

INNOVATE, INSPIRE, IGNITE CREATIVITY



BOB MOOG
FOUNDATION

bobmoogfoundation.org

THE BOB MOOG FOUNDATION: TWO DECADES OF INSPIRATION

It is with pride and excitement that the Bob Moog Foundation celebrates nearly two decades of inspiring the next generation of innovators. What began in 2005 as one volunteer working out of her basement has grown into a thriving institution with a vibrant staff and three ever-evolving projects that synthesize science, music, and innovation. Our hallmark projects, Dr. Bob's SoundSchool, the Bob Moog Foundation Archives, and the Moogseum have inspired over 100,000 children and adults to think creatively and embrace the process of discovery.

As we look forward to the next 20 years, we have our sights set on expanding these projects to make them more accessible to people around the country and around the world. We aim to serve underprivileged populations here at home, and wider populations around the globe by greatly increasing the breadth of our work online. Our goal is simple: To inspire as many people as possible through Bob's pioneering legacy.

We recognize that Bob's legacy is as powerful as it is ethereal. As we move forward, we cradle its brilliant warmth and we dedicate ourselves to sharing it for the betterment of the greater good, just as he did when he was alive. We hope that you'll join us in that pursuit.

Honored to Serve,

Michelle Moog-Koussa



Our hallmark projects, Dr. Bob's SoundSchool, the Bob Moog Foundation Archives, and the Moogseum have inspired over 100,000 children and adults to think creatively and embrace the process of discovery.”

— MICHELLE MOOG-KOUSSA
Executive Director
Bob Moog Foundation & the Moogseum



A photograph of Bob Moog standing in his studio, surrounded by electronic music equipment. He is wearing a light blue patterned shirt and has his arms crossed. In the foreground, a Moog synthesizer is visible. The background is filled with racks of modular synthesizer components and other electronic gear.

BOB MOOG (1934-2005)

A LEGACY OF *Innovation*

Few people have impacted electronic music like Bob Moog. His invention of the Moog synthesizer in 1964 **revolutionized almost every genre of music**, empowering musicians ranging from the Beatles to Herbie Hancock, Radiohead and Daft Punk to explore new sonic landscapes and discover unknown sounds. Musicians and fans are indebted to Bob's designs. His impact on recorded and live music has changed how we listen to and experience our favorite artists and musicians forever.

AWARDS

- 1970: Grammy Trustees Award
- 1970: Billboard Trendsetters Award
- 1980: Audio Engineering Society Silver Medal Award
- 1985: Rock Walk Hall of Fame
- 2000: Fresh Air interview with Terri Gross
- 2002: Technical Grammy Award
- 2004: Polar Music Prize
- 2005: TEC Lifetime Achievement Award
- 2004: Moog Documentary Released
- 2007: Minimoog Wins Sonic State's World's Most Iconic Analog Synthesizer
- 2013: Induction into the National Inventors Hall of Fame
- 2021: Induction into NC Music Hall of Fame

TRANSFORMING LIVES THROUGH *Science, Music & Innovation*



MISSION

The Bob Moog Foundation is a 501(c)(3) non-profit organization inspiring and educating people of all ages and backgrounds through the art and science of music. Motivated by and in appreciation of Bob Moog's lifetime achievements, we offer unique programs that inspire creativity, encourage problem-solving skills, and spark imagination. We cultivate these essential aptitudes by providing innovative instruments and interactive experiences. The Foundation has seen the profound effects of our work on the individuals who have participated.

These hands-on opportunities for science of sound exploration occur at Dr. Bob's SoundSchool and the Moogseum located in downtown Asheville, North Carolina. They also are accessible online and via traveling exhibits.

VISION

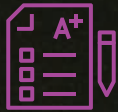
As a leader in **inspiring future innovators** through the intersection of science, music, and imagination, the **Bob Moog Foundation** will leverage the pioneering legacy it represents to nurture the next generation of creative thinkers. Reaching more than **50,000 young students** throughout the United States by 2028 through **Dr. Bob's SoundSchool**, we will inspire them to use their knowledge of the physics of sound to engage in scientific exploration and creative thinking, embrace life-long academic and intellectual discovery, and pursue professions in science and audio engineering. We will **connect 100,000 people** to the inspirational force of Bob Moog's pioneering legacy through the **Moogseum** and we will forge new connections between students, thought leaders, and groundbreaking musicians, creating a dynamic network of people who strive to contribute to society in innovative and transformative ways.

