

Uploaded Date	Channel	Video URL	Video Title	Description
2023 05 30	NASA Glenn Research Center	https://youtu.be/lj4IEF9MqNM	NASA's Modern History Makers Kamana Katiyar	<p>NASA's Sound Bites video series celebrates members of our workforce and shares their diverse experiences and insights. On this episode, we meet one of NASA's Modern History Makers Kamana Katiyar.</p> <p>NASA was the ultimate aspiration for Kamana Katiyar. From the time she was a child, she was intrigued by her father's work as an engineer and dreamed of following in his footsteps. With resilience and adaptability learned from her mother, Katiyar made her dreams a reality, beginning an engineering career at NASA supporting various aeronautics and spaceflight test facilities.</p> <p>Today, she helps manage labs and facilities the agency uses to prepare for missions such as Artemis and Quesst. In her free time, Katiyar loves photography, skydiving, scuba diving, and traveling. Watch to hear more of her story, including her advice for youth and favorite Indian dish to recommend.</p> <p>NASA is in a Golden Era of aeronautics and space exploration. In partnership with commercial and private businesses, NASA is currently making history with significant missions such as Artemis, X-57 Maxwell, and X-59 Quesst. The NASA's Modern History Makers series highlights members of NASA Glenn's workforce who make these remarkable missions possible.</p>

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2023 05 25	NASA Glenn Research Center	https://youtu.be/JiBM D6sYbs	NASA's Modern History Makers Wayne A. Wong	<p>NASA's Sound Bites video series celebrates members of our workforce and shares their diverse experiences and insights. On this episode, we meet one of NASA's Modern History Makers, Wayne A. Wong. At an early age, Wong was torn between his passion for the arts and storytelling and a love of science and math. Ultimately, he chose a path to engineering and, eventually, NASA's Glenn Research Center in Cleveland where he leads a team of scientists and engineers who are building next generation space power systems. His work focuses on thermal energy conversion technologies that power spacecraft built to explore the dark, dusty, and distant environments in our solar system—places where solar energy is not practical. Though his chosen career field is in STEM, Wong still finds time to lead a volunteer team of dragon dancers, and foster creative pursuits as an actor, filmmaker, and writer.</p> <p>NASA is in a Golden Era of aeronautics and space exploration. In partnership with commercial and private businesses, NASA is currently making history with significant missions such as Artemis, X-57 Maxwell, and X-59 Quesst. The NASA's Modern History Makers series highlights members of NASA Glenn's workforce who make these remarkable missions possible.</p>
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2023 04 21	NASA Glenn Research Center	https://youtu.be/3DJ4ti1h7rU	NASA's New 3D-Printed Superalloy Can Take the Heat	<p>NASA has demonstrated a breakthrough in 3D printable high-temperature materials that could lead to stronger, more durable parts for airplanes and spacecraft.</p> <p>NASA Alloy GRX-810, an oxide dispersion strengthened (ODS) alloy, can endure temperatures over 2,000 degrees Fahrenheit, is more malleable, and can survive more than 1,000 times longer than existing state-of-the-art alloys. These new alloys can be used to build aerospace parts for high temperature applications, like those inside aircraft and rocket engines, because ODS alloys can withstand harsher conditions before reaching their breaking point. More details: https://go.nasa.gov/3UQTjI0</p> <p>Video Credit: NASA/ Jordan Salkin</p>	Transcript Link
2023 04 07	NASA Glenn Research Center	https://youtu.be/VpRSkRabQ1k	2024 Eclipse Countdown Kickoff	<p>Just one year from now, on April 8, 2024, Northeast Ohio will be in the path of totality for a total solar eclipse. This is a once-in-a-lifetime occurrence – the last time Ohio saw a total solar eclipse was 1806, and after 2024, Ohio won't see another total solar eclipse until 2099!</p> <p>To help spread this news, astronauts Frank Rubio and Stephen Bowen sent a special message from the International Space Station.</p>	Transcript Link
2023 03 29	NASA Glenn Research Center	https://youtu.be/WOmNiQ7rNk	NASA's Modern History Makers Carrie Green	<p>NASA's Sound Bites video series celebrates members of our workforce and shares their diverse experiences and insights. On this episode we meet Carrie Green, deputy safety mission and assurance lead for the European Service Module.</p> <p>The service module supplies the Orion spacecraft's main propulsion system and power, and on future missions will house life support systems for astronauts. Green's work helps NASA understand and mitigate risks related to spaceflight and ensure our missions are safe. When she reflects on the younger version of herself, a girl who was passionate about space and wanted to be the first woman on Mars, she is struck by the irony. Perseverance and a belief in her purpose, things she learned from her mother, have led to a career at NASA where she is at the forefront of human exploration.</p>	Transcript Link
2023 03 16	NASA Glenn Research Center	https://youtu.be/TiQhOlvEy-4	NASA's Modern History Makers Peggy Cornell	<p>NASA's Sound Bites video series celebrates members of our workforce and shares their diverse experiences and insights. On this episode, we meet one of NASA's Modern History Makers, Peggy Cornell, deputy manager of NASA's Commercial Supersonic Technology project. Her work is helping revolutionize aviation and could make supersonic flight over land a possibility through NASA's Quesst mission. Cornell also supports NASA's X-57 Maxwell all-electric aircraft and previously worked on pioneering projects focused on electric vertical take-off and landing vehicles. As a kid, her love of aviation and space, and a desire to become an astronaut led Cornell to immerse herself in STEM. Although she did not become an astronaut, her perseverance and resolve have resulted in an engineering and management career supporting some of the agency's most noteworthy missions and projects.</p>	Transcript Link

2023 02 09	NASA Glenn Research Center	https://youtu.be/eKVAiuixDho	Josh Dobbs Goes Inside NASA's Neil A. Armstrong Test Facility	Thanks to Josh Dobbs for stepping into our zone! While in Ohio, the pro football athlete (and former NASA extern) stopped by to tour our research labs. With his educational background in aerospace engineering, he fit right into our huddle. Check out his visit to the Neil Armstrong Test Facility, home to the world's largest and most powerful space simulation chambers.	Transcript Link
2023 02 09	NASA Glenn Research Center	https://youtu.be/-DYtUQ6vgx4	Josh Dobbs Goes Inside NASA's Glenn Research Center	What does it take to train like an astronaut? Watch pro football athlete Josh Dobbs learn how we develop exercises and equipment to help our International Space Station astronauts stay healthy while living and working in space.	Transcript Link
2022 12 29	NASA Glenn Research Center	https://youtu.be/ayGqeDyqKHA	NASA's Glenn Research Center 2022 Recap NASA Glenn Research Center	2022 was a year of unprecedented success! And we're just getting started. We've got plans for more history-making missions in 2023. Follow along at www.nasa.gov/glenn for more research and technology highlights. Video credit: NASA / Heather Brown New Glenn Launch Vehicle test video used with permission from Blue Origin.	Transcript Link
2022 12 06	NASA Glenn Research Center	https://youtu.be/FJO13BYk7-Q	NASA Conducts Acoustic Hover Test with Moog SureFly NASA Glenn Research Center	Noise levels are a common concern when the public thinks about the anticipated addition of new aircraft, such as air taxis and delivery drones, into the urban airspace. NASA's Advanced Air Mobility mission is working with private sector developers of electric vertical take-off and landing (eVTOL) aircraft to study the levels of noise they make. Moog SureFly is one of those partners. In the summer of 2022, researchers from NASA's Glenn Research Center in Cleveland traveled to Cincinnati Municipal Airport-- Lunken Field, where they acquired noise data as the Moog SureFly vehicle hovered over an array of 28 ground-level microphones. Glenn researchers will analyze and share the data with Moog.	Transcript Link
				Learn more at https://www.nasa.gov/feature/glenn/2022/nasa-conducts-acoustic-hover-test-with-moog-surefly	

2022 10 13	NASA Glenn Research Center	https://youtu.be/x0iyUkbf2UJ	Sound Bites Insights to Inspire Emilio Borges NASA Glenn Research Center	<p>On this episode of Sound Bites, NASA Computer Data Systems Engineer Emilio Borges talks about how curiosity and exploring new ideas will help you reach your dreams. He develops software that gives data engineers the tools to conduct tests on next generation aircraft components.</p> <p>We're celebrating #HispanicHeritageMonth with our Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible. More NASA people and professions: https://www.nasa.gov/about/people</p>	Transcript Link
2022 10 12	NASA Glenn Research Center	https://youtu.be/8E4Lj0phUgE	Power to Explore Student Challenge NASA Glenn Research Center	<p>If you are a K-12 student in the United States, your challenge is to dream up a new RPS-powered space mission and tell NASA all about it in 200 words or less.</p> <p>Go to rps.nasa.gov/STEM/power-to-explore/ to sign up and learn more.</p>	Transcript Link
2022 10 06	NASA Glenn Research Center	https://youtu.be/SBdvj0TL-AQ	Sound Bites Insights to Inspire Diana Santiago	<p>NASA materials research engineer Diana Santiago talks about how she is developing insulation materials for next generation electrified aircraft. She also shares advice for students who use English as a second language and wants them to get excited about STEM careers.</p> <p>We're celebrating #HispanicHeritageMonth with our Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible. More NASA people and professions: https://www.nasa.gov/about/people</p>	Transcript Link
2022 08 31	NASA Glenn Research Center	https://youtu.be/eVJrvpZZg0c	Go Inside NASA's Ballistic Impact Lab NASA Glenn Research Center	<p>Take a guided virtual tour of our Ballistic Impact Lab, where we test materials for aerospace vehicles and technology. Talk to engineers and see how they work in this lab. Informative and fun for students and NASA fans of all ages.</p>	Transcript Link

2022 08 23	NASA Glenn Research Center	https://youtu.be/MtwOaTMgeFQ	NASA's First Woman graphic novel, reviewed by Dr. Dionne Hernandez Lugo.	The "First Woman" graphic novel, which tells the fictional tale of Callie Rodriguez, the first woman to explore the Moon. This historic milestone will soon become reality as the first female astronaut sets foot on the Moon as part of future NASA Artemis missions. Be inspired and explore Callie's story:	Transcript Link
				<p>https://www.nasa.gov/calliefirst Graphic novel available in both English and Spanish. Video credit: NASA/Heather Brown, Dennis Brown, Jim Zunt</p>	
				<p>La novela gráfica "La primera mujer", que cuenta la historia ficticia de Callie Rodríguez, la primera mujer en explorar la Luna. Este hito histórico pronto se hará realidad cuando la primera mujer astronauta visite la Luna como parte de las futuras misiones Artemis de la NASA. Inspírate y explora la historia de Callie: https://www.nasa.gov/calliefirst</p>	
				<p>Novela gráfica disponible en inglés y español. Crédito del vídeo: NASA/Heather Brown, Dennis Brown, Jim Zunt</p>	
2022 08 19	NASA Glenn Research Center	https://youtu.be/3RSzZqY2BN8	Happy 25th Anniversary to the Great Lakes Science Center - Home of the NASA Glenn Research Center	Congratulations to Great Lakes Science Center, home to NASA Glenn's visitor center, on your 25th anniversary! Thank you for the many years of partnership to bring the excitement of science and STEM education to people across Ohio! #greatscience #staycurious #nasacle #nasaglenn	0
2022 07 28	NASA Glenn Research Center	https://youtu.be/slWggVxyGGs	Sound Bites Insights to Inspire National Intern Day Edition NASA Glenn Research Center.	Meet our NASA interns as we celebrate National Intern Day today! They come from all over the country and work across the spectrum of NASA's research missions. You'll love their enthusiasm about life and work. As we inspire future interns to dream big and join us in exploring the secrets of the universe, here are our intern's stories.	0
2022 07 25	NASA Glenn Research Center	https://youtu.be/dHbTIDXS9XI	Airventure 2022 - NASA Glenn Research Center	The 2022 #EAA AirVenture Oshkosh air show kicks off today. We're here through July 31 sharing our latest work to advance aircraft technology and return astronauts to the #Moon! If you're here, visit us in the @NASA pavilion to hear from our experts and explore demos—including a virtual reality flight in our X-59 supersonic aircraft.	Transcript Link

