Of the almost 3,000 people who died on 9/11, around one hundred were fathers of babies who were not yet born. Generation 9/11 follows the lives of a number of these children and their families, as we track their journeys into adulthood. Through their eyes, this bold and innovative documentary blends intimate, individual stories alongside a broader exploration of how the United States has evolved—culturally, politically, socially—since 2001. 2x60 HD

Pandemic is an epic, global documentary series that tells the biggest story of our generation through intimate and personal human stories. Filmed in more than 20 countries, the film explores the universal themes of death, family, power and inequality through the eyes of an extraordinary cast of characters and their collective experience of the pandemic's impacts. Following the path of the virus, the film is in the unique position of treating the world as its precinct, and the global population as its cast. 3x60 HD

Hemingway, a six-hour documentary film by Ken Burns and Lynn Novick, examines the visionary work and the turbulent life of Ernest Hemingway, one of the greatest and most influential writers America has ever produced. Interweaving his eventful biography—a life lived at the ultimately treacherous nexus of art, fame, and celebrity—with carefully selected excerpts from his iconic short stories, novels, and non-fiction, the series reveals the brilliant, ambitious, charismatic, and complicated man behind the myth, and the art he created. 6x60, 3x120 HD
CURRENT AFFAIRS

TRUMP’S AMERICAN CARNAGE

From his first days as president to his last, FRONTLINE documents how Trump stoked division, violence, and insurrection. This film investigates Trump’s siege on his enemies, the media, and even the leaders of his own party, who for years ignored the warning signs of what was to come. 1x60 HD

Supreme Revenge: Battle for the Court
FRONTLINE investigates how a partisan war for the Supreme Court culminated in Amy Coney Barrett’s controversial nomination. The film explores how a 30-year-old grievance sparked an epic and bitter political struggle for control of the country’s highest court. 1x53 HD

The United States of Conspiracy
FRONTLINE investigates how trafficking in conspiracy theories went from the fringes of U.S. politics into the White House. The film follows the alliance of conspiracy entrepreneur Alex Jones, Trump advisor Roger Stone, and the president, and their role in the battle over truth and lies. 1x55 HD

Growing Up Poor in Trump’s America
FRONTLINE follows the experience of child poverty against the backdrop of the pandemic and increasing racial tensions. Set in Ohio, the film follows children and their families navigating issues of poverty, homelessness, race and new challenges due to COVID-19. 1x60 HD

President Biden
FRONTLINE tells the story of how crisis and tragedy prepared Joe Biden to become America’s next president. Those who know him best describe the searing moments that shaped President Elect Biden and what they reveal about how he will govern. 1x60 HD
In 2010, hundreds of thousands of electronic music lovers took pilgrimage to Duisburg to celebrate, but the day tragically ended in a fatal stampede—21 attendees died and 652 more were injured and traumatized. What went wrong?

LoveParade: The Trial reveals the corporate greed and public negligence at the expense of young people from around the world gathering for a music festival. With unprecedented access, the film unravels the worst disaster in counterculture history.

1x60, 1x90 HD

Whose Vote Counts
FRONTLINE investigates allegations of voter fraud and disenfranchisement in the lead up to the 2020 election. With Columbia Graduate School of Journalism, New Yorker writer Jelani Cobb investigates how the pandemic is being used to sway turnout. 1x60 HD

America’s Medical Supply Crisis
Why was the U.S. left scrambling for critical medical equipment as the coronavirus swept the country? FRONTLINE investigates the fragmented global medical supply chain and its deadly consequences. 1x53 HD
**CURRENT AFFAIRS**

**Policing the Police 2020**
*Policing the Police 2020* explores the issues of race, policing and the struggle to hold departments accountable. In the wake of George Floyd’s killing, *New Yorker* writer Jelani Cobb examines prospects for reform, and returns to the case of one troubled department he first visited in 2016. 1x60 HD

**Love, Life & the Virus**
In a two-part hour, *FRONTLINE* presents the intimate stories of two immigrant families whose lives have been upended by the pandemic. First, *Love, Life & the Virus* chronicles a 30-year-old mother named Zully’s fight to survive COVID and see her newborn baby, after giving birth on a ventilator and spending nearly three weeks in a coma—as her husband, Marvin, and older son, Junior, battled the virus as well. In the hour’s second segment, *Undocumented in the Pandemic* tells the story of another immigrant family’s struggle, with their dad detained by ICE in a facility where COVID is spreading. 1x54 HD

**Blood Sugar Rising**
Diabetes is a hidden epidemic that affects over 100 million people in the U.S., costing close to $350 billion each year. *Blood Sugar Rising* puts human faces to these statistics, presenting personal stories that showcase the struggles of living with this illness and revealing new hopes for better diabetes management and prevention. 1x116 HD

**Opioids, Inc.**
*Opioids, Inc.* is the story of a drug company that pushed opioids by bribing doctors and committing insurance fraud. With the *Financial Times*, *FRONTLINE* presents an investigation of how Insys Therapeutics profited from a fentanyl-based painkiller 50 times stronger than heroin. 1x54 HD

**COVID’s Hidden Toll**
In *COVID’s Hidden Toll*, numerous farmworkers speak out about their experiences of having to choose between their health and their jobs—and what they say is a lack of protection from their companies. With Latino people nationwide dying from the coronavirus at a disproportionate rate, the film examines outbreaks at several growers and meat packing plants over the past several months, and how new evidence indicates that agricultural workers have faced a heightened risk of contracting COVID-19. 1x54 HD