ENCOURAGING GENERATIONS OF CREATIVE THINKERS

THE ART BEHIND THE *Science*

The **STEM** (Science, Technology, Engineering, and Math) model has prepared students for a 21st-century workforce—to a point. The framework helps individuals and students learn skills necessary for a rapidly advancing economy. However, it doesn't address the creative, problem-solving, and critical thinking skills essential to thrive.

Using exposure to the science of sound through interactive and engaging exercises, **Dr. Bob's SoundSchool** and the **Mogseum** demonstrate how a **STEAM** (Science, Technology, Engineering, Arts, and Math) approach leads to improvements such as:



Students scored better on standardized tests when they were more active in the arts — compared to those who were less active in the arts.



Music appreciation students score **61 POINTS HIGHER** on the verbal and **42 POINTS HIGHER** on the math portions of standardized tests.



Students reportedly also watched less TV, felt less bored in school and participated in more hours of community service.

Americans believe that the arts are vital to providing well-rounded education for children.

93%

Americans agree that arts education encourages & assists in the improvement of a child's attitude toward school.

86%



US ranks 12th in science education among 37 OECD countries

Peak Frequency
1894 MHz

THE BOB MOOG FOUNDATION ARCHIVES

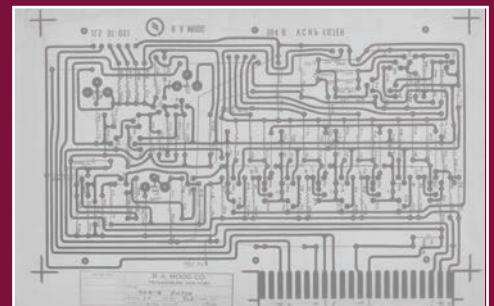
SHARING A HISTORY OF *Innovation*

“Bob Moog was insatiably curious about the intersection of science and art. We aim to instill that same curiosity in the people that we serve.”

— MICHELLE MOOG-KOUSSA
Executive Director
Bob Moog Foundation & the Moogseum

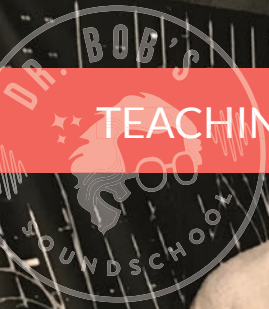
The Bob Moog Foundation Archive is an extensive body of materials representing 50 years of pioneering efforts. It offers a captivating glimpse into Bob Moog’s legacy. These cultural artifacts exhibit his creative and innovative spirit. In addition to meticulous schematics and memorabilia, included in the vast collection are over 15,000 pieces of archival material and growing. This array of material is the core of our historical exhibits at the Moogseum.

Additionally, we partner with museums and science centers around the country to exhibit archival materials and even exhibit at regional and national music festivals. This helps extend our reach to tens of thousands of people of all ages and expose more people to the wonders of the legendary Bob Moog.





TEACHING THE SCIENCE OF SOUND



INSPIRING THE NEXT GENERATION OF *Innovators*



Dr. Bob's SoundSchool is the hallmark of The Bob Moog Foundation. This educational project is an **experiential 10-week curriculum** that teaches

second-grade students the physics of sound using acoustic and electronic musical instruments. It includes the theremin and technological tools like oscilloscopes. Customized educational materials developed by the Bob Moog Foundation academic team supplement these **enriching STEAM-based lessons**.

This **unique interactive, multi-sensory curriculum** empowers teachers to teach the physics of sound to second graders. Often, we aren't only teaching children. We are exposing their parents and instructors as well, teaching two generations at the same time.

STATS

Serves **3,000 students** every year, delivering **30,000 individual lessons**, in over **100 classrooms**.

Has served over **35,000 students** in the past **10 years**, delivering **350,000 individual lessons**.

We have trained over **400 teachers** in the science of sound.



YOUR DONATION

Empowers Students & Teachers



Through Dr. Bob's SoundSchool