team travel to Egypt to scan the pyramids, the tombs of the mighty pharaohs. To find out how these buildings evolved from simple mud-brick structures to some of the most impressive buildings in the world, Steve and the team use groundbreaking laser technology to scan the structures and reveal secrets previously unknown.

No Other Versions Available

Which Universe Are We In?
77185 DVD
50 min  S  2015 McNabb/Connolly Films
Cosmologists are daring to think the unthinkable. The universe as we know it doesn't exist. We are just one miniscule part of a much bigger picture - a multiverse of infinite proportions. Once considered the domain of extreme scientists, new evidence from all areas of physics now suggests that the multiverse is a real possibility. In this visually stunning film, we travel through four very different visions of the multiverse. Get ready to leave your pre-conceived notions of reality at the door and open your minds to whole new worlds of possibility.

No Other Versions Available