2022 05 26	NASA Glenn Research Center	https://youtu.be/TwmsxN_zOuo	Sound Bites Insights to Inspire John Wang NASA Glenn Research Center	<p>When the NASA's Artemis I mission launches on its historic mission around the Moon, John Wang will be watching closely. As an engineering project manager for the Orion spacecraft's European Service Module, he understands just how much work and dedication has led to this next step for human spaceflight.</p> <p>His advice: be curious, learn all you can, and treasure your first-hand experiences.</p> <p>We're celebrating Asian American Native Hawaiian and Pacific Islander heritage all month with our Sound Bites video series. Hear from members of our workforce and be inspired—their diverse experiences, insights, and talents are what make NASA missions possible. #AANHPI #AAPI #aapiheritagemonth</p>	Transcript Link
2022 05 18	NASA Glenn Research Center	https://youtu.be/er7NCUh282k	Sound Bites Insights to Inspire Diana Chan NASA Glenn Research Center	<p>Architect, Diana Chan didn't know her career path would lead her to NASA. When she's not modernizing workspaces and redesigning buildings, she is sharing her experience and culture to inspire others through STEM and educational outreach. Her advice: Don't be afraid to ask questions. Hear about Diana's latest project and favorite cultural traditions.</p> <p>We're celebrating Asian American Native Hawaiian and Pacific Islander heritage all month with our Sound Bites video series. Hear from members of our workforce and be inspired—their diverse experiences, insights, and talents are what make NASA missions possible. #AANHPI #AAPI #aapiheritagemonth</p>	Transcript Link
2022 05 11	NASA Glenn Research Center	https://youtu.be/BirE1IOg_hU	Sound Bites Insights to Inspire Paht Juangphanich NASA Glenn Research Center	<p>Meet Paht, a NASA research engineer who enjoys a good challenge. Whether choosing his degree and career or optimizing gas turbine engines for future aircraft, he never backs away from the tough tasks. His advice: keep challenging yourself and don't be afraid to make mistakes. Learn more about his path to NASA, favorite cultural tradition, and what inspires his work.</p> <p>We're celebrating Asian American Native Hawaiian and Pacific Islander heritage all month with our Sound Bites video series. Hear from members of our workforce and be inspired—their diverse experiences, insights, and talents make NASA missions possible. #AANHPI #AAPI</p>	Transcript Link

2022 03 22	NASA Glenn Research Center	https://youtu.be/DfnHt-h9D3Q	NASA's First Woman Graphic Novel Reviewed by Gretchen Morales-Valle	NASA electrical test engineer Gretchen Morales-Valle, shares her thoughts on our "First Woman" graphic novel, which tells the fictional tale of Callie Rodriguez, the first woman to explore the Moon. This historic milestone will soon become reality as the first female astronaut sets foot on the Moon as part of future NASA Artemis missions. Be inspired and explore Callie's story: https://www.nasa.gov/calliefirst Graphic novel available in both English and Spanish. Video credit: NASA/Heather Brown, Dennis Brown, Jim Zunt La ingeniera de pruebas eléctricas de la NASA Gretchen Morales-Valle comparte su opinión sobre nuestra novela gráfica "La primera mujer", que cuenta la historia ficticia de Callie Rodríguez, la primera mujer en explorar la Luna. Este hito histórico pronto se hará realidad cuando la primera mujer astronauta visite la Luna como parte de las futuras misiones Artemis de la NASA. Inspírate y explora la historia de Callie: https://www.nasa.gov/calliefirst Novela gráfica disponible en inglés y español. Crédito del vídeo: NASA/Heather Brown, Dennis Brown, Jim Zunt	Transcript Link
2022 03 04	NASA Glenn Research Center	https://youtu.be/rZLYOUVNyLI	Ohio Students Hear from NASA Astronauts Aboard Space Station March 2, 2022	Students from across the state of Ohio had an opportunity to hear from NASA Expedition 66 Flight Engineers Raja Chari and Tom Marshburn as the astronauts orbited Earth aboard the International Space Station. The two astronauts answered pre-recorded questions about life and work on the orbital laboratory during an in-flight event March 2.	Transcript Link
2022 02 28	NASA Glenn Research Center	https://youtu.be/YODvuQA3bg8	Sound Bites Insights to Inspire Ra-Deon Sledge NASA Glenn Research Center	As NASAGlenn's chief of staff, Ra-Deon Sledge assists our leadership in operating the center. Knowing NASA's technology impacts so many lives here on Earth serves as her everyday motivation. Her path to NASA came through a career as a singer. Hear her story. #BlackHistoryMonth	Transcript Link

2022 02 24	NASA Glenn Research Center	https://youtu.be/rdIGgzmlwSE	Sound Bites Insights to Inspire Dr. Jamesa Stokes NASA Glenn Research Center	Knowing her work will help make flight safer and more fuel-efficient motivates materials research engineer Dr. Jamesa Stokes. Her advice: there is no single way to be a successful scientist or engineer. Don't limit yourself—stay open to a variety of opportunities. Hear more of her advice and learn about her path to NASA.	Transcript Link
				We're celebrating #BlackHistoryMonth with our Sound Bites video series. Hear from members of our workforce and be inspired—their diverse experiences, insights, and talents make NASA missions possible.	
2022 02 17	NASA Glenn Research Center	https://youtu.be/sW7bxsltkl	Sound Bites Insights to Inspire Carl Sandifer II NASA Glenn Research Center	Being a part of a great team managing space science projects inspires Carl Sandifer II to get up every morning excited about his work. In this episode of Sound Bites, hear his advice for students and learn about his journey from NASA intern, to aerospace engineer, to leader.	Transcript Link
				We're celebrating #BlackHistoryMonth with our Sound Bites video series. Hear from members of our workforce and be inspired—their diverse experiences, insights, and talents make NASA missions possible.	
2022 02 10	NASA Glenn Research Center	https://youtu.be/j2n8e-BQWq4	Sound Bites Insights to Inspire Lance Foster NASA Glenn Research Center	NASA aerospace engineer Lance Foster is living his childhood dream—working on technology to make really fast planes. To encourage the next generation of STEM students, he says it's important for kids to see and connect with a person doing the work for them to see what's possible.	Transcript Link
				We're celebrating #BlackHistoryMonth with our Sound Bites video series. Hear from members of our workforce and be inspired—their diverse experiences, insights, and talents are what make NASA missions possible.	
2021 12 31	NASA Glenn Research Center	https://youtu.be/XagYihRUDpU	NASA Glenn Research Center Year in Review 2021	We're looking back on all we accomplished in 2021. Despite its many challenges, the year was still one of progress. #YearInReview	Transcript Link

2021 12 02	NASA Glenn Research Center	https://youtu.be/X4wrlFgfkXo	A Need for Speed Life as a Champion Racecar Driver and NASA Propulsion Facility Manager	Engineer Mike McVetta finds a connection between his love for auto racing and his NASA career. Video Credit: NASA/ Heather Brown with images provided by ISMA photography courtesy of Jim Feeney and Sandusky VR/360 video footage courtesy of Ad Source, Inc. and Akron Drone Services. Oswego photo courtesy of Robert Clark.	Q
2021 11 04	NASA Glenn Research Center	https://youtu.be/eqkrVpTjwLM	CADRE of Mini Rovers Navigate Simulated Lunar Terrain NASA Glenn Research Center	A squad of mini rovers traversed the simulated lunar soils of NASA Glenn's SLOPE (Simulated Lunar Operations) lab recently. The shoebox-sized rovers were tested to see if they could navigate the conditions of hard-to-reach places such as craters and caves on the Moon.	Transcript Link
2021 10 14	NASA Glenn Research Center	https://youtu.be/Bf4zgBJk2bA	Sound Bites Insights to Inspire Yajaira Sierra-Sastre	Dr. Yajaira Sierra-Sastre doesn't back down from challenges. From living on top of a volcano for months, to leading the design and build of new tires for Mars rovers, her curiosity for space and science are motivation to transform obstacles into opportunities. We're celebrating #HispanicHeritageMonth by kicking off our new Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible.	Transcript Link
2021 10 12	NASA Glenn Research Center	https://youtu.be/1V_fmM041_g	Sound Bites Insights to Inspire Vicente Suarez	For NASA engineer Vicente Suarez, it really is rocket science. He tests rockets, payloads, and spacecraft, including Orion, to ensure they are fit to fly into space. Loving what he does means work never feels like a chore—it's more like his playground. We're celebrating #HispanicHeritageMonth by kicking off our new Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible.	Transcript Link

2021 10 07	NASA Glenn Research Center	https://youtu.be/PRMruCQIkXU	Sound Bites Insights to Inspire Gretchen Morales-Valle	Meet NASA engineer and gaming enthusiast Gretchen Morales-Valle. Her work in our aircraft Icing Research Tunnel helps keep you safe when you fly! Gretchen’s advice for youth—BE YOURSELF. You don’t need to fit into a certain mold to be an engineer.	Transcript Link	
				We’re celebrating #HispanicHeritageMonth with our new Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible. Learn about more NASA people and professions: https://www.nasa.gov/about/people		
2021 09 30	NASA Glenn Research Center	https://youtu.be/MK1cznT6yt0	Sound Bites Insights to Inspire Luis Rodriguez	On this episode of Sound Bites, NASA engineer and aspiring astronaut, Luis Rodriguez shares advice for students, and the planet he hopes to explore one day! His work converting thermal energy to electrical power for future Moon habitats, and vehicles is important for long-term lunar exploration.	Transcript Link	
				We’re celebrating #HispanicHeritageMonth by kicking off our new Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible.		
2021 09 23	NASA Glenn Research Center	https://youtu.be/uQSbgA5CFEk	Sound Bites Insights to Inspire Ashley Cantor	We’re celebrating #HispanicHeritageMonth by kicking off our new Sound Bites video series. Hear from members of our workforce—their diverse experience, insights, and talents are what make NASA missions possible.	Transcript Link	
				Meet Ashley Cantor, as an Equal Employment Specialist, she plans and implements diversity, inclusion, and equity programs. Her job is one of a variety of careers that is not in engineering, but essential to our agency’s success. Learn about more NASA people and professions: https://www.nasa.gov/about/people		
2021 09 22	NASA Glenn Research Center	https://youtu.be/jFAfgAyjKpc	Hall of Fame Inductees 2021 NASA Glenn Research Center	NASA Glenn has selected its third class of Hall of Fame inductees. The 2021 class includes 10 former employees who elevated the center through their accomplishments or inspired others through their character.	Transcript Link	
				Nominated by Glenn employees and chosen by a special committee, this year’s class coincides with the center’s 80th anniversary.		
				Our video highlights the work of these fine contributors, but you can read their full biographies here: https://www1.grc.nasa.gov/glenn-history/hall-of-fame/class-of-2021/		

2021 08 19	NASA Glenn Research Center	https://youtu.be/6kOoioPpSEE	NASA Aeronautics Transforming Flight	Aviation lets us explore our world, connect with our favorite people, and get deliveries of things we need. But, with increased flight, comes emissions. NASA Aeronautics is on it! We aim to reduce emissions with new green technologies and aircraft designs. Learn how we're expanding climate change research, and testing new automation tools for greener airspace operations, and sustainable energy options for aircraft propulsion. https://www.nasa.gov/topics/aeronautics/index.html #nationalaviationday	Transcript Link
2021 07 18	NASA Glenn Research Center	https://youtu.be/bj6s0DR0Zjl	NASA Glenn Research Center	Celebrating the life of John Glenn and his role in the history of space technology and exploration. To learn more visit nasa.gov/johnglenn100	Transcript Link
2021 07 14	NASA Glenn Research Center	https://youtu.be/8q9HB L41kxo	Last flight of the Viking S-3B Aircraft NASA Glenn Research Center 1 of 2	S-3B Viking aircraft departs Cleveland enroute to the San Diego Air and Space Museum to be put on permanent display. Video Credit: NASA/Bill Fletcher To learn more, visit https://www.nasa.gov/feature/glenn/2021/NASA-retires-S-3B-Viking-research-aircraft-from-its-fleet One of two	Transcript Link
2021 07 14	NASA Glenn Research Center	https://youtu.be/TuULb RSSJOI	Last flight of the Viking S-3B Aircraft NASA Glenn Research Center 2 of 2	S-3B Viking aircraft departs Cleveland enroute to the San Diego Air and Space Museum to be put on permanent display. Video Credit: NASA/Bill Fletcher To learn more visit: https://www.nasa.gov/feature/glenn/2021/NASA-retires-S-3B-Viking-research-aircraft-from-its-fleet	Transcript Link