**Black Box Syria**
The war in Syria seems as impenetrable as a black box—the conflict began almost ten years ago and even today many people in the West have the feeling that they do not even understand who exactly is fighting against whom. *Black Box Syria* highlights the regional and international levels of the conflict, as well as the core problem: the totalitarian dictatorship of a family clan. 1x88, 1x53 HD

**The Virus: What Went Wrong?**
As COVID-19 spread from Asia to the Middle East to Europe, why was the U.S. caught so unprepared? Despite repeated warnings of a potent contagion headed our way, America’s leaders failed to prepare and protect. Why and who is accountable? *FRONTLINE* Correspondent Martin Smith (*The Storm; The Quake*) travels via Skype to interview top officials, scientists and first responders in China, Iran, Italy, South Korea and the United States. 1x90 HD
Coronavirus Pandemic

Veteran science reporter and FRONTLINE correspondent Miles O’Brien tells the inside story of Seattle, Washington’s fight to identify and contain the novel coronavirus, traveling through the locked-down city—from the hospital where patient one was treated to the nursing home where the outbreak exploded. In almost real time, doctors, patients and public health officials recount the dramatic story of how the unusually well-prepared city hoped that it had averted a crisis, then confronted the grim reality of the fast-spreading virus. The film shows how the federal government’s missteps early on impacted cities, and highlights the contrast between the Trump administration’s messaging in Washington, D.C., and the increasingly dire situation on the ground in Washington State. 1x54 HD

Return from Isis

In November, Sam Sally, also known as Sam Elhassani, was sentenced to six-and-a-half years in prison for aiding ISIS — making her the first American woman brought back from Syria or Iraq and convicted on ISIS-related terrorism charges. How did this American mother end up living in the heart of ISIS’s self-declared caliphate in Syria, with her husband an ISIS sniper, and her 10-year-old son forced to threaten President Donald Trump in a propaganda video shown around the world? FRONTLINE tells the inside story in Return From ISIS, a documentary that has been nearly four years in the making. 1x60 HD

Inside Italy’s COVID War

Emmy and BAFTA-winning Italian producer Sasha Achilli arrived in Northern Italy just as the government put the country under lockdown and has been documenting the unfolding catastrophe ever since. With intimate and exclusive access to the Maggiore di Cremona Hospital, the film tells the stories of doctors battling the outbreak. They tell Sasha the agonizing choices they face are like those of war-time triage medics—deciding who lives, who dies, and who gets access to a limited number of intensive unit beds. From this dramatic vantage, FRONTLINE examines how and why it got so bad in Italy, why the death rate is so high and what is says for the rest of the world. 1x54 HD

Amazon Empire: The Rise and Reign of Jeff Bezos

Jeff Bezos is not only one of the richest men in the world, he has built a business empire that is without precedent in the history of American capitalism. His power to shape everything from the future of work to the future of commerce to the future of technology is unrivaled. As politicians and regulators around the world start to consider the global impact of Amazon—and how to reign in Bezos’ power—FRONTLINE investigates how he executed a plan to build one of the most influential economic and cultural forces in the world. With interviews of current and former insiders as well as regulators and critics, this film raises important questions about Jeff Bezos and the empire he built. 2x54, 1x114 HD

CURRENT AFFAIRS

WHEN DISASTER STRIKES

3x60 HD

Natural disasters are happening with increased frequency and ferocity, as the planet warms, unleashing extreme weather. This three-part series reveals the mechanics of disaster relief and follows the local governments and people responding on the ground. Everyone must learn on their feet as they try to bring order to chaos, hope from despair.

A Perfect Storm: Mozambique

An extraordinary story of bravery and hope when Cyclone Idai brought devastating flooding to Mozambique in 2019.

The Silent Killer: Somalia

A battle for survival when drought strikes Somalia and humanitarians try to save an historic way of life.

Paradise Lost: Bahamas

An epic tale of survival, disaster response and recovery as one of the strongest hurricanes in the history of the Caribbean strikes The Bahamas.

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A Perfect Storm

The Silent Killer

Paradise Lost

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On the first anniversary of Queen Elizabeth II’s reign, she had no idea she was about to be deployed in a secret plot to topple Iran’s democratic leader in favor of an all-powerful Shah. Planned by MI6 and executed by the CIA, the coup would destroy relations between Iran and the West to this very day. The truth was hidden even from the Queen herself. Using newly declassified secret documents, *The Queen and the Coup* unravels this incredible story for the first time.

**Stella: A History of War**

Stella Andrássy fled the Red Army invasion of Hungary in 1945. Born in Sweden, she married into one of Hungary’s most influential families. Her world was torn apart from the war and she wrote a book about her experiences. This film is based on Stella’s own narrative with perspective on the fate of women in the war. She tells of abuse and suffering, but also of solidarity, courage and hope.

**Quakers: The Quiet Revolutionaries**

Revolutionaries from the start, Quakers defied the Church of England and embraced racial and gender equality. Using verite and archival footage, interviews, voiceover historical quotations, and graphic animations, *Quakers: The Quiet Revolutionaries* reveal nearly four centuries of Quaker activism. A deft and thoughtful history, the film showcases Quakerism’s founding and documents the long-term impact of this quiet and often revolutionary faith.

