

PBS Nova Online Episodes

Title / Link	Description	Shoot!	Start Your Engines!	Whoosh!	Designed to Crunch	Topic
3D Spies of WWII	The allies used special arial photos to deal a blow to the Nazi rocket program.	●				Aviation
Astrospies	An elite corps of U.S. astronauts is trained to gather intelligence on the Soviets.	●				Projectiles
Battle of the X-Planes	NOVA goes behind the doors of Boeing's Phantom Works and Lockheed's legendary Skunk Works to record classified meetings, flies the most revolutionary planes, and examines the high-stakes battle to build the most capable and versatile fighter ever.	●				Aviation
Bombing Hitler's Dams	Can experts recreate an Allied attack from WWII and destroy dams with a bouncing bomb?	●				Projectiles
Building Pharaoh's Ship	NOVA follows a team of archeologists and boat builders as they reconstruct a vessel depicted on the wall of an ancient Egyptian temple.		●			Transportation Technology
Car of the Future	The "Car Talk" guys look for a new breed of clean, fuel-efficient vehicles.		●			Transportation Technology
Crash of Flight 447	Forensic investigators reconstruct the final moments of the Air France disaster. Expires 02/16/14		●			Transportation Technology
Deadliest Tornadoes	Why was the 2011 tornado season in the U.S. so extreme, and why did so many die?	●				Weather
Deadliest Volcanoes	How can we best prepare for the most lethal volcanic eruptions?				●	Scientific Models
Doomsday Volcanoes	Could the explosion of Iceland's ticking time bombs cause cold and famine worldwide?	●				Weather
Einstein Revealed	Einstein's letters shed light on his revolutionary discoveries and his forbidden loves.				●	Physics
Einstein's Big Idea	The story behind the world's most famous equation, $e=mc^2$				●	Physics
Extreme Ice	An acclaimed photographer joins scientists to document the runaway melting of glaciers.	●				Weather
Finding Life Beyond Earth	We are on the verge of answering one of the greatest questions in history: Are we alone?	●				Astronomy

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Galileo's Battle for the Heavens	The story of Galileo, his discoveries, and his struggle with the Catholic Church.	●				Astronomy
Hubble's Amazing Rescue	From training to launch, NOVA presents the inside story of the mission and the extraordinary challenges faced by the rescue crew.	●				Space Technology
Hunt for the Supertwister	In seconds, a supertwister can leave immense swaths of death and destruction. But what if technology could help us tame nature's most violent tornadoes?	●				Weather
Hunting the Edge of Space: Part 1	The Mystery of the Milky Way	●				Astronomy
Hunting the Edge of Space: Part 2	The Ever-Expanding Universe	●				Astronomy
Hunting the Hidden Dimension	A revolutionary new branch of math called fractals has changed the way we see the world and opened up a vast new territory to scientific analysis and understanding.				●	Physics
Inside the Megastorm	Watch hurricane Sandy unfold, and discover why it was more devastating than other storms.	●				Weather
Is There Life on Mars?	The search for life on the Red Planet heats up with the discovery of frozen water.	●				Astronomy
Killer Subs in Pearl Harbor	NOVA joins an exclusive dive beneath the waters of Pearl Harbor to trace new clues to the sinking of the USS Arizona.		●			Transportation Technology
Making Stuff: Cleaner	Can innovative materials help solve the energy crisis and lead to a sustainable future? Expires 02/02/14				●	Physics
Making Stuff: Smaller	See the future of tiny stuff -- from silicon chips to micro-robots that probe the body.				●	Physics
Making Stuff: Smarter	Explore a new generation of ingenious materials, including real-life invisibility cloaks. Expires 02/09/14				●	Physics
Making Stuff: Stronger	David Pogue tests his mettle against the world's strongest stuff. Expires 01/18/14				●	Physics
Mars Dead or Alive	Go inside NASA's risky field trip to the red planet in this tense and dramatic behind-the-scenes chronicle of the \$820 million Mars Exploration Rover (MER) project. Beginning a year before launch, NOVA's cameras follow MER scientists and engineers.	●				Astronomy