2021 07 08	NASA Glenn Research Center	https://youtu.be/h5UhxXxlW4Q	NASA Glenn Research Center retires the S3-B Viking Aircraft	When the U.S. Navy retired its fleet of S-3B Vikings from active duty in 2009, not all of them were grounded. At NASA's Glenn Research Center in Cleveland, one S-3B was being used almost daily as a flight research aircraft. Acquired in 2004 and flown for the next 16 years on a variety of research missions, this S-3B Viking is about to fly off into the sunset and retire at the San Diego Air and Space Museum in California where it will be used to educate the public about its important role in the U.S. Navy and at NASA.	Transcript Link
2021 06 03	NASA Glenn Research Center	https://youtu.be/SUo8QZrRggM	State of NASA 2021 The Year of Innovation	Today, NASA Administrator Sen. Bill Nelson, presented the #StateofNASA and shared updates about our work to improve life on Earth and explore our solar system. But, what's @NASAGlenn got to do with it? Find out on June 3 at noon EDT, during the premiere of our Year of Innovation video. Submit your questions and our experts will answer them in the comments. Don't miss a chance to #AskNASAGlenn and find out how our center in Cleveland, Ohio supports NASA's progress on electric aircraft, and exploring the Moon, Mars and beyond!	Transcript Link
2021 05 07	NASA Glenn Research Center	https://youtu.be/8GvldWeyWCw	VIPER Hits the SLOPEs NASA Glenn Research Center	Researchers conduct early mobility testing on an engineering model of NASA's Volatiles Investigating Polar Exploration Rover, or VIPER, and fine-tune a newly installed OptiTrack motion tracking camera system at NASA Glenn's Simulated Lunar Operations Lab. Video credit: NASA/Heather Brown and Jim Zunt	Transcript Link
2021 04 22	NASA Glenn Research Center	https://youtu.be/Tb2j_Ndhq-8	NASA Aeronautics Earth Day 2021	Aviation lets us explore our world, connect with our favorite people, and get deliveries of things we need. But, with increased flight, comes emissions. NASA Aeronautics is on it! We aim to reduce emissions with new green technologies and aircraft designs. This #EarthDay, learn how we're expanding climate change research, and testing new automation tools for greener airspace operations, and sustainable energy options for aircraft propulsion. https://www.nasa.gov/topics/aeronautics/index.html	Transcript Link

2021 04 01	NASA Glenn Research Center	https://youtu.be/Bh320aGLnNs	Testing the Power and Propulsion Element at NASA Glenn Research Center	<p>The thruster system that will propel NASA's Gateway around the Moon was recently fired up for the first of many ground tests to ensure the Power and Propulsion Element (PPE) is ready for flight.</p> <p>NASA, along with Maxar Technologies and Busek Co., successfully completed a test of the 6-kilowatt (kW) solar electric propulsion (SEP) subsystem destined for the PPE. The hot fire tests were funded by NASA's Space Technology Mission Directorate, which helps foster the development of commercial space capabilities, and included multiple start-ups and shutdowns and other flight-like scenarios to demonstrate the system is ready for the transit to the Moon and extended operations there</p> <p>Learn more at: https://www.nasa.gov/feature/glenn/2021/we-are-fired-up-gateway-propulsion-system-passes-first-test</p>	Transcript Link
2021 03 12	NASA Glenn Research Center	https://youtu.be/iQkgATPMvKQ	In Celebration of Women at NASA Glenn Research Center	<p>We're celebrating women at @NASA who make history every day. Continue to drive innovation and push the envelope to inspire girls all over the world. Read the incredible stories of @WomenNASA https://nasa.gov/women #IWD2021</p>	Transcript Link
2021 03 05	NASA Glenn Research Center	https://youtu.be/D699vAuM9MY	NASA Glenn 2021 Guided Virtual Facility Tours	<p>NASA's Glenn Research Center is excited to offer guided virtual facility tours for the 2021 season. From April through October, join us as we explore our world-class facilities and celebrate Glenn's 80th Anniversary.</p> <p>For more details visit: https://www.nasa.gov/glenn/guided-virtualtours/2021/nasa-glenn-guided-virtual-tours-frequently-asked-questions</p>	Transcript Link
2021 02 17	NASA Glenn Research Center	https://youtu.be/-52WXRppvc	NASA's Neil A. Armstrong Test Facility	<p>NASA's Neil A. Armstrong Test Facility is a remote test facility located on 6,400 acres in Sandusky, Ohio. Neil Armstrong Test Facility is home to four world-class test facilities, including world's most powerful space simulation facility.</p>	Transcript Link

2021 02 05 NASA Glenn Research Center <https://youtu.be/F6V7o-pj4eg8> Intern Insights NASA Glenn Research Center Working remotely from different corners of the country hasn't stopped our interns at NASA's Glenn Research Center. Here's a quick look at their virtual experience last year. [Transcript](#) [Link](#)

The deadline for Summer 2021 internships is March 5:
<https://intern.nasa.gov>

2021 01 23 NASA Glenn Research Center https://youtu.be/vcl4AWzcb_M Happy 80th Anniversary NASA Glenn Research Center from Center Director Dr. Marla Perez Davis. Center Director Marla Perez Davis wishes a Happy 80th Anniversary to NASA Glenn Research Center. 80 Years of Pushing Boundaries and Breaking Barriers. [0](#)

2021 01 22 NASA Glenn Research Center <https://youtu.be/m7-dEGGJL8> Happy 80th Anniversary NASA Glenn Research Center from Betsy Kling Betsy Kling wishes a Happy 80th Anniversary to NASA Glenn Research Center. 80 Years of Pushing Boundaries and Breaking Barriers. [Transcript](#) [Link](#)

2021 01 22 NASA Glenn Research Center <https://youtu.be/QmRbFNcp8Cs> Happy 80th Anniversary NASA Glenn Research Center from WTAM's Bill Wills Bill Wills from WTAM Radio in Cleveland, Ohio wishes NASA Glenn Research Center a happy 80th anniversary. [Transcript](#) [Link](#)

2021 01 21	NASA Glenn Research Center	https://youtu.be/pwEF1XBeo8	Saffire Ignites New Discoveries in Space NASA Glenn Research Center	A sample of polymethyl methacrylate, also known as Plexiglas, was burned in the Saffire-V experiment. Ribs were manufactured into the material to see how the flame behaved when small structures were incorporated into larger materials. Researchers discovered that fires in microgravity typically grow and burn faster on the thinner ribs and materials as opposed to thicker samples on the right.	Transcript Link
2021 01 21	NASA Glenn Research Center	https://youtu.be/IHWQXG8IWXI	Happy 80th Anniversary NASA Glenn Research Center from Cleveland State University	Harlan Sands wishes NASA Glenn Research Center a happy 80th anniversary on behalf of Cleveland State University.	Transcript Link
2021 01 21	NASA Glenn Research Center	https://youtu.be/qR38g2428Pg	Happy 80th Anniversary NASA Glenn Research Center from Cleveland Metropolitan School District	The Cleveland Metropolitan School District wishes NASA Glenn Research Center a happy 80th anniversary.	0
2021 01 21	NASA Glenn Research Center	https://youtu.be/TCRrtSCzbl	Happy 80th Anniversary NASA Glenn Research Center from Cleveland Public Library	Cleveland Public Library wishes a happy 80th anniversary to NASA Glenn Research Center.	Transcript Link

2021 01 19	NASA Glenn Research Center	https://youtu.be/t3iCp8SC0-s	Happy 80th Anniversary NASA Glenn Research Center from Great Lakes Science Center	Great Lakes Science Center in Cleveland, Ohio sends 80th anniversary greetings to NASA Glenn Research Center.	Transcript Link
2021 01 19	NASA Glenn Research Center	https://youtu.be/A8W2g86LfiU	Happy 80th Anniversary NASA Glenn Research Center from Girl Scouts	The Girl Scouts of North East Ohio wish NASA Glenn Research Center a happy 80th anniversary.	Transcript Link
2021 01 19	NASA Glenn Research Center	https://youtu.be/-u9oaEmonXk	Happy 80th Anniversary NASA Glenn Research Center from COSI	President and CEO Frederic Bertley wishes NASA Glenn Research Center a happy 80th anniversary on behalf of the Center of Science and Industry (COSI).	Transcript Link
2021 01 18	NASA Glenn Research Center	https://youtu.be/MEO2XBNGexU	Happy 80th Anniversary NASA Glenn Research Center from NASA Astronauts	NASA Astronauts send their 80th anniversary greetings to NASA Glenn Research Center.	Transcript Link

2021 01 17	NASA Glenn Research Center	https://youtu.be/9PSwoY1NI4Q	Happy 80th Anniversary NASA Glenn Research Center from Bob Pearce	Bob Pearce, Associate Administrator for NASA's Aeronautics Research Mission Directorate, wishes a happy 80th anniversary to NASA Glenn Research Center.	Transcript Link
2021 01 17	NASA Glenn Research Center	https://youtu.be/KKdZCBOWDbo	Happy 80th Anniversary NASA Glenn Research Center from Kathy Lueders	Kathryn Lueders, Associate Administrator of the Human Exploration and Operations (HEO) Mission Directorate, wishes NASA Glenn Research Center a happy 80th anniversary.	Transcript Link
2021 01 16	NASA Glenn Research Center	https://youtu.be/5uPnTPOX6Hc	Happy 80th Anniversary NASA Glenn Research Center from Bob Gibbs	Robert (Bob) Gibbs, the Associate Administrator for the Mission Support Directorate (MSD) at NASA, wishes NASA Glenn Research Center a Happy 80th Anniversary.	Transcript Link
2021 01 16	NASA Glenn Research Center	https://youtu.be/99liiT8cK0k	Happy 80th Anniversary NASA Glenn Research Center from Mike Kincaid	Mike Kincaid, Associate Administrator, Office of STEM Engagement at NASA, wishes NASA Glenn Research Center a Happy 80th anniversary.	Transcript Link

2020 11 24	NASA Glenn Research Center	https://youtu.be/CVXv-tV8Ys	Artemis--Ready for Flight	We're thankful for the opportunity to explore.	Transcript Link
				One year ago today, NASA's Orion Spacecraft arrived in Ohio and began a journey to our Plum Brook Station facility in Sandusky, Ohio. There, the vehicle was put through a series of tests to ensure it's ready to fly for the Artemis I mission to the Moon and back.	
				Today, we highlight some of the people behind the immense effort to, once again, land humans on the Moon. Watch now and meet a few dedicated members of our NASA family.	
				To learn more about our mission to land the first woman and the next man on the Moon, visit https://www.nasa.gov/specials/artemis/ .	
				Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.	
				Video credit: NASA/ Jim Zunt	
2020 09 17	NASA Glenn Research Center	https://youtu.be/v5RLhcG5-Xw	NASA Glenn Artemis Roundtable Section 2 – Inspiration	Dr. Marla Pérez-Davis, director of NASA's Glenn Research Center, joins Dr. Dionne Hernandez-Lugo, Vicente Suarez, and Rafael Garcia to learn about their work on the Artemis program. Part 2 of 4.	Transcript Link
2020 09 16	NASA Glenn Research Center	https://youtu.be/OoS866Si4Zg	NASA Glenn Artemis Roundtable Section 1 - Artemis Next Steps in Space	Dr. Marla Pérez-Davis, director of NASA's Glenn Research Center, joins Dr. Dionne Hernandez-Lugo, Vicente Suarez, and Rafael Garcia to learn about their work on the Artemis program. Part 1 of 4	Transcript Link
2020 09 16	NASA Glenn Research Center	https://youtu.be/_yUo2oYwpAo	NASA Glenn Artemis Roundtable Section 3 - Technologies of the Future and Artemis	Dr. Marla Pérez-Davis, director of NASA's Glenn Research Center, joins Dr. Dionne Hernandez-Lugo, Vicente Suarez, and Rafael Garcia to learn about their work on the Artemis program. Part 3 of 4.	Transcript Link

2020 09 16	NASA Glenn Research Center	https://youtu.be/SFIZb6gkPtw	NASA Glenn Artemis Roundtable Section 4 - Inspiring the Next Generation	Dr. Marla Pérez-Davis, director of NASA's Glenn Research Center, joins Dr. Dionne Hernandez-Lugo, Vicente Suarez, and Rafael Garcia to learn about their work on the Artemis program. Part 4 of 4.	Transcript Link
2020 06 17	NASA Glenn Research Center	https://youtu.be/dXwTfrDq0X8	Congratulations to the Class of 2020 NASA Glenn Research Center	NASA Glenn director Dr. Marla Pérez-Davis congratulates the graduating class of 2020.	Transcript Link
2020 05 20	NASA Glenn Research Center	https://youtu.be/lvJ78l9ZJ_E	NASA's Spacecraft Fire Safety Demonstration Project, Saffire IV	NASA ignited another set of space fire experiments last week when Saffire IV lit a number of longer, stronger flames inside Northrop Grumman's Cygnus cargo spacecraft. Saffire, NASA's Spacecraft Fire Safety Demonstration Project, is a series of six experiments that investigate how fires grow and spread in space, especially aboard future spacecraft bound for the Moon and Mars. During the Saffire IV experiment, researchers burned a sample of SIBAL cloth, a composite of 75% cotton and 25% fiberglass. As the flame spreads shortly after ignition, you can see bright speckles behind, which are glowing char on the cloth.	Transcript Link
2020 05 05	NASA Glenn Research Center	https://youtu.be/jvX-EoDz3hg	Machine Learning and Simulations Support NASA Astronaut Health	NASA is moving forward with its Artemis program to return humans to the Moon, to stay. Learn how scientists and engineers at Glenn Research Center are using sophisticated computational modeling techniques to understand risks to astronaut health.	Transcript Link

2020 04 01 NASA Glenn Research Center <https://youtu.be/OKAzQM0h6b0> NASA Glenn Virtual Tours

Get an inside look at NASA Glenn Research Center. From wind tunnels, to drop towers and vacuum chambers, our virtual tours offer you a 360-degree view behind the scenes of our world-class facilities and labs. It's where we simulate aircraft flight conditions on Earth and the harshest conditions found in our solar system. Explore for yourself at: www.nasa.gov/glennvirtualtours.