**Gangster’s Gold**

In 1935, notorious gangster Dutch Schultz buried a fortune in gold worth over $50 million somewhere in New York State—but before he could retrieve it, the Mob took him out, leaving the fortune still unfound to this day. Now, armed with modern technology and newly uncovered clues, three groups of treasure hunters set out to find the long-lost “Gangster’s Gold” and solve an 85-year-old mystery.

**Spying on the Royals**

*Spying on the Royals* tells the secret story of what may be the most controversial surveillance in British history. On the frozen weekend of December 5, 1936, a nerve-shredded King Edward VIII sat alone at Buckingham Palace. He secretly phoned his brother, to tell him he could no longer be King if it meant abandoning the woman he loved. His brother was the future King George VI. Edward’s lover was Wallis Simpson. Little did they know that others were secretly listening to their calls. Years later, when Edward and Wallis visited an exclusive American resort, they thought they were enjoying an intimate break in complete privacy. In fact their every word was recorded, their room bugged with secret microphones, and their phone tapped. The greatest royal romance of the 20th century can now be seen through a unique new perspective: the secret files of those who spied on Edward VIII, Wallis Simpson and a King-to-be in their own words from the time, and eyewitnesses still living today.
The Codebreaker tells the fascinating story of Elizabeth Smith Friedman, the groundbreaking cryptanalyst whose painstaking work decoding thousands of messages for the U.S. government would send infamous gangsters to prison and bring down a massive, near-invisible Nazi spy ring in WWII. A suburban wife and mother who led a secret double life, her remarkable contributions to the science of cryptography would only come to light decades after her death, when classified government files were unsealed. But together with her husband, the legendary cryptologist William Friedman, Elizabeth helped develop the codebreaking methods that led to the creation of the powerful new science of cryptography and laid the foundation for modern codebreaking today. 1x60 HD

The Vote
The Vote is the dramatic story of the fiery and unrelenting campaign to grant women the right to vote, a transformative cultural and political movement that resulted in the largest expansion of voting rights in U.S. history. The battle for the vote also upended previously accepted ideas about the role of women in culture and society and challenged the definitions of citizenship and democracy. Exploring how and why millions of 20th-century Americans mobilized for—and against—women’s suffrage, The Vote brings to life the deep controversies over gender roles and race that divided Americans—and continue to dominate political discourse today. 4x60, 2x120 HD

Tiananmen: The People Versus the Party
Tiananmen: The People Versus the Party tells the gripping narrative of a period of just seven weeks in which the whole future of China today was founded, and where at various crucial turning points the final outcome could have avoided massive bloodshed. 2x52, 1x112 HD

Spain’s Secret Conquest
Spain’s Secret Conquest uncovers one story of America’s past that never made it into textbooks. Follow some of America’s leading archaeologists, maritime scientists, and historians as they share the story of Spain’s earliest explorers. It’s a story that has taken more than 450 years to reveal. 2x60 HD

Harbor From the Holocaust
Harbor From The Holocaust is the story of nearly 20,000 Jewish refugees fleeing Nazi-occupied Europe during World War II, to the Chinese port city of Shanghai. The film features extraordinary recollections and unique relationship with their adopted city. Rivaling all elements and in tragic contrast to those who could not escape, this is a Holocaust story of life. 1x60 HD

The Dictator’s Playbook
From Mussolini to Saddam Hussein, dictators have shaped the world we live in. What drove their thirst for domination and control? How did they seize and wield power? What forces rose up against them or resisted them in secret? How did they finally come to the bitter end? Today these questions are more relevant than ever. 6x54 HD

The Codebreaker
WQED

WGBH

GETTY IMAGES

pbsinternational.org 7
The Nazi Games—Berlin 1936
The Nazi Games—Berlin 1936 chronicles the story of how the Nazis and the International Olympic Committee (IOC) turned, to their mutual advantage, a relatively small, elitist, sports event into an epic global and mass media spectacle that, despite the IOC’s determined attempts to forget, continues to this day. The grand themes from the 1936 Games are repeated with every quadrennial reprise: architectural grandiosity, catastrophic budget overruns, corruption, bribery, collusion with unsavory characters—including dictators and autocrats—and the unrelenting myth of heroic physical achievement. Despite the modern Olympic Games being “revived” in 1896 in Athens, the Games as we have come to know them were shaped by the collaboration of interests between the Nazis and the IOC in Berlin in 1936. 4x60, 1x120 HD

Munich ’72 and Beyond
During the second week of the 1972 Summer Olympic Games in Munich, fear and worry had already been expressed by some over the safety of Israeli competitors. Then, on September 5th, eight members of the Palestine Liberation Organization’s Black September faction scaled the fence into the Olympic Village with assault rifles, pistols and grenades in-tow. Munich ’72 and Beyond tells the story of the Munich Massacre where eleven Israeli Olympic team members were taken hostage and subsequently executed. This striking documentary retells the story with personal interviews from those related to the murdered athletes and documents the building of a memorial 44 years later. 1x45 HD

Not Done: Women Remaking America
The women’s movement has gone mainstream: from the first female presidential nominee to the inclusion of a woman of color on a major party ticket, from the Women’s March to #MeToo, from Black Lives Matter to the fight for trans lives. Premiering amid an unprecedented pandemic and widespread social upheaval, Not Done shines a light on today’s feminists who are paving the way for true equality. 1x60 HD