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Mind Over Money	Can markets be rational when humans aren't?				●	Scientific Models
Missing in MiG Alley	What happened to American pilots shot down over Korea half a century ago?	●				Aviation
Monster of the Milky Way	Does a supermassive black hole lurk at the center of our galaxy?	●				Astronomy
Mystery of Easter Island	A team tests a theory on how the ancient stone statues were moved, using a 15-ton replica.			●		Motion-Inspired Technology
Newton's Dark Secrets	Centuries old manuscripts reveal the hidden pursuits of a scientific genius.				●	Physics
Origins: Back to the Beginning	Learn about the elements and their roles in the universe.	●				Astronomy
Origins: Where are the Aliens?	Journey back to the beginning of everything: the universe, Earth, and life itself.	●				Astronomy
Power Surge	Are we finally on the brink of a clean energy revolution?		●			Transportation Technology
Saved by the Sun	Is it time to take solar energy seriously?		●			Transportation Technology
Secrets Beneath the Ice	Is Antarctica headed for a catastrophic meltdown?	●				Weather
Secrets of Lost Empires II: China Bridge	Travel to 12th-century China as engineers, scientists and scholars help reveal the intricate mysteries behind the revolutionary strength and elegance of the Rainbow Bridge.				●	Bridge Building
Secrets of Lost Empires II: Pharaoh's Obelisk	Discover how ancient Egyptians used nautical experience, ingenuity, and unwavering faith to raise massive 500-ton granite monoliths that have stood for thousands of years in tribute to their unparalleled early civilization.			●		Motion-Inspired Technology
Secrets of the Sun	New tools let scientists better grasp our star's potentially destructive solar storms.	●				Astronomy
Smartest Machine on Earth	Jeopardy! challenges even the best human minds. Can a computer win the game? Expires 02/09/14				●	Modeling

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Space Shuttle Disaster	An investigation uncovers the failures and design flaws behind the 2003 Columbia tragedy.		●			Transportation Technology
Storm That Drowned a City	What led to the devastating floods that Hurricane Katrina unleashed on New Orleans?	●				Weather
The Deadliest Plane Crash	NOVA investigates the worst aviation accident of all time. Expires 07/30/13	●				Aviation
The Elegant Universe: Part 1	Einstein's Dream				●	Physics
The Elegant Universe: Part 2	String's the Thing				●	Physics
The Elegant Universe: Part 3	Welcome to the 11th Dimension				●	Physics
The Fabric of the Cosmos: Quantum Leap	Take a wild ride into the quantum realm, where even the impossible seems possible.				●	Physics
The Fabric of the Cosmos: The Illusion of Time	It defines our lives, but what is time really? Have a look into its true nature.				●	Physics
The Fabric of the Cosmos: Universe or Multiverse?	Is our universe unique, or could it be just one in an endless "multiverse"?	●				Astronomy
The Fabric of the Cosmos: What Is Space?	Surprising clues indicate that space is very much something and not nothing.				●	Physics
The Great Robot Race	Twenty-three bizarre looking vehicles line up at the gate of the DARPA Grand Challenge with one thing in common: there's nobody behind the wheel. With names like Terramax, Ghost rider, and Stanley, these vehicles are armed with cutting-edge technology.		●			Transportation Technology
The Pluto Files	Take a cross-country journey to explore the rise and fall of America's favorite planet.	●				Astronomy
Trapped in an Elevator	Elevators have transformed our cities and our lives, but how safe are they?		●			Transportation Technology
Ultimate Mars Challenge	NASA employs a "sky crane" maneuver to land the Curiosity rover on Mars.	●				Space Technology

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Welcome to Mars	Take an astounding look at the red planet in this interplanetary adventure that picks up where MARS Dead or Alive left off. Mission Control and its two robotic explorers face a daunting task—find proof that liquid water once existed on Mars.	●				Astronomy
Why Ships Sink	Are you safe aboard a modern cruise ship?		●			Transportation Technology
Wright Brothers' Flying Machine	Orville and Wilbur Wright were remarkable inventors who designed and built their own wings, steering devices, engines, and wind tunnel. But just how did they construct such an impressive flying machine?	●				Aviation