[Transcript](#)
[Link](#)

2020 01 13 NASA Glenn Research Center <https://youtu.be/FqYYE3i2ww> NASA's New Moon Rover Tested in Lunar Operations Lab

An engineering model of the Volatiles Investigating Polar Exploration Rover, or VIPER, is tested in the Simulated Lunar Operations Laboratory at NASA's Glenn Research Center in Cleveland, Ohio. About the size of a golf cart, VIPER is a mobile robot that will roam around the Moon's South Pole looking for water ice in the region and for the first time ever, actually sample the water ice at the same pole where the first woman and next man will land in 2024 under the Artemis program.

[Transcript](#)
[Link](#)

The large, adjustable soil bin contains lunar simulant and allows engineers to mimic the Moon's terrain. Engineers from NASA's Johnson Space Center in Houston, where the rover was designed and built, joined the Glenn team to complete the tests. Test data will be used to evaluate the traction of the vehicle and wheels, determine the power requirements for a variety of maneuvers and compare methods of traversing steep slopes. Respirators are worn by researchers to protect against the airborne silica that is present during testing.

VIPER is a collaboration within and beyond the agency. NASA's Ames Research Center in Silicon Valley is managing the project, leading the mission's science, systems engineering, real-time rover surface operations and software. The rover's instruments are provided by Ames, NASA's Kennedy Space Center in Florida and commercial partner, Honeybee Robotics in California. The spacecraft, lander and launch vehicle that will deliver VIPER to the surface of the Moon will be provided

2019 12 18 NASA Glenn Research Center <https://youtu.be/s39Kl0ruj1Y> Orion Spacecraft for Artemis I transported to NASA's Plum Brook Station

The Orion spacecraft for Artemis I flew into Mansfield Lahm Airport on Sunday, Nov. 24, aboard NASA's Super Guppy aircraft from NASA's Kennedy Space Center in Florida.

After unloading Orion at the airport, the transportation team drove the spacecraft across Northeast Ohio's new space corridor. NASA Glenn worked with the Ohio Department of Transportation and local utility companies to clear more than 700 overhead lines from the 41-mile stretch of rural highway between Mansfield and NASA's Plum Brook Station.

The spacecraft arrived in Sandusky, Ohio, on Tuesday, Nov. 26 where engineers installed it in a thermal vacuum chamber for the final stretch of major testing before the Artemis I launch.

Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.

Video Credit: NASA/ James Zunt

[Transcript Link](#)

2019 12 10 NASA Glenn Research Center https://youtu.be/wnT5q2_1HNc Orion Spacecraft for Artemis I Installed in Vacuum Chamber at NASA's Plum Brook Station

The Orion spacecraft for Artemis I is prepared for testing at NASA's Plum Brook Station. In this time-lapse video, the spacecraft (crew module and European-built service module) is installed in a thermal vacuum chamber where it will be subjected to temperatures ranging from -250 to 300 degrees Fahrenheit to ensure it can withstand the harsh environment of space during Artemis missions. These extreme temperatures simulate flying in-and-out of sunlight and shadow in space. The spacecraft is surrounded by a thermal cage, called Heat Flux, which is a specially-designed system that heats specific parts of the spacecraft at any given time. Orion will also be surrounded on all sides by a set of large panels, called a cryogenic-shroud, that will provide the cold background temperatures of space.

Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.

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2019 12 04	NASA Glenn Research Center	https://youtu.be/vZolTxoTibo	Orion spacecraft arrives at NASA's Plum Brook Station, now Neil A. Armstrong Test Facility.	<p>The Orion spacecraft for Artemis I arrived at NASA's Plum Brook Station in Sandusky, Ohio, on Tuesday, Nov. 26 for the final stretch of major testing before integration with the Space Launch System rocket for the Artemis I launch. Orion will undergo thermal and electromagnetic testing in our Space Environments Complex.</p> <p>The spacecraft flew into Mansfield Lahm Airport on Sunday, Nov. 24, aboard the agency's Super Guppy from NASA's Kennedy Space Center in Florida.</p> <p>After unloading Orion at the airport, the transportation team drove the spacecraft across Northeast Ohio's new space corridor. NASA Glenn worked with the Ohio Department of Transportation and local utility companies to clear more than 700 overhead lines from the 41-mile stretch of rural highway between Mansfield and Plum Brook Station.</p> <p>Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.</p> <p>Video Credit: NASA/ James Zunt, Dennis Brown, William Fletcher</p>	Q
2019 12 04	NASA Glenn Research Center	https://youtu.be/r6Jkazvngbg	Orion spacecraft arrives at Mansfield Lahm Regional Airport	<p>The Orion spacecraft for Artemis I arrived at Mansfield's Lahm Regional Airport on Sunday, Nov. 24 in NASA's Super Guppy aircraft. The spacecraft is headed to NASA's Plum Brook Station in Sandusky, Ohio for the final stretch of major testing before integration with the Space Launch System rocket for the Artemis I launch. Orion will undergo thermal and electromagnetic testing in our Space Environments Complex.</p> <p>Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.</p> <p>Video Credit: NASA/ James Zunt, Dennis Brown, William Fletcher</p>	Transcript Link
2019 10 04	NASA Glenn Research Center	https://youtu.be/plOubYV6OM	Powering Flight Innovation NASA Glenn Research Center	<p>Every U.S. aircraft has NASA technology on board, which has made flight safer, quieter and more fuel efficient. Today, NASA is investing in Electrified Aircraft Propulsion research as part of its portfolio to improve the fuel efficiency, emissions and noise levels in commercial transport aircraft. And, we're building our first-ever all-electric X-plane, the X-57 Maxwell.</p> <p>In this presentation from our 2019 Evening with the Stars event, NASA engineer David Avanesian explains our strategy to work with industry partners and continue transforming aviation for benefits worldwide.</p> <p>Credits: NASA</p>	Transcript Link

2019 10 04	NASA Glenn Research Center	https://youtu.be/dfOvZygyiCo	Flight of the Gateway and the Power and Propulsion Element NASA Glenn Research Center	In this presentation from our 2019 Evening with the Stars event, NASA engineer Melissa McGuire explains the Gateway and how we'll use it to build our lunar outpost, the cornerstone of NASA's sustainable and reusable Artemis exploration architecture on and around the Moon. Credits: NASA	0
2019 10 04	NASA Glenn Research Center	https://youtu.be/uueQd6oJMgM	Sustainable Exploration A New Paradigm NASA Glenn Research Center	This time, when we go to the Moon, we're going to stay. How can we create a sustainable human presence on another planetary body? How would future lunar explorers gain access to enough life-sustaining resources like oxygen, water and fuel? In this presentation from our 2019 Evening with the Stars event, NASA engineer Diane Linne explains our plans to gather and cultivate the necessary resources for astronauts on the lunar surface, and the methods and technologies we're developing to enable this capability. Credits: NASA	Transcript Link
2019 09 13	NASA Glenn Research Center	https://youtu.be/mtbzw1dnytQ	Orion spacecraft testing at NASA Glenn's Plum Brook Station, now the Neil A. Armstrong Test Facility	The Orion spacecraft for Artemis I will head to Ohio for the final stretch of major testing before integration with the Space Launch System rocket for launch. A team of engineers and technicians stand ready to test the spacecraft, consisting of the crew and service modules, under simulated extreme in-space conditions in the world's premier space environments test facility at NASA's Plum Brook Station in Sandusky, Ohio. Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.	0
2019 08 13	NASA Glenn Research Center	https://youtu.be/9-WXFsljYa4	NASA's Supersonic X-plane Completes Testing at NASA Glenn Wind Tunnel.	A scale model of the X-59 QueSST, NASA's supersonic X-plane, recently completed a test at NASA Glenn's 8-foot by 6-foot supersonic wind tunnel. This test was used to verify the performance of the aircraft's unique top-mounted engine through various flight conditions, from takeoff to nearly one and half times the speed of sound (Mach 1.4). The tests were successful in demonstrating the X-59's engine will perform as expected when it begins initial flight testing in 2021.	Transcript Link

2019 07 25	NASA Glenn Research Center	https://youtu.be/xY3k2imRFk8	Hear from NASA Glenn Interns on National Intern Day	Working in labs all across NASA Glenn Research Center – from human resources to facilities to propulsion systems and beyond – and coming from colleges as near as the University of Akron and as far away as the University of Hawaii, NASA interns solve real problems at Glenn Research Center. We talked with 12 interns about their experiences at NASA Glenn.	Transcript Link
2019 07 09	NASA Glenn Research Center	https://youtu.be/ThkZEACxLp8	NASA Glenn facilities let researchers run vehicles, spacecraft through the rigors of space..	From the Apollo program to today, engineers at NASA Glenn have world-class facilities to test, shake, blast and put spacecraft in conditions designed to replicate the stresses of space. Now, at the world’s largest space vacuum chamber, the Orion spacecraft – the backbone of NASA’s deep-space exploration – is tested. Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.	0
2019 07 09	NASA Glenn Research Center	https://youtu.be/ASlXBgKMxGo	Lunar Exploration and NASA Glenn – Then and Now.	Researchers at NASA Glenn have solved problems enabling everything from the rocket design that propelled Apollo and the Lunar Module into space to conducting experiments about how liquids and fire behave in microgravity. As NASA moves forward with sustainable lunar exploration, we’re developing exercise equipment and techniques to battle bone loss and muscle atrophy and finding ways to improve air quality for astronauts.	Transcript Link
2019 07 09	NASA Glenn Research Center	https://youtu.be/sT3K9Q42sC4	Ohio’s aviation pioneers inspire the next generation of astronauts.	From the Wright brothers to astronauts John Glenn and Neil Armstrong, Ohio’s roots in aviation and spaceflight run deep. One generation inspiring the next. Today, Ohioans are ready to send the next generation back to the Moon and onto Mars by developing the technology needed to get them there.	Transcript Link

2019 07 09	NASA Glenn Research Center	https://youtu.be/UxTPoDgUxpE	NASA Glenn technology enabled Apollo and will propel future missions.	Advancements made by researchers in Cleveland, Ohio such as propulsion technology and liquid hydrogen-liquid oxygen propellant, helped make the Apollo mission possible. Today, NASA Glenn Research Center builds on this legacy as it develops solar electric propulsion systems that will propel the Gateway in orbit around the Moon. Gateway – a temporary home and office for astronauts – enables them to access the entire surface of the Moon.	Transcript Link
2019 06 26	NASA Glenn Research Center	https://youtu.be/77ULPBkO60	NASA Glenn Research Center 9 x 15 Wind Tunnel	Acoustic improvement project on NASA Glenn 9 x 15 Wind Tunnel animation. Take a virtual tour of the 9-by 15-Low-Speed Wind Tunnel here: https://www.nasa.gov/specials/9x15360/	Transcript Link
2019 05 08	NASA Glenn Research Center	https://youtu.be/6MtAa7YkfC8	Kilopower—A New Lunar Power System NASA Glenn	In preparation of establishing a sustainable presence on the Moon by 2028, NASA is developing new technologies that will let astronauts land, live and explore the surface. In this video, Marc Gibson of NASA's Glenn Research Center in Cleveland describes Kilopower, a power system to enable long-duration stays on planetary surfaces, including the Moon and Mars.	Transcript Link
2018 12 07	NASA Glenn Research Center	https://youtu.be/3szehurKzZI	NASA Earth and Space Air Prize Competition	NASA, in collaboration with the Robert Wood Johnson Foundation, selected Applied Particle Technology, LLC as the \$100,000 grand-prize winner of its Earth and Space Air Prize Competition. Participants were tasked to develop robust, efficient sensors to detect tiny airborne particles, known as aerosols, for space and Earth environments. From the initial 20 proposals, three finalists were awarded \$50,000 to build a functioning prototype and test designs at NASA Glenn.	Transcript Link

2018 10 03	NASA Glenn Research Center	https://youtu.be/bkJt6nB_JM0	Propulsion Systems Laboratory Icing Test NASA Glenn Research Center	An airfoil is inserted into the test section inside of NASA Glenn's Propulsion Systems Laboratory where it is exposed to two icing sprays. Researchers at Glenn create icing cloud conditions and test jet engine components in order to see what kind of ice accretion forms in various conditions. (no audio)	Transcript Link
2018 10 01	NASA Glenn Research Center	https://youtu.be/a2KzT4Z3qyY	Janet Kavandi - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 27	NASA Glenn Research Center	https://youtu.be/itAwIPMWA3o	Marla Perez Davis - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 24	NASA Glenn Research Center	https://youtu.be/tZOiNjCWgg0	Janet Lane - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories	Transcript Link