Mr. Tornado
The Super Outbreak of 1974 was the most intense tornado outbreak on record, tearing a vicious path of destruction across thirteen states, generating 148 tornadoes from Alabama to Ontario, damaging thousands of homes, and killing more than 300 people. Meteorologist Tetsuya Theodore “Ted” Fujita spent ten months studying the outbreak’s aftermath in the most extensive aerial tornado study ever conducted, and through detailed mapping and leaps of scientific imagination, made a series of meteorological breakthroughs. His discovery of “microbursts,” sudden high wind patterns that could cause airplanes to drop from the sky without warning, transformed aviation safety and saved untold numbers of lives. Mr. Tornado is the remarkable story of the man whose groundbreaking work in research and applied science saved thousands of lives and helped prepare for and respond to dangerous weather phenomena. 1x53 HD
Illuminating the stories of extraordinary American heroines from the early years of feminism, The Changemakers from AMERICAN MASTERS is a multimedia series consisting of a one-hour special for broadcast and 26 digital short films featuring courageous, little-known and diverse female trailblazers from the turn of the 20th century. These women achieved many firsts, including earning an international pilot’s license, becoming a bank president, founding a hospital, fighting for the desegregation of public spaces, exploring the Arctic, opening a film studio and singing opera at Carnegie Hall. Presenting history in a bold new way, The Changemakers brings these incredible stories back to life through original artwork and animation, rare historical archival footage, and interviews with descendants, historians and accomplished modern women who reflect upon the influence of these pioneers. 1x60 HD + 26 x various shorts

Voice of Freedom
On Easter Sunday, 1939, contralto Marian Anderson stepped up to a microphone in front of the Lincoln Memorial. Inscribed on the walls of the monument behind her were the words “all men are created equal.” Barred from performing in Constitution Hall because of her race, Anderson would sing for the American people in the open air. Hailed as a voice that “comes around once in a hundred years” by maestros in Europe and widely celebrated by both white and Black audiences at home, her fame hadn’t been enough to spare her from the indignities and outright violence of racism and segregation. Voice of Freedom interweaves Anderson’s rich life story with this landmark moment in history, exploring fundamental questions about talent, race, fame, democracy, and the American soul. 1x60 HD

Asian Americans
Asian Americans delivers a bold, new perspective that will surprise, move and inspire audiences. The five-part documentary series traces the epic story of Asian Americans, spanning 150 years of immigration, racial politics, international relations and cultural innovation. Through the lens of the country’s fastest growing population, Asian Americans illuminates the way one group of Americans, who were long excluded and considered outsiders, have pursued two visions of the American Dream: one of opportunity and a better life, but also the pursuit of ideals of equality and a more perfect union. Their stories are a celebration of the grit and resilience of a people that reflects the experience of all Americans. 5x55 HD

George W. Bush
The latest in AMERICAN EXPERIENCE’s award-winning series of presidential biographies, George W. Bush is a two-part look at the life and presidency of Bush, from his unorthodox road to the presidency through the contested election of 2000, when a Supreme Court ruling resulted in his becoming the 43rd President. The film chronicles the tumultuous events, domestically and internationally, that dominated Bush’s eight years in office—including the terrorist attacks of September 11, 2001, the subsequent war in Iraq, the search for weapons of mass destruction, Hurricane Katrina, and the most serious financial crisis since the Great Depression. 4x60, 2x112 HD

The White House: The Inside Story
Celebrate the 200-year history of the White House through the stories of the First Families who have called it home, and through the recollections of workers, historians and members of the press who have spent time within the illustrious building. Standing at the epicenter of global politics, in the heart of the nation’s capital, the story of the White House is the story of America itself. 1x115, 2x54 HD

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PARTISAN PICTURES

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VERNON JORDAN
MAKE IT PLAIN

This special explores Vernon Jordan’s rise from the segregated South, his tenure as the head of several civil rights organizations, and his current position as a partner at a corporate law firm and financial behemoth Lazard. Jordan is one of the most influential African American thought leaders in America. 1x60 HD

Mirror, Mirror On The Wall
A plastic surgeon and self-proclaimed artist seizes the spotlight for daring plastic-surgery performances. Mirror, Mirror is a tale about vanity and loneliness; an investigation into our beauty-obsessed world, putting selfie culture on the operating table and calling into question the impact this is having on us all—both as individuals and society. 1x53, 1x85 HD

Dick Van Dyke
This Pioneers of Television profile of Dick Van Dyke’s life and career is packed with fun clips from landmark productions like The Dick Van Dyke Show, Mary Poppins, and Diagnosis Murder. This film also offers a fascinating look at Dick’s lesser-known projects: the variety show that beat out Saturday Night Live for an Emmy; his serious turn in the much-acclaimed film The Comic, and his recent singing career as the lead of The Vantastix. It’s the story of a career that exemplifies the best in family entertainment. 1x55 HD

Maya Angelou:
And Still I Rise
This unprecedented film celebrates Dr. Maya Angelou by weaving her words with rare and intimate archival photographs and videos which paint hidden moments of her exuberant life during some of America’s most defining moments. From her upbringing in the Depression-era south to her work with Malcolm X in Ghana to her inaugural speech for President Bill Clinton, the film takes us on an incredible journey through the life of a true American poet, author and icon. 1x114 HD

Betty White
Betty White’s 80+ years in television is officially the longest career in the history of TV. She was the first woman to produce a national TV show, the first woman to star in a sitcom, and the first woman to receive an Emmy nomination. This look at Betty White’s life is packed with hilarious clips from her long career, including her roles as the bawdy Sue Ann on The Mary Tyler Moore Show, the innocent Rose on Golden Girls, and the worldly Elka on Hot in Cleveland. 1x55 HD

WINNER AUDIENCE AWARD AT VISIONS DU RÉEL 2020

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DOCDAYS PRODUCTIONS
Carol Burnett

This film presents an entertaining look at the career of Carol Burnett. Packed with clips from her greatest performances—and funniest sketches. The documentary features interviews with Tim Conway, Vicki Lawrence, Carl Reiner, Betty White, Dick Van Dyke, Jim Nabors, Phyllis Diller, Pat Carroll, Tony Orlando, Cloris Leachman, Barbara Eden, Tina Fey—and Carol herself. 1x55 HD

Mae West: Dirty Blonde

Mae West achieved great acclaim in every entertainment medium that existed during her lifetime, spanning eight decades of the 20th century. A full-time actress at seven, a vaudevillian at 14, a dancing sensation at 25, a Broadway playwright at 33, a silver screen ingénue at 40, a Vegas nightclub act at 62, a recording artist at 73, a camp icon at 85—West left no format unconquered. She possessed creative and economic powers unheard of for a female entertainer in the 1930s and still rare today. Though she was a comedian, West grappled with some of the more complex social issues of the 20th century, including race and class tensions, and imbued even her most salacious plotlines with commentary about gender conformity, societal restrictions and what she perceived as moral hypocrisy. 1x52, 1x83 HD

Laura Ingalls Wilder

Laura Ingalls Wilder: Prairie to Page presents an unvarnished look at the unlikely author whose autobiographical fiction helped shape American ideas of the frontier and self-reliance. A Midwestern farm woman who published her first novel at age 65, Laura Ingalls Wilder transformed her frontier childhood into the best-selling “Little House” series. Featuring never-before-published letters, photographs and family artifacts, the film explores the context in which Wilder lived and wrote, as well as the true nature of her personality. Victor Garber (Argo, Alias, Titanic) narrates, with Academy Award nominee Tess Harper (No Country for Old Men, Breaking Bad, Crimes of the Heart) reading Laura Ingalls Wilder and Amy Brenneman (NYPD Blue, Judging Amy, The Leftovers) reading Rose Wilder Lane. 1x90 HD

Poetry in America: Season 2

In the second season of Poetry in America, guests join Elisa New for a lively and immersive discussion of the poems of Marilyn Chin, Elizabeth Bishop, Marianne Moore, Mark Doty, Yusef Komunyakaa, Stephen Sondheim, William Carlos Williams, and Walt Whitman. Each episode mixes lively discussion with archival materials, location footage and vivid animation. The series offers audiences an immersive and accessible experience in reading poems that touch on many aspects of American life, past and present. 9x30; Season 1: 12x25 HD

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Nature's Fear Factor
A bold experiment to bring fierce African wild dogs back to Gorongosa National Park in Mozambique reveals how predators—and the fear they trigger—play a surprising and crucial role in keeping wild ecosystems healthy. It's a grand experiment with risks all around. Will the rare wild dogs survive the relocation, bond into a pack, and find a new home in the park? Will their arrival harm prey species recovering from a war that shattered the lives of humans and animals alike? Or will the wild dogs set this fabled national park on the road to health and balance, and be a beacon of hope for environmental recovery efforts worldwide? **1x60 HD**

Rise of the Mammals
Sixty-six million years ago, an asteroid slammed into Earth, bringing the dinosaurs' reign to a fiery end. But from this catastrophe, tiny mammal survivors were able to emerge from the shadows and flourish. Today we live in the age of mammals, with a staggering array of species, from lions to bats to whales. But how did our predecessors evolve so rapidly and diversify into the range of creatures we know today? An astonishing new trove of fossils is finally providing some answers. NOVA takes you to Colorado, where fossils hidden inside ordinary-looking rocks provide a dramatic picture of how life rebounded in the first million years after the asteroid impact. They show how plants and animals evolved together, and how rat-sized mammals—safe from dinosaurs' jaws—ballooned in size at an astounding rate. What the fossils tell us may transform our understanding of our fellow mammals—and how life can recover after a mass extinction. **1x53 HD**

The Serengeti Rules
Academy Award-winning Passion Pictures and HHMI Tangled Bank Studios present one of the most important but untold science stories of our time—a tale with profound implications for the fate of life on our planet. Beginning in the 1960s, a small band of young scientists headed out into the wilderness, driven by an insatiable curiosity about how nature works. Immersed in some of the most remote and spectacular places on Earth—from the majestic Serengeti to the Amazon jungle; from the Arctic Ocean to Pacific tide pools—they discovered a single set of rules that govern all life. Now in the twilight of their eminent careers, these unsung heroes of modern ecology share the stories of their adventures, reveal how their pioneering work flipped our view of nature on its head, and give us a chance to reimagine the world as it could and should be. **1x51, 1x84 HD**

The Good, the Bad, and the Deadly
Don't let the fences and cattle fool you, this classic Texas ranch is still the Wild West and it has the wild animals to prove it. From a coterie of black-tailed prairie dogs just beyond the ranch fences, to a black widow spider in the barn stalls, there is much more to a Texas ranch than meets the eye. In The Good, The Bad, and the Deadly, see how life is all about working together to get things done. **1x48 HD**