2018 09 21	NASA Glenn Research Center	https://youtu.be/MQo7xMxcP1U	Audrey Gonzalez - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/h4SCp5vfxH0	Phyllis Alexander - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/rBLmm6SbA6M	Xynique Sims - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/Rg6kmUWNSGk	Tina Jicha - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 09 21	NASA Glenn Research Center	https://youtu.be/ogBPDQ13xfU	Sue Motil - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/0cG_gA-ljiY	Rochelle May - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/k1Xtzu_yVT-0	Melissa Perry - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/zNyW-pbyzm4	Maria Choi - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 09 21	NASA Glenn Research Center	https://youtu.be/arWctJSEaB8	Linda Moore - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/7CJEAv6kiHs	Judy Van Zante - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/DOQFKbFLZuw	Jacquelynn Houts - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 21	NASA Glenn Research Center	https://youtu.be/gmKpHDCfEJA	Diana Centeno Gomez - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 09 14	NASA Glenn Research Center	https://youtu.be/HMDS E05Uh0M	NASA Prepares for Orion's Ascent Abort-2 Test	NOTE: Previously recorded live video In this Aug. 21 Facebook live video from NASA Glenn Research Center's Plum Brook Station in Sandusky, Ohio, we take viewers inside our Space Environments Complex. This complex houses the world's largest and most powerful space environment simulation facilities. Get a look inside the Reverberant Acoustic Test Facility, the world's most powerful spacecraft acoustic test chamber, where we tested a full-scale version of NASA's Orion Spacecraft crew module. This acoustic test is in preparation for Orion's Ascent Abort-2 (AA-2) test where the spacecraft's launch abort system, designed to quickly get astronauts safely away from their launch vehicle if there is a problem, will undergo a full-stress test. Explore more of the Space Environments Complex in this 360-degree virtual tour: nasa.gov/specials/sec360/ Plum Brook Station was renamed the Neil A. Armstrong Test Facility on December 30, 2020.	Transcript Link
2018 09 06	NASA Glenn Research Center	https://youtu.be/btplUZ i084Q	Lauren Demirjian - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 06	NASA Glenn Research Center	https://youtu.be/yk8esX-SY5o	Joyce Dever - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 06	NASA Glenn Research Center	https://youtu.be/qEdvo K80mNI	Janette Briones - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 09 06	NASA Glenn Research Center	https://youtu.be/Gaf4EtaV70	Dionne Hernandez Lugo - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 06	NASA Glenn Research Center	https://youtu.be/M1Z0g6MqFw	Bridget Caswell - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 06	NASA Glenn Research Center	https://youtu.be/7NxXDZTRRQU	Anne McNelis - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 09 06	NASA Glenn Research Center	https://youtu.be/AWz4FIC7hwo	Amy Jankovsky - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 09 06	NASA Glenn Research Center	https://youtu.be/4t96M-iCFzo	Abigail Rodriguez - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 08 30	NASA Glenn Research Center	https://youtu.be/5rhRT57B-2M	35th Anniversary of Guy Bluford's First Space Flight	In 2018, we celebrate the 35th anniversary of STS-8, the historic mission launched on August 30, 1983. The dramatic night launch of the space shuttle Challenger marked an important milestone in American history as mission specialist Guion "Guy" Bluford became the first African-American astronaut to fly in space. He reflects on the significance of his first space flight.	Transcript Link
2018 08 24	NASA Glenn Research Center	https://youtu.be/Bqs23Yu3mrU	Vicki Hagerman - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 08 24	NASA Glenn Research Center	https://youtu.be/3Qgi6hgCuq8	Kim Pham - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 08 23	NASA Glenn Research Center	https://youtu.be/W9GYc_hkpbz8	Barbara Wilson - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 08 23	NASA Glenn Research Center	https://youtu.be/CLsZ_e tejRY	Lauren Clayman - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 08 23	NASA Glenn Research Center	https://youtu.be/KCrOg_AdXedo	Mary Lobo - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 08 23	NASA Glenn Research Center	https://youtu.be/CDyR1I_bI6JE	Sydney Schnulo - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link

2018 08 23	NASA Glenn Research Center	https://youtu.be/dDwfzHoHbT4	Amy Hiltabidel - Women at Glenn 60 Seconds for the 60th	In 2018, NASA is celebrating its 60th anniversary. One way we're celebrating is exploring the unique stories of the women at NASA. What advice do they have for the next generation? What do they love about their work? What do they want their legacy to be? Watch our Women at Glenn: 60 Seconds for the 60th video series to hear their inspiring stories.	Transcript Link
2018 08 17	NASA Glenn Research Center	https://youtu.be/RgpuReoirzk	NASA Uses Shape Memory Alloys to Fold F-18 Wing	Engineers from NASA's Glenn Research Center, NASA's Armstrong Flight Research Center and Boeing have successfully used shape memory alloys (SMA) to move a full-sized wing section of an F/A-18 Hornet. This test is part of a project investigating the use of shape memory alloys to fold aircraft wings in flight for enhanced aircraft performance. Get the full story at go.nasa.gov/2vUsVwg Credit: NASA	Transcript Link
2018 07 03	NASA Glenn Research Center	https://youtu.be/BgF10YLYadk	For the Benefit of All NASA Glenn Research Center	Vital to advancing NASA missions—we are Glenn Research Center. A hub for ingenuity, where every day the best minds in the nation are keenly focused on designing game-changing technology that enables further exploration of the universe and revolutionizes air travel. We never close—we explore and discover for the benefit of all. (music only)	Transcript Link
2018 06 19	NASA Glenn Research Center	https://youtu.be/-VRhnwVSEg8	Shape Memory Alloy F18 Wing Test	Shape memory alloys are being used to fold wings of aircraft in flight to get better aerodynamic benefits and controls. This F18 wing was tested in our research lab. (no sound) Get the full story on this NASA technology at go.nasa.gov/2JQSpDJ Credit : NASA	Transcript Link

2018 06 19	NASA Glenn Research Center	https://youtu.be/nZ9V1m6p_20	Multi-Parameter Aerosol Scattering Sensor	NASA Engineer Paul Greenberg explains how the MPASS optical sensor characterizes particles suspended in the air. Get the full story on this NASA technology at go.nasa.gov/2JQSpDJ Credit: NASA	Transcript Link
2018 04 18	NASA Glenn Research Center	https://youtu.be/hdEkIOSLnHA	NASA Takes First 3-D Microscopic Image on the Space Station	A composite 3-D model of NASA's Advanced Colloids Experiment. Credits: P&G, NASA and the Center for the Advancement of Science in Space. (no audio)	Transcript Link
2018 02 14	NASA Glenn Research Center	https://youtu.be/mHCFplu7LMA	State of NASA Social 2018	Twenty-one social media followers visited NASA Glenn on February 12th to learn more about the #StateOfNASA and also get tours of our facilities that are testing advanced concepts for deep space and aeronautic research. The group visited our Electric Propulsion Lab, Graphics Visualization Lab (GVIS) and our 8 x 6 Wind Tunnel after hearing from Acting Administrator Robert Lightfoot about NASA's priorities in the years ahead. (music only)	Transcript Link
2017 12 28	NASA Glenn Research Center	https://youtu.be/PdH4ziPXtzw	NASA Glenn 2017 Year in Review	2017 was a busy year—take a look at some of our work. (music only)	Transcript Link

2017 12 08	NASA Glenn Research Center	https://youtu.be/7TeJzxfPqxU	NASA Glenn's 2017-2018 University Student Design Challenge Space	Team instructions for the University Student Design Challenge.	Transcript Link
2017 12 08	NASA Glenn Research Center	https://youtu.be/2FX_cBVRYSY	NASA Glenn's 2017-2018 University Student Design Challenge Aeronautics	Team instructions for the University Student Design Challenge.	Transcript Link
2017 12 07	NASA Glenn Research Center	https://youtu.be/QIJEHEADX1k	NASA Glenn Employee Profile Harvey Schabes	Harvey Schabes, chief of Glenn's Technology Transfer office, explains how NASA technologies developed for space can benefit society through practical Earth applications.	Transcript Link
2017 11 16	NASA Glenn Research Center	https://youtu.be/m3F42ttA3o8	NASA Glenn's Shape Memory Alloy Tires Part 2	The game changing material that dramatically advanced the development of spring tires was nickel titanium, a shape memory alloy with amazing capabilities as explained by Santo Padula. For more information visit www.nasa.gov/specials/wheels/	Transcript Link

2017 11 16	NASA Glenn Research Center	https://youtu.be/sCZthtggl6U	NASA Glenn's Shape Memory Alloy Tires Part 1	In one particular moment of serendipity, Engineer Colin Creager and Materials Scientist Santo Padula had a conversation at Glenn Research Center that completely changed the path forward. For more information visit www.nasa.gov/specials/wheels/	Transcript Link
2017 11 16	NASA Glenn Research Center	https://youtu.be/cvBaPdO5DrQ	NASA Glenn's Shape Memory Alloy Spring Tire Animation	So, why are shape memory alloys the key to success for this new generation of spring tires? It has to do with the atomic structure. Take a look to find out. For more information visit "Reinventing the Wheel" NASA Glenn Research Center at www.nasa.gov/specials/wheels/ (no audio)	Transcript Link
2017 11 16	NASA Glenn Research Center	https://youtu.be/KLpCrfBO_e4	NASA Glenn's Shape Memory Alloy Tire Life Test	After building the shape memory alloy tire, Glenn engineers sent it to NASA's Jet Propulsion Laboratory for testing. It performed impressively on the punishing track. For more information visit www.nasa.gov/specials/wheels/ (no audio)	Transcript Link
2017 11 16	NASA Glenn Research Center	https://youtu.be/dlxJ65WRy0E	From the Moon to Mars	While NASA was developing rovers to send to Mars, there was also interest in taking a new look at returning to the moon. NASA Glenn engineers rebuilt Apollo era tires and developed new designs using newer materials and technology to better function on a lunar surface. For more information visit www.nasa.gov/specials/wheels/ (no audio)	Transcript Link

2017 11 16	NASA Glenn Research Center	https://youtu.be/E4KNYGdf70	Airless Tires on Earth	Recently, engineers and materials scientists have been testing a spinoff spring tire version that would work on cars and trucks on Earth. After attaching the tire to a vehicle, NASA scientists drove it on gravel and rocky surfaces. For more information see www.nasa.gov/specials/wheels/ (no audio)	Transcript Link
2017 11 16	NASA Glenn Research Center	https://youtu.be/AXAmsaxoehs	Lunar Roving Vehicle	The last NASA vehicle to visit the moon was the Lunar Roving Vehicle. This manned vehicle used four large flexible wire mesh wheels with stiff inner frames to prevent over-deflection. Thin tread strips were attached to the carcass to enhance flotation in soft lunar soil. For more information see www.nasa.gov/specials/wheels/ (no audio)	Transcript Link
2017 11 16	NASA Glenn Research Center	https://youtu.be/mX1yHQx1kY	Traction and Excavation Capabilities (TREC) Rig at Glenn Research Center	The TREC rig (Traction and Excavation Capabilities Rig) moves tires through sandy soils similar to Mars and gathers data about rotation, traction, force, and load capabilities. For more information visit www.nasa.gov/specials/wheels/ (no audio)	Transcript Link
2017 11 07	NASA Glenn Research Center	https://youtu.be/dOK446jAsAw	STARC-ABL Animation	Animation of NASA's concept aircraft, STARC-ABL, which utilizes advanced propulsion technologies to decrease fuel usage, emissions and noise.(music only)	Transcript Link

2017 10 13	NASA Glenn Research Center	https://youtu.be/kC87owr3dMs	Hispanic Heritage Month Profile Dr. Evan Pineda	Dr. Evan Pineda talks about what inspired his career as an aerospace engineer and his work on the Space Launch System rocket.	Transcript Link
2017 10 12	NASA Glenn Research Center	https://youtu.be/hl8fgd67fU	Water and Ping Pong Ball- Microgravity Experiment	Researchers from Oregon's Portland State University test how a floating ping pong ball reacts in microgravity.(no sound)	Transcript Link
2017 10 11	NASA Glenn Research Center	https://youtu.be/jW5wf7sttBc	Researchers Develop New Tool to Evaluate Icephobic Materials	Stainless steel edge samples are used to test icing conditions in Glenn's Icing Research Tunnel as scientists prepare to examine icephobic coatings for aircraft components. (no sound)	Transcript Link
2017 10 04	NASA Glenn Research Center	https://youtu.be/NLg1XF6376E	Hispanic Heritage Month Profile Dr. Dionne Hernandez-Lugo	Dr. Dionne Hernandez-Lugo explains how we're using drones to monitor Lake Erie's harmful algae and shares her story of becoming a NASA researcher.	Transcript Link