Gatorlands
The unforgiving Gatorlands on the Gulf of Mexico are home to many wild creatures. Lurking in its waters are American alligators, searching for their next meal. But in this swamp, you don't need to be big to get a meal...just ask the Leafcutter ant who can wipe out all the leaves from a tree in a single night. Living in a swamp means being ready for anything. **1x48 HD**
On the Front Line: The Rangers of Gorongosa National Park

In Mozambique’s Gorongosa National Park, a team of 260 Rangers are charged with protecting this beautiful conservation area from a host of threats such as poaching and illegal logging. Hundreds of candidates from local communities gather to participate in the intensive physical and mental examinations required to be considered eligible to become a Gorongosa Ranger. For the first time in the history of the park, women are able to sign up for the job. This documentary tells the inspiring story of the rangers who are chosen to proudly wear the uniform. 1x57, 1x84 HD

DEATH VALLEY

Just beyond the Hollywood Hills homes of the rich and famous, life is anything but easy. Death Valley is known as one of the hottest, most inhabitable places on Earth. Yet against all odds—there is life in the tortoises, roadrunners, and coyotes that call the desert their home. See how humans and animals alike survive this inhospitable landscape. 1x48 HD

Cat Tales

They may have stolen many hearts—and the internet—but cats can be perplexing pets. As cuddly and playful as they are aloof and uncaring, they’ve often raised the question: Did humans ever really domesticate felines? And what more can science tell us about a relationship that predates history? 1x54 HD

Dog Tales

Dogs have long been dependable companions by our sides. But it wasn’t always that way, and a look at their closest living relative, the wolf, makes it clear why. Research into dog domestication and intelligence offers clues into what the human-dog relationship is all about. And analyzing dogs’ brain activity and genes may even help answer the question of whether dogs are in it for the food—or if they really love us. 1x54 HD

ALSO AVAILABLE

Are You Smarter Than Your Pet? 2x44 HD
Furever 1x56, 1x80 HD
What Are Animals Thinking? 1x53 HD

When Whales Walked: Journeys in Deep Time

They are the most iconic animals on Earth—whales and birds of prey, ferocious crocodiles and magnificent elephants. To see them is to marvel—and to ask a surprisingly challenging question: Where did these amazing creatures come from? When Whales Walked: Journeys in Deep Time takes us on a global adventure to find the answer. 2x54, 1x114, 1x85 HD
SCIENCE

DOES SEX REALLY MATTER?

All over the world, a strange trend in healthcare is emerging. Diseases are killing far more men than women. The global female cancer death rate is 50 percent lower than male, 26 percent fewer women die of tuberculosis, diabetes kills 17 million more men in a year than women, and 40 percent fewer women die of HIV. So why are so many men dying of these diseases? Are men the weaker sex? In this one-off special, we go on a gripping journey of discovery to solve the mystery of why women are so much more robust than men. 1x60 HD

POWER TRIP: THE STORY OF ENERGY

The story of how societies rise can be told by tracing the story of energy. Power Trip: The Story of Energy explores humanity’s most important resource by revealing the energy embedded in our water, food, wealth, cities, transportation and war. As our modern world faces growing demand for and worsening environmental impacts from energy, we are at a crossroads and the stakes are high. But history shows us that energy’s great value is that it allows societies to reinvent themselves. Filmed in stunning locations around the world, Power Trip explores how energy has transformed societies of the past and offers wisdom for today’s looming energy crisis. Energy advances always come with costs, some of which won’t be seen until centuries later. Our current energy crisis is real, but it is solvable. We have the power. 6x60 HD

LOOKING FOR LIFE ON MARS

For the first time, in February 2021, a rover will attempt a risky landing in Jezero Crater, the coveted site of an ancient river delta that could possibly be a cradle of life. If the rover, called Perseverance, finds signs of life from when Mars was a watery planet like Earth, it could mean life is more likely to exist elsewhere in the solar system—and beyond. But getting to Jezero isn’t easy, as the crater’s boulders and cliffs make it a dangerous place to land. If successful, Perseverance will comb the area and collect samples for possible return to Earth. Traveling onboard the rover is a four-pound helicopter that will conduct a series of test flights—the first on another planet. During its journey, Perseverance will also test technology designed to produce oxygen from the Martian atmosphere, in hopes that the gas could be used for fuel—or for humans to breathe—on future missions. 1x60 HD

DECODING COVID-19

The coronavirus SARS-CoV-2 has upended life as we know it. An unprecedented global effort to understand and contain the virus—and find a treatment for the disease it causes—is underway. Join the doctors on the front lines of the fight against COVID-19 as they strategize to stop the spread, and meet the researchers racing to develop treatments and vaccines. Along the way, discover how this devastating disease emerged, what it does to the human body, and why it exploded into a pandemic. 1x54 HD

DOES SEX REALLY MATTER?