2017 09 22	NASA Glenn Research Center	https://youtu.be/S22gCuBTWF8	Women at NASA are Shaping the World of Tomorrow	Our leaders have a message for girls & women: There's nothing you can't be—we can shape the world of tomorrow.	Transcript Link
2017 09 22	NASA Glenn Research Center	https://youtu.be/WW-DXdq6PQ	Journey to Mars	A journey of about six months, Mars is a difficult target to get to, but that's exactly what we're planning to do. In this presentation from our 2017 Evening with the Stars event, NASA Glenn researcher Dr. Aaron Weaver explains our plan to send humans to explore a foreign world for the first time since the end of Apollo.	Transcript Link
2017 09 22	NASA Glenn Research Center	https://youtu.be/fgnbZ4zDBRE	NASA Glenn Facilities and Capabilities	We've developed supersonic aircraft, walked on the moon, created a reusable space shuttle and an orbiting laboratory, and now we're developing a spacecraft to take us to Mars. None of these mission accomplishments would have been possible without stringent and realistic testing. In this presentation from our 2017 Evening with the Stars event, NASA Glenn engineer Mary Lobo explains how we accurately simulate some of the harshest conditions found in the air and space to enable technology breakthroughs.	Transcript Link
2017 08 22	NASA Glenn Research Center	https://youtu.be/ngebNzrupk	Solar Eclipse Through the Eyes of NASA	Meteorologist Eric Aldrich, Atmospheric Science Instructor for the University of Missouri School of Natural Resources, hosts a segment of the live NASA TV broadcast from Jefferson City, Missouri during the total solar eclipse across America. This segment features Dr. Tamitha Skov, space weather expert and research scientist from The Aerospace Corporation; and Dr. Janet Kavandi, Glenn's center director and Missouri native. The trio discussed space weather, space communications and astronaut health and safety during the total eclipse. Over the course of 100 minutes, 14 states across the United States experienced more than two minutes of darkness in the middle of the day. Jefferson City was featured as part of NASA's coast-to-coast television coverage of the eclipse's path of totality in the United States, from Oregon to South Carolina.	Transcript Link

2017 06 20	NASA Glenn Research Center	https://youtu.be/iOrSINm-SCY	NASA Glenn's Integrated Radio and Optical Communications (iROC) Project	NASA Glenn engineer Dr. Dan Raible explains how future developments in space communications will advance space science and exploration at the 2015 Evening with the Stars event.	Transcript Link
2017 06 15	NASA Glenn Research Center	https://youtu.be/PYZM OD9abMI	Exercise Countermeasures Lab at NASA Glenn	The Exercise Countermeasures Laboratory at NASA Glenn Research Center provides high-fidelity weightlessness for exercise simulations for developing exercise countermeasure devices, equipment and exercise protocols for spaceflight.	Transcript Link
2017 06 15	NASA Glenn Research Center	https://youtu.be/BZ9wVgX23kY	Engine Testing Inside the In-Space Propulsion Facility at Plum Brook Station	An engine roars to life in a space simulation vacuum chamber at NASA Glenn's Plum Brook Station. The In-Space Propulsion Facility is the world's only facility capable of testing full-scale, upper-stage launch vehicles and rocket engines under simulated high-altitude conditions. (no sound)	Transcript Link
2017 06 13	NASA Glenn Research Center	https://youtu.be/V1Ohp5jvMlo	The Future of Aviation	The Future of Aviation: Quieter. Cleaner. Faster. (music only)	Transcript Link

2017 05 17	NASA Glenn Research Center	https://youtu.be/2e4-8XUTkQI	NASA Announces University Student Design Challenge Winners	NASA's Glenn Research Center announces the winners of its first University Student Design Challenge.	Transcript Link
2017 05 17	NASA Glenn Research Center	https://youtu.be/NliJbSyHwFw	Airplanes and Astronauts Meet Maker John Oldham	NASA Glenn Exhibits Technician John Oldham creates models for public outreach events to tell NASA's story.	Transcript Link
2017 05 09	NASA Glenn Research Center	https://youtu.be/5VHPa_nW6F4E	NASA Glenn Expertise	The NASA Glenn Research Center in Cleveland, Ohio designs and develops innovative technology to advance NASA's missions in aeronautics and space exploration.(no audio)	Transcript Link
2017 05 01	NASA Glenn Research Center	https://youtu.be/_YDj4JwqoU4	Preparing NASA Glenn's Vacuum Chamber to Test High-Powered Thruster.	We are using our vacuum chamber to test the Hall Effect Rocket with Magnetic Shielding (HERMeS) thruster, which could propel NASA's future vehicles to deep space. It operates at 12.5 kW; three times greater power than existing systems. (audio-music) Video credit: NASA Rami Daud, Alcyon Technical Services	Transcript Link

2017 04 12	NASA Glenn Research Center	https://youtu.be/tgMZyme9SRc	Makers Series - Diane Linne	NASA Glenn engineer Diane Linne has designed a mining device that will help extract water from the Martian soil.	Transcript Link
2017 03 21	NASA Glenn Research Center	https://youtu.be/mQslzWrfM0A	Orion Test Article Pyroshock Test	Orion test article underwent pyroshock tests, which simulated the shock the service module will experience as it separates from the SLS during launch.	Transcript Link
2017 03 16	NASA Glenn Research Center	https://youtu.be/EGQCCxHm-cs	Meet Maker Gustavo Costa	NASA Glenn scientist Gustavo Costa created a device from spare parts to measure the chemical mixture in our extreme environments rig.	Transcript Link
2017 02 15	NASA Glenn Research Center	https://youtu.be/Gnb5vWycGTI	Meet Maker Kyle Johnson	NASA Glenn Engineer Kyle Johnson creates structures from scratch that keep work moving forward at the center's SLOPE Lab.	Transcript Link

2017 01 04	NASA Glenn Research Center	https://youtu.be/7yXneK7nmoM	Celebrating Our Diamond Anniversary	This year NASA Glenn celebrated its 75th year. Take a look back at the celebration of our diamond anniversary.	Transcript Link
2016 12 21	NASA Glenn Research Center	https://youtu.be/hjlmuaqjxg	Flow Caster Produces Custom Alloy Magnetic Ribbon	NASA Glenn's large-scale, 5 kg planar flow caster cools a vat of molten metallic alloy, producing a magnetic ribbon that spouts into a collection bin. The caster has the ability to produce a magnetized ribbon that measures up to one mile long and 50 mm wide to support NASA's hybrid electric aircraft propulsion and power management work. (no sound)	Transcript Link
2016 12 13	NASA Glenn Research Center	https://youtu.be/Svj2lSdUV5U	Meet Roger Tokars, a Maker at NASA Glenn	The third installment of the Meet the Makers of NASA Glenn Series features engineer Roger Tokars who designed and built an optical sensor that is helping NASA image algal blooms on the Great Lakes and inland waterways.	Transcript Link
2016 12 07	NASA Glenn Research Center	https://youtu.be/TbSbeGHa1_M	Boundary Layer Inlet Animation NASA Glenn Research Center	This animation shows an engine fan and inlet ingesting boundary layer air in a wind tunnel. (no sound)	Transcript Link

2016 11 21	NASA Glenn Research Center	https://youtu.be/-bT-C59uuE8	Science of Saffire	Our Saffire experiment fires up in space on Monday to look at how fire behaves in microgravity on 9 different spacecraft materials. Saffire manager Gary Ruff explains how fire works here on Earth.	Transcript Link
2016 11 14	NASA Glenn Research Center	https://youtu.be/JWOvdO7ZKNY	Future Air Vehicles- Concepts and Operations in Metropolitan Areas	A brief commentary on the University Student Design Challenge aeronautics project.	Transcript Link
2016 10 31	NASA Glenn Research Center	https://youtu.be/00Xs3XnXvg0	Orion Test Article on the Move	Time-lapse video shows the move of Orion's service module from the vibration table to the assembly high bay area in Plum Brook's Space Power Facility. (no sound)	Transcript Link
2016 10 25	NASA Glenn Research Center	https://youtu.be/EctisdaJv8I	Othmane Shape Memory Alloy Demo	Shape memory alloys are materials that can be stretched and reshaped by applying heat to the source. (no audio)	Transcript Link

2016 10 25	NASA Glenn Research Center	https://youtu.be/GErWFsBlxDg	Meet the Makers of NASA Glenn Othmane Benafan	The second installment of the Meet the Makers of NASA Glenn Series features engineer Othmane Benafan has created a rock splitter that will help NASA explore the rocky surface of Mars in this next edition of the Makers of Glenn Series.	Transcript Link
2016 10 18	NASA Glenn Research Center	https://youtu.be/NWnijkAbrfU	Director Dr. Janet Kavandi Student Design Challenge Welcome Message	NASA Glenn center director Dr. Janet Kavandi introduces the University Student Design Challenge.	Transcript Link
2016 10 13	NASA Glenn Research Center	https://youtu.be/SX3P-foK_mw	Orion Vibe Test at NASA Glenn's Plum Brook Station	A full-scale test version of the Orion service module undergoes vibration tests on the world's most powerful spacecraft shaker system at NASA Glenn's Plum Brook Station. The tests are designed to ensure the service module can withstand the intense vibrations it will experience when it launches and travels into space aboard the powerful Space Launch System rocket. (no audio)	Transcript Link
2016 09 29	NASA Glenn Research Center	https://youtu.be/ki-bb8LczlA	Maker Series Larry Greer	NASA Glenn's Larry Greer is an engineer who designs and creates gear to advance the center's research.	Transcript Link

2016 09 28	NASA Glenn Research Center	https://youtu.be/vRXPTwUp1Fk	Abigail Rodriguez Aerospace Technologist, Structural Materials NASA Glenn Research Center	Abigail Rodriguez serves as a structural materials engineer at the National Aeronautics and Space Administration's John H. Glenn Research Center in Cleveland. In this capacity she provides technical engineering expertise that assures incorporation of safety, reliability, quality assurance, and materials and processes in hardware development, fabrication, testing and operation efforts for aerospace and aeronautical projects. She also provides risk management insight and oversight to different projects.	Q
<p>Abigail began her NASA career as a spring intern in 2009 at Kennedy Space Center and a summer intern at Glenn from 2009-2012. She also served as a pathways intern from January 2013 to June 2014 before being hired full time in the Safety and Mission Assurance Directorate as a Materials and Processes Engineer.</p> <p>Born in Queens, NY, Abigail moved to Añasco, Puerto Rico when she was a year old. She earned a Bachelor of Science degree in civil engineering and a Master of Engineering degree in construction engineering and management from the University of Puerto Rico at Mayaguez.</p> <p>Abigail has been recognized with a 2016 Early Career Achievement Medal.</p>					
2016 08 31	NASA Glenn Research Center	https://youtu.be/KzxC2U4N2q8	Ceramic Matrix Composite Research	NASA Glenn Engineer Valerie Wiesner describes the research she is conducting into ceramic matrix composite components for next generation aircraft engines.	Transcript Link
2016 06 01	NASA Glenn Research Center	https://youtu.be/z7pfBrhvFNE	Join NASA Glenn for an Open House at Plum Brook Station	This year is NASA Glenn's 75th anniversary, and the celebration continues with an open house at Plum Brook Station in Sandusky, Ohio. See space exploration exhibits at the Kalahari Convention Center and then take a bus to Plum Brook Station to tour our world-class test facilities.	Transcript Link

2016 05 06	NASA Glenn Research Center	https://youtu.be/sXv-hp1g9go	Celebrate NASA Glenn's 75th Anniversary at our Open House	Join us for an exciting Open House celebrating NASA Glenn's 75th anniversary. Our staff will guide you through world-class facilities and show you the technologies that contribute to the future of NASA in aeronautics and our journey to Mars.	Transcript Link
<p>Each day will feature special presentations by NASA Glenn's technologists and researchers and hands-on activities for kids including making a handheld jet engine, straw rockets and solar energy bracelets as well as demonstration carts on lunar robotics, soda bottle rockets, alternative energy and more.</p>					
<p>And it's all free! Join us from 10 a.m. to 6 p.m. Saturday and Sunday.</p>					
<p>https://www.nasa.gov/feature/open-the-gates-nasa-glenn-invites-the-public-for-a-weekend-visit</p>					
2016 05 05	NASA Glenn Research Center	https://youtu.be/L6Hxv-wHsdg	When Hot Engines meet Ice Clouds	Research scientists at NASA Glenn recently put cameras into a hot aircraft engine to help understand how ice builds up inside when exposed to ice crystal clouds. The cameras and other advanced instruments were mounted on a small section of the engine internal flow path, where air passes through the engine, during a simulated experiment in the Propulsion Systems Lab. (no sound) feature story: http://www.nasa.gov/feature/when-hot-engines-meet-ice-clouds	Transcript Link
2016 03 15	NASA Glenn Research Center	https://youtu.be/Zvon9nqBA2Q	Orion Solar Array Wing Passes First Test	An international team of engineers deployed an Orion solar array wing at NASA Glenn's Plum Brook Station in Sandusky, Ohio on Feb. 29. The deployment of the 24-foot wing qualification model was an important first step in verifying Orion's power system for the spacecraft's first flight atop the agency's Space Launch System rocket. The mission, known as Exploration Mission-1 or EM-1, will venture tens of thousands of miles beyond the moon. See story and photos: http://go.nasa.gov/1Uw6wLD	Transcript Link
2016 03 08	NASA Glenn Research Center	https://youtu.be/ujjTdcno388	Heart Pump Motor Animation	When children are born with half a heart, they need medical intervention to stay alive. This animation shows how a heart pump motor, using NASA Glenn's flywheel technology, can work as part of a system being developed to help patients live into adulthood. (no sound)	Transcript Link
<p>NASA/Eric Mindek</p>					