All over the world, a strange trend in healthcare is emerging. Diseases are killing far more men than women. The global female cancer death rate is 50 percent lower than male, 26 percent fewer women die of tuberculosis, diabetes kills 17 million more men in a year than women, and 40 percent fewer women die of HIV. So why are so many men dying of these diseases? Are men the weaker sex? In this one-off special, we go on a gripping journey of discovery to solve the mystery of why women are so much more robust than men. 1x60 HD

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First We Eat
First We Eat puts food security to the test in the far North of Canada. Filmmaker Suzanne Crocker, living just 300 kilometres from the Arctic Circle, removes absolutely all grocery store food from her house. For one year, she feeds her family of five, only food that can be hunted, fished, gathered, grown or raised around Dawson City, Yukon. Add three skeptical teenagers, one reluctant husband, no salt, no caffeine, no sugar, and -40 temperatures. Ultimately the story becomes a celebration of community and the surprising bounty of food that even a tiny community in the far North can provide. 1x55, 1x101 HD

Cuba's Cancer Hope
When the U.S. trade embargo left Cuba isolated from medical resources, Cuban doctors were forced to get creative. Now they've developed lung cancer vaccines that show so much promise, some Americans are defying the embargo and traveling to Cuba for treatment. In an unprecedented move, Cuban researchers are working with U.S. partners to make the medicines more widely available. 1x54 HD

Mysteries of Sleep
From fruit flies to whales, virtually every animal sleeps. But why do we need to spend nearly a third of our lives in such a vulnerable, defenseless state? Scientists are peering more deeply into the sleeping brain than ever before, discovering just how powerful sleep can be, playing a role in everything from memory retention and emotional regulation to removing waste from our brains. So why are we getting so little of it? 1x53 HD

Ken Burns Presents
The Gene: An Intimate History
The Gene: An Intimate History, a major new documentary from Ken Burns and Barak Goodman, tells the story of the stunning revolution in genetics that is transforming medical science through the experience of patients and scientists leading the search for cures to some of the world’s rarest and most complex diseases. 4x54, 2x114 HD

SECRETS IN OUR DNA
Some 30 million people have sent their DNA to be analyzed by companies like 23andMe and AncestryDNA, hoping to obtain clues to family origins and forecasts of their future health. Some users have found family members and discovered lurking genetic risks. But what happens once the sample is in the hands of testing companies? What are they looking at and how accurate are their results? NOVA explores the power of this information and the unintended consequences that can arise from sharing our data with these rapidly growing online databases. DNA results that report on health risks can be misleading, and the discovery of intimate family secrets can tear relationships apart. Meanwhile, law enforcement is increasingly turning to the DNA-sharing website GEDmatch as an extraordinarily powerful tool for cracking cold cases, as demonstrated by the 2018 arrest of California’s notorious Golden State Killer after 42 years at large. What is the peril and promise of consumer DNA testing? 1x60 HD
Picking up where he left off in *Hunting the Elements*, David Pogue sets out on a worldwide quest to find the key molecules and chemical reactions that have paved the way for human civilization, life, and even the universe as we know it. **3x60 HD**

**REATIONS**: Discover the chemical reactions that constantly transform our world. Like one that enables us to feed billions but when reversed, is explosive. And lock-and-key molecules that put the heat in hot peppers or make deadly venoms useful to medicine.

**INDESTRUCTIBLE**: Scientists have created virtually indestructible versions of glass, rubber, and plastic. But are they too tough? As the environmental impact of the quest for durability becomes clear, scientists look for ways to maintain utility but minimize harm.

**LIFE**: Without the chemistry of photosynthesis, ozone, and a molecule called Rubisco, none of us would be here. So how did we get so lucky? To find out, host David Pogue investigates the surprising molecules that allowed life on Earth to begin, and ultimately thrive. Along the way, he finds out what we’re all made of—literally.
**The Frozen Chosen**

For sixteen days each winter a vast frozen lake in North America becomes the epicenter of an ancient ritual. Brave hunters venture out on the windswept ice armed with seven-foot spears. Their quarry is a prehistoric fish, the Giant Lake Sturgeon (*Acipenser fulvescens*). These living fossils are virtually unchanged from their ancestors that lived 100 million years ago in the age of the dinosaurs. Lake Sturgeon can live for over 100 years and grow to 300 pounds. *The Frozen Chosen* brings you face to face with these giant fish and shoulder to shoulder with the hunters obsessed with hunting them. 1x53 HD

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**The Truth About Fat**

For generations, fat has been the enemy, and overweight individuals have been stigmatized and shamed. But scientists are coming to understand fat as a fascinating and dynamic system akin to an organ—one whose size has more to do with biological processes than personal choices. Through real life stories, explore how fat plays a role in hormone production and can even affect hunger levels and a woman's ability to get pregnant. 1x54 HD

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**A to Z: The First Alphabet**

Just as writing changed the course of human history, the evolution of paper and printing revolutionized the spread of information. The printing press kicked off the Industrial Revolution that fast-tracked us to the current digital age. But as the millennia-old tradition of penmanship falls out of favor, should we consider what might be lost in this pursuit of ever more efficient communication? 1x60 HD

**A to Z: How Writing Changed the World**

Where would we be without the world's alphabets? Writing has played a vital role in the expansion and domination of cultures throughout history. But researchers are only now uncovering the origin story to our own alphabet, which may have gotten its beginnings in a turquoise mine thousands of years ago. From the shape of the letter A to the role of writing in trade and storytelling, discover how the written word shaped civilization itself. 1x60 HD

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**CAN WE COOL THE PLANET?**

Extreme weather and rising seas are causing global unrest, and many scientists believe that if we cannot curb planetary warming, it could pose an existential threat to human civilization. As it becomes clear that emission reductions alone may not be enough to avoid dire effects of climate change, a growing collective of scientists and engineers are developing technologies to hack Earth's operating system—from manipulating our atmosphere to reflect sunlight, to sucking carbon dioxide right out of the air, to enlisting plants to do the job for us. This is the controversial landscape of geoengineering—the effort to build controls for Earth's thermostat. NOVA joins scientists and skeptics alike to examine technologies that could help us combat a looming threat. 1x60 HD
Exploring Nature’s Ingenious Inventions!

Ages: 3–5
74x11’ (delivered as 37x25’) + 1x55’ Special HD

This funny and engaging show follows a curious bunny named Elinor as she asks the questions in every child’s mind and discovers the wonders of the world around her. Whether it’s borrowing tricks from birds and fish to make a go-cart go faster, or imitating animal camouflage techniques to improve at hide-and-seek, Elinor and her friends Ari and Olive explore the wonderful and amazing ways that nature connects to our everyday lives. Each episode encourages children to follow their curiosity about nature, to ask questions they don’t understand and to find answers using basic science practices. Elinor and her friends are fascinated by their discoveries and enjoy learning more about the world. Who would have thought that nature’s ingenious inventions could lead to so much fun? This series is filled with curiosity, nature and wonder, while encouraging children and parents at home to ask their own questions and experience the joy of discovery and understanding.

Animated Adventure Comedy!

Ages: 4–8
76x11’ (delivered as 38x25’) + 1x60’ Special HD

Dive into the great outdoors with Molly of Denali! Molly, a feisty and resourceful 10-year-old Alaskan Native, her dog Suki, and her friends Tooey and Trini take advantage of their awe-inspiring surroundings with daily adventures, including everything from building snow forts to delivering a camera to friends on a volcano via dog sled! Molly not only vlogs about her adventures, but she also uses resources like books, maps, field guides, and local experts to encourage curiosity, learn about her environment, and help in her community. Molly’s Alaskan village and the great Denali National Park offer a rich backdrop through which Molly shares her life in Alaska with kids all over the world. Come join the adventure!

Longest Running Animated Sitcom for Kids!

Ages: 4–8
428x12’ (delivered as 214x26’) + 4, 1-hr Specials HD

Imaginations run wild as Arthur and his friends solve childhood crises like homework, teacher relationships, losing baby teeth, and bullies. All done with kindness, honesty, determination, and a lot of humor!

Intrepid Adventurers!

Ages: 6–11
26x23’ HD

Joe, Sam, and Fred teleport back in time for incredible adventures with historical legends like Blackbeard the pirate, Amelia Earhart, and Leonardo da Vinci.
Pinkalicious & Peterrific™

Ages: 4–8
102x11' (delivered as 51x25') + 2x44' Specials HD

Based on the international best-selling children's book series, Pinkalicious & Peterrific follows the adventures of Pinkalicious and her little brother Peter as they explore Pinkville and imagine creative possibilities everywhere they look. In each episode, Pinkalicious and her friends use creative thinking to approach problems and communicate through the arts. Featuring the vibrant artwork of author and illustrator Victor Kann, Pinkalicious & Peterrific is designed to help preschool-age children engage in the creative arts and self-expression, covering the areas of music, dance and visual arts.

Mister Rogers' Neighborhood®

Ages: 2–5
100x29'

For more than 30 years, Mister Rogers created a relationship with millions of children—each of whom felt like they were visiting a trusted friend. Filled with real-life guests, interesting field trips and charming make-believe segments, each episode of Mister Rogers' Neighborhood encouraged children to explore the world around them and discover something new!

WordWorld™

Ages: 3–5
90x12' (delivered as 45x26') HD

Welcome to WordWorld, where words come alive and save the day! In WordWorld, Duck and his WordFriends go on comedic adventures and face challenges that can only be solved by building the right word—letter by letter and sound by sound.

FETCH!™

Ages: 6–10
75x27'

Part game show, part reality TV, part spoof, FETCH! Features real kids, real science, real challenges, and an unreal host named Ruff Ruffman. True to the reality of reality TV, the kids have NO idea what they're getting into until they're off! FETCH! is spontaneous, unscripted and full of twists!

Where Words Come Alive!

A Beloved Classic!

An Animated/Live-Action Game Show!

A Curious & Charming Trio Investigating the World!

Globe Trotting with Buster!
Finding Your Roots: Season 7

Renowned scholar Dr. Henry Louis Gates, Jr. returns for an all-new season of Finding Your Roots. Over the course of ten episodes, Gates uses genealogical detective work and cutting-edge DNA analysis to guide twenty influential guests through the branches of their family trees, traveling hundreds of years into the past to discover people and places long forgotten. From coastal towns in Italy to rural villages in Russia to the slave plantations of the antebellum South, the surprising stories of extraordinary ancestors are brought back to life from the annals of history.

The season features actors Glenn Close, John Lithgow, Jane Lynch, Christopher Meloni, and Tony Shalhoub; Broadway stars Audra McDonald and Mandy Patinkin; filmmakers Kasi Lemmons and John Waters; talk show host and author Andy Cohen; journalists Gretchen Carlson, Maria Hinojosa, Don Lemon, and Nina Totenberg; comedians Lewis Black, Jim Gaffigan, and Roy Wood, Jr.; and musicians Clint Black, Rosanne Cash, and Pharrell Williams. 10x60 HD