2016 03 07	NASA Glenn Research Center	https://youtu.be/EUwmzvXxWIs	Women@GRC 2015	The Women@GRC 2015 video features incredible women from Glenn Research Center tell their stories and offer encouragement to women and girls who are considering a career at NASA.	Transcript Link
2016 03 03	NASA Glenn Research Center	https://youtu.be/PDc3ruOGGW4	How to Change a Light Bulb in Space	Astronaut Scott Kelly gets ready to change a white light lamp on the optics bench of the Fluids Integrated Rack, a microgravity science facility in the space station's Destiny Laboratory. (no sound)	Transcript Link
2016 03 01	NASA Glenn Research Center	https://youtu.be/QMhYlulhPYs	John Glenn Reflects on Lewis Research Center Renaming	On March 1, 1999, the Lewis Research Center was officially renamed the NASA John H. Glenn Research Center at Lewis Field. The name change was celebrated with a full day of festivities on May 7, 1999. Senator Glenn reflects on the honor and his legacy.	Transcript Link
2016 02 19	NASA Glenn Research Center	https://youtu.be/6mmEwAc_8z0	Upside Down, Inside Out John Glenn Recalls Astronaut Training on the Gimbal Rig	The multiple-axis space test inertia facility, fondly called "the gimbal rig," simulated tumble-type maneuvers that might be encountered in space flight. From February 15 through March 4, 1960, the gimbal rig provided valuable training for all seven Project Mercury astronauts. John Glenn explains how it worked and what the experience was like.	Transcript Link

2016 02 03	NASA Glenn Research Center	https://youtu.be/g21HlxXfJ8A	Administrator Bolden congratulates NASA Glenn on its 75th anniversary	NASA Glenn celebrated the kickoff of its year long celebration to commemorate the 75th anniversary of the center on January 25. NASA Administrator Charlie Bolden issued his congratulations and appreciation for all the contributions NASA Glenn has made to the advancement of aeronautics and space flight.	Transcript Link
2016 01 25	NASA Glenn Research Center	https://youtu.be/7lvQhp aMC7A	John Glenn offers congratulations to NASA Glenn for 75th Anniversary	As the NASA Glenn Research Center begins our celebration of our 75th anniversary, our namesake, Senator John H. Glenn offers his congratulations.	Transcript Link
2016 01 05	NASA Glenn Research Center	https://youtu.be/WJeM eXgKPWU	Hybrid Electric Aircraft Concept	NASA and industry leaders are looking at new, more efficient designs in aircraft that use hybrid electric propulsion to provide thrust and power for flight. (no sound)	Transcript Link
2015 12 10	NASA Glenn Research Center	https://youtu.be/55pRv Se8fEQ	NASA Celebrates Native American Heritage Month – Joseph W. Connolly	Biography- Joseph W. Connolly is currently working as an Aerospace Engineer in the Intelligent Control and Autonomy Branch at the NASA Glenn Research Center in Cleveland, Ohio. In this position, Joe develops dynamic models of supersonic propulsion systems for Aero-Propulso-Servo-Ealsticity research under the Commercial Supersonic Technology project, and is the task lead for Model-Based Engine Control under Transformative Tools and Technologies project. Joe earned his B.S. in Aerospace Engineering and B.A. in Sociology from the Ohio State University in 2004, his M.S. in Control Systems from Case Western Reserve University in 2009, and is currently a PhD. Candidate at Ohio State University in Aerospace Engineering.	Transcript Link

2015 11 20	NASA Glenn Research Center	https://youtu.be/pbRiTxzANmM	Hispanic Profile - Dionne M. Hernández Lugo, Ph.D.	<p>Dionne M. Hernández Lugo, Ph.D., graduate of the University of Puerto Rico is a research electrical engineer at NASA Glenn Research Center in Cleveland, Ohio. She serves as the principal investigator for the development of high-energy lithium-metal battery technologies. Her responsibilities include the development and testing of next generation lithium-metal battery technologies as well as leading a multidisciplinary team in the development of high-energy materials.</p> <p>Hernández Lugo is also a lead test engineer for the Advanced Space Power Systems Program. In this position, she works with commercial battery vendors in the integration and development of batteries.</p>	Transcript Link
2015 11 16	NASA Glenn Research Center	https://youtu.be/sJNK5eSOf6U	ANGEL Planetary Science Balloon Mission	<p>On September 4, 2015, NASA Glenn’s Rocket University team launched a balloon in New Mexico to demonstrate the controlled descent of a high altitude balloon payload to a predetermined landing site. The payload elevated to 120,000 feet and then disconnected from the balloon and was guided to the landing site by a paragliding parachute.</p> <p>The ANGEL experiment demonstrated how the Airborne Systems, Inc. Guided Precision Aerial Delivery System (GPADS) can benefit planetary science balloon missions through a risk-reduction flight test for high altitude balloon operations allowing for faster and cheaper recovery. Additionally, the impact forces experienced on landing are reduced with GPADS versus conventional parachutes. ANGEL shows a greater range of space science able to be performed with more sensitive equipment, as payload survivability is increased due to the system’s unique ability to perform a flared, into-the-wind landing.</p> <p>The ANGEL System is comprised of a drogue chute, ram-air canopy, and gondola, and will be taken to float altitude on the CSBF host vehicle and released. The integrated system will then cleanly separate and will land within the targeted impact zone. Landing loads, GPS and flight attitude and telemetry will be collected. ANGEL is an important first step towards maturing steerable paraglider technology and improving recoverability for high altitude balloon missions. (sound- natural wind only)</p>	Transcript Link
2015 09 11	NASA Glenn Research Center	https://youtu.be/0JkQ12JluJO	NASA Glenn Saffire experiment Watch how it will be conducted in space.	<p>NASA Glenn is leading an experiment that seeks to understand how fire spreads in a microgravity environment. Saffire I, II, and III will launch separately in 2016 aboard resupply missions to the ISS. But they will not be unloaded and after the Orbital/ATK Cygnus pulls far away from the space station, the experiments will begin. This animation explains how it all works.</p>	Transcript Link

2015 06 16	NASA Glenn Research Center	https://youtu.be/jvNMTZM7XvE	NASA Glenn's Plasma Spray-Physical Vapor Deposition Rig	NASA Glenn's Plasma Spray-Physical Vapor Deposition Rig uses a torch to create a high-powered plasma that vaporizes ceramic material and deposits it onto aircraft engine parts to protect them from extreme environments.	Transcript Link
2015 06 04	NASA Glenn Research Center	https://youtu.be/brQ6zpfEeNg	John Glenn reflects on the legacy of the NACA pt. 4	<p>It's been 100 years since the National Advisory Committee for Aeronautics (NACA) was founded to advance aviation. Eventually it would include space flight research and change its name to the National Aeronautics and Space Administration (NASA).</p> <p>John Glenn was first a Marine test pilot and was among those who would push the envelope in aviation. In a series of interviews, Glenn reflects on NACA's impact in aviation research.</p> <p>In this fourth installment, John Glenn discusses the importance of NACA's transition to NASA.</p>	Transcript Link
2015 05 28	NASA Glenn Research Center	https://youtu.be/vsWA2y7Dx2k	John Glenn on NACA transition to NASA	<p>It's been 100 years since the National Advisory Committee for Aeronautics (NACA) was founded to advance aviation. Eventually it would include space flight research and change its name to the National Aeronautics and Space Administration (NASA).</p> <p>John Glenn was first a Marine test pilot and was among those who would push the envelope in aviation. In a series of interviews, Glenn reflects on NACA's impact in aviation research.</p> <p>In this third installment, John Glenn discusses the importance of NACA and NASA research.</p>	Transcript Link
2015 05 21	NASA Glenn Research Center	https://youtu.be/RTi7P20WCPO	John Glenn reflects on the legacy of the NACA part 2	<p>It's been 100 years since the National Advisory Committee for Aeronautics (NACA) was founded to advance aviation. Eventually it would include space flight research and change its name to the National Aeronautics and Space Administration (NASA).</p> <p>John Glenn was first a Marine test pilot and was among those who would push the envelope in aviation. In a series of interviews, Glenn reflects on NACA's impact in aviation research.</p> <p>In this second video in the series, John Glenn discusses how the Whitcomb Area Rule changed the shape of aircraft.</p>	Transcript Link

2015 05 14	NASA Glenn Research Center	https://youtu.be/nK9NxUQam1k	John Glenn reflects on the legacy of the NACA	<p>It's been 100 years since the National Advisory Committee for Aeronautics (NACA) was founded to advance aviation. Eventually it would include space flight research and change its name to the National Aeronautics and Space Administration (NASA).</p> <p>John Glenn was first a Marine test pilot and was among those who would push the envelope in aviation. In a series of interviews, Glenn reflects on NACA's impact in aviation research.</p> <p>In this first video, John Glenn explains how early advances made by NACA benefited him as a Marine Corps fighter pilot.</p>	Transcript Link
2015 04 13	NASA Glenn Research Center	https://youtu.be/lPfl5U-Ogck	Hubble@25 - Glenn's Contribution to Hubble	Expanding Our Universe: NASA Glenn's Contributions to Extend the Life of the Hubble Space Telescope	Transcript Link
2015 02 27	NASA Glenn Research Center	https://youtu.be/-41MPHAsQk8	Women@GRC Video Honors Inspirational Women	Ready to be inspired? Be sure to check out a new video featuring all of Glenn's nominees for the 2014 Women@NASA interactive project. The video provides a glimpse of our nominees and their inspirational messages, which offer encouragement to women and girls who are considering a career at NASA.	Transcript Link
2015 02 03	NASA Glenn Research Center	https://youtu.be/NnKxbdpLP5E	Titan Submarine Exploring the Depths of Kraken Mare	What would a submarine to explore the liquid methane seas of Saturn's Moon Titan look like? This video shows one submarine concept that would explore both the shoreline and the depths of this strange world that has methane rain, rivers and seas! The design was developed for the NASA Innovative Advanced Concepts (NIAC) Program, by NASA Glenn's COMPASS Team, and technologists and scientists from the Applied Physics Lab and submarine designers from the Applied Research Lab. [music only - no narration]	Transcript Link

2014 04 01	NASA Glenn Research Center	https://youtu.be/Rg0AWmsjDro	Astronaut Karen Nyberg Visits NASA Glenn	NASA Astronaut Karen Nyberg visited NASA Glenn Research Center on March 20 for a post-flight briefing with the center's International Space Station space experiments and human health team.	Transcript Link
2014 03 20	NASA Glenn Research Center	https://youtu.be/931SXklAeO8	NASA Glenn Careers	Interested in a career at NASA Glenn Research Center in Cleveland, OH? This video will show you our employees in action, and the technical expertise that continues to grow at Glenn. To apply, visit www.usajobs.gov	Transcript Link
2014 02 26	NASA Glenn Research Center	https://youtu.be/4C3Rp_u8vkiE	NASA Glenn Research Center's Contributions to the Ares I-X Rocket Test	NASA Glenn Research Center designed, constructed, transported and helped integrate the Upper Stage Simulator for the near flawless Ares I-X rocket test flight in October 2009.	Transcript Link
2014 02 13	NASA Glenn Research Center	https://youtu.be/jVXhCmZxppl	Buckeye Regional FIRST Robotics Kickoff	Inventor and FIRST Founder Dean Kamen launched the 2014 FIRST Robotics Competition season with the Kickoff of a new robotics game called AERIAL ASSIST. Over 100 high-school students from Ohio and Erie Pa., joined the 2014 Kickoff via live NASA-TV broadcast at Cuyahoga Community College Unified Technologies Center. Once these young inventors build a robot, their teams will participate in the Buckeye Regional FIRST Robotics Competition that measure the effectiveness of each robot, the power of collaboration and the determination of students.	Transcript Link

2013 12 05	NASA Glenn Research Center	https://youtu.be/jrZAH-3RD3o	Software Defined Radio Offers Flexible Platform to Further Space Science	Through a collaborative effort, the award winning NASA/Harris Ka-band Software Defined Radio (SDR) is the first, fully reprogrammable, space qualified SDR operating in the Ka-band frequency range.	Transcript Link
2013 09 09	NASA Glenn Research Center	https://youtu.be/OKI-vromzaQ	NASA's Evolutionary Xenon Thruster (NEXT) Gridded Ion Thruster	<p>A gridded ion thruster uses electrical energy to create, accelerate and neutralize positively charged ions to generate thrust. The discharge chamber is responsible for the creation of ions when neutral atoms and electrons collide while the magnetic field containing the electrons increases ionization efficiency.</p> <p>The screen and accelerator electrodes accelerate the ions to extremely high speeds using electric fields. The neutralizer provides additional electrons to balance the overall charge being ejected from the thruster and keep the spacecraft electrically neutral. Learn more at go.nasa.gov/18IWxYY</p> <p>NASA animation credit: Eric S. Mindek (Wyle Information Systems, LLC)</p>	Transcript Link
2013 08 16	NASA Glenn Research Center	https://youtu.be/hK_kW8NBsKs	NASA Glenn Research Center Balloon Mission Launch	The mission shown here was the Stratospheric Terahertz Observatory (STO), launched on January 15, 2012 from Antarctica. It studied large dense molecular clouds in the southern sky of the Milky Way. The BRRISON mission, explained here - (http://go.nasa.gov/1bDq2xP) is using many of the STO subsystems (computers, pointing, and stabilization equipment).	Transcript Link
2013 08 07	NASA Glenn Research Center	https://youtu.be/yDoUR8Msf2w	Celebrating Inspirational Women at Glenn	Check out this year's class of nominees from NASA Glenn for the agency's Women@NASA project, which celebrates women from across the agency who contribute to NASA's mission in many ways. This video provides a glimpse of Glenn's nominees and their inspirational messages, which offer encouragement to women and girls who are considering a career at NASA. For more information about Women@NASA, visit http://women.nasa.gov/ .	Transcript Link

2013 05 14	NASA Glenn Research Center	https://youtu.be/DE0x3RYpsK8	Ice Accretion Animation	This animation shows how ice accretion can occur when an airplane, with a turbofan engine, travels through a high altitude ice crystal cloud.	Transcript Link
2013 04 15	NASA Glenn Research Center	https://youtu.be/XGNcH56JZvU	Non-Flow-Through Fuel Cell	This animation shows a fuel cell similar to the one installed on the hydrogen powered bus. The fuel cell is made of many stacked, thin layers. When hydrogen and air enter each of these layers, the hydrogen gas molecules (red particles) are split into two positive hydrogen ions and two electrons. The electrons flow through an external circuit producing electricity to run the motor. The hydrogen passes through the membrane, combining with oxygen (green particles) to form water, which is expelled. The yellow particles represent impurities, such as argon gas, that build up in the system but are eventually purged.	Transcript Link
2013 04 15	NASA Glenn Research Center	https://youtu.be/gqQL4jGHHig	Tree Biomechanics Research with NASA Technology	Understanding the biomechanics of tree failure was the purpose of a research project conducted by NASA Glenn Research Center and Morton Arboretum. With support from the Tree Fund, scientists learned more about how trees fail under wind and snow loads.	Transcript Link
2013 03 13	NASA Glenn Research Center	https://youtu.be/puBWBWUWJDc	Building a Career at NASA	In this episode of NASA Now three experts who work in very different fields at NASA discuss their jobs, responsibilities and what they enjoy most about their work. They also talk about what inspired them to pursue their careers and offer career advice to students. Silicon carbide sensors, developed at Glenn to function in high-temperature and harsh environments, are also featured in this video for their new role in power distribution and jet engines.	Transcript Link

2013 03 07	NASA Glenn Research Center	https://youtu.be/Lq63sVCEkQ0	The Future of Space Travel	NASA astronaut Greg Johnson discusses the future of space exploration and the logical progression of sending humans to Mars. He talks about sending astronauts back to the moon and the possibility of building a lunar habitat to understand more about working and living in space. See how NASA Glenn's Spring Tire technology is being used in the Mars mission as well as how it may be used here on Earth.	Transcript Link
2013 03 07	NASA Glenn Research Center	https://youtu.be/KcKr_LFLpxs	Careers From Teacher to Astronaut	Join educator and astronaut Dottie Metcalf-Lindenburger as she describes her dream job and the exciting adventures of space travel. Also learn about how research done on atomic oxygen at NASA Glenn is enabling the restoration of artwork and decontamination of surgical implants.	Transcript Link
2013 03 07	NASA Glenn Research Center	https://youtu.be/fgr09jCcyI	NASA Now The Body in Space	Join Dr. Liz Warren as she discusses some very serious negative long-term effects and some interesting short-term changes the human body experiences in space. Learn how an inflatable communications technology developed at NASA Glenn is benefiting disaster relief efforts around the world.	Transcript Link
2013 03 07	NASA Glenn Research Center	https://youtu.be/DINv4reWYg4	Friction Stir Welding	Shane Brooke, welding engineer at Marshall Space Flight Center in Huntsville, Ala., discusses friction stir welding and its use in the engineering of spacecraft. Also see how NASA' Glenn's composite fan case technology is benefiting not only the aeronautics industry but also the sporting goods industry.	Transcript Link

2012 09 14	NASA Glenn Research Center	https://youtu.be/1-MBBLQyBLw	NASA Space Communications and Navigation	The NASA Space Communications and Navigation (SCaN) program develops a wide range of new and innovative technologies enabling NASA mission communication and navigation needs. This video discusses how SCaN utilizes the NASA Small Business Innovative Research (SBIR) program to engage with and harness the technological innovation of small American businesses.	Transcript Link
2012 05 15	NASA Glenn Research Center	https://youtu.be/-jVAqaaHy6g	TWEET UP.mov	John Glenn Tweetup celebrating the 50th anniversary of John Glenn's orbital flight of Friendship 7.	Transcript Link
2011 10 06	NASA Glenn Research Center	https://youtu.be/px0Z99Z3Qxk	September 11 A Decade Later Glenn's Remembrance Program [Event]	A video compilation of employee testimonies of where they were on September 11, 2001, as well as what this tragedy means to them.	Transcript Link
2011 10 03	NASA Glenn Research Center	https://youtu.be/47pZZVIG478	September 11 A Decade Later Glenn's Remembrance Program (cont.) [Code D]	A continuation of employee testimonies of where they were on September 11, 2001, as well as what this tragedy means to them.	Transcript Link

2011 09 30	NASA Glenn Research Center	https://youtu.be/1I5UrGs5FM	September 11 A Decade Later Glenn's Remembrance Program (cont.) [Codes R,T]	A continuation of employee testimonies of where they were on September 11, 2001, as well as what this tragedy means to them.	Transcript Link
2011 09 30	NASA Glenn Research Center	https://youtu.be/2a00EewksU	September 11 A Decade Later Glenn's Remembrance Program (cont.) [Codes F,H,K,M]	A continuation of employee testimonies of where they were on September 11, 2001, as well as what this tragedy means to them.	Transcript Link
2011 09 30	NASA Glenn Research Center	https://youtu.be/gsEqjXCeMzs	September 11 A Decade Later Glenn's Remembrance Program (cont.) [Codes V,Q,N,G]	911, September 911 Codes V_Q_N_G_	Transcript Link
2011 09 30	NASA Glenn Research Center	https://youtu.be/XrUasrA_20A	September 11 A Decade Later Glenn's Remembrance Program (cont.) [Codes A,S,B,C]	A continuation of employee testimonies of where they were on September 11, 2001, as well as what this tragedy means to them.	Transcript Link

2011 07 14	NASA Glenn Research Center	https://youtu.be/lwIDW8ZgE8g	NASA Glenn Honor Awards 2011	The 2011 NASA Glenn Honor Awards Ceremony opened with a unique tribute to this year's award winners. A music video spotlighted this year's award-winning teams and individuals in a very personal way. Award winners were asked to come up with three words to represent their work, their passions or something unique to them either as a team or as an individual.	Transcript Link
2011 04 05	NASA Glenn Research Center	https://youtu.be/mNLj_pcaadg	Super Thin Ceramic Coatings - The Next Generation of Gas Turbine Engine Technology	New technology being developed at NASA's Glenn Research Center creates super thin ceramic coatings on engine components. The Plasma Spray -- Physical Vapor Deposition (PS-PVD) rig uses a powerful plasma flame to vaporize ceramic powder, which condenses onto the component and forms a uniform ceramic coating. Bryan Harder, the lead for the PS-PVD, demonstrates the innovative technology.	Transcript Link
2009 06 05	NASA Glenn Research Center	https://youtu.be/zUi7L7VLwr4	Defying Gravity NASA Glenn	NASA Glenn engineers teach students the physics of spaceflight during Math and Science Week at Cedar Point Amusement Park in Sandusky, Ohio. Read more about the event and the similarities between amusement park rides and spaceflight at http://www.nasa.gov/topics/nasalife/features/defy_gravity.html	Transcript Link
2009 05 08	NASA Glenn Research Center	https://youtu.be/Z1LK1meT1s	Designing Faster Planes	NASA research lead to a new design that makes airplanes faster and more fuel efficient.	Transcript Link

2009 04 06	NASA Glenn Research Center	https://youtu.be/3LORf7nkYho	Quieter Aircraft	NASA research is making airplanes quieter.	Transcript Link
2009 03 30	NASA Glenn Research Center	https://youtu.be/qzQkbLOGI4o	Safer Landings	NASA research resulted in grooved runways and highways.	Transcript Link
2009 02 27	NASA Glenn Research Center	https://youtu.be/TCZu0ViEACE	Ohio Astronauts Celebrate NASA's 50th	<p>19 Ohio astronauts appeared in Cleveland August 29, 2008 to celebrate NASA's 50th anniversary. John Glenn, the first American to orbit Earth, Neil Armstrong, the first person to walk on the moon, Jim Lovell, veteran of two Apollo missions, and Kathryn Sullivan, the first woman to walk in space joined 15 other astronauts from Ohio.</p> <p>The Ohio aerospace community hosted the event to celebrate 50 years of NASA innovation, inspiration, and discovery, the achievements of NASA's Glenn Research Center, and to salute Ohio's astronauts.</p> <p>Glenn, a former Ohio senator, was the honorary chairman of the event and veteran NBC News Space Correspondent Jay Barbree, the only journalist to cover every manned space launch in the United States, was the keynote speaker.</p> <p>Barbree moderated "A Conversation with the Astronauts," during which the 19 astronauts in attendance reminisced about their spaceflight experiences. These are the highlights of the conversation.</p>	Transcript Link
2009 02 27	NASA Glenn Research Center	https://youtu.be/23WG3t8Gh-M	Preventing Ice on Aircraft	NASA improves aviation safety in dangerous weather conditions through research, pilot training and invention.	Transcript Link

2009 02 27	NASA Glenn Research Center	https://youtu.be/Tl5k0nO9hk	Aircraft Weather Communication	A NASA communication system helps pilots and air traffic controllers plan for bad weather.	Transcript Link
2009 02 09	NASA Glenn Research Center	https://youtu.be/QNfJrjCokA	Mind-Reading Research	Advanced technology could help pilots when they are operating under dangerous levels of stress, fatigue and distraction. Read about the study at http://www.nasa.gov/topics/aeronautics/features/pilot_cognition.html	Transcript Link
2008 12 10	NASA Glenn Research Center	https://youtu.be/suniiic07z4	Shuttle Debris Impact Testing	Glenn engineers helped NASA return the shuttle to flight by testing its wing panels for resistance to damage from foam and ice. Read more about this project at http://www.nasa.gov/returntoflight/crew/Ballistics_RTF_Feature.html	Transcript Link
2008 12 04	NASA Glenn Research Center	https://youtu.be/M3m5npzgVLY	Gimbal Rig	The old multiple-axis space test inertia facility at NASA Glenn, fondly called "the gimbal rig," simulated tumble-type maneuvers that might be encountered in space flight. All Mercury astronauts trained on this rig. Find out more about the gimbal rig at http://www.nasa.gov/centers/glenn/about/history/mastif.html	Transcript Link

2008 12 03 NASA Glenn Research Center <https://youtu.be/7t868zyq2nU> A Window to the Body After his father has cataract surgery, a NASA Glenn scientist invents a new way to diagnose the disease before surgery is necessary. Find out about NASA Glenn's contributions to medical science at <http://www.nasa.gov/centers/glenn/moonandmars/med.html> [Transcript](#) [Link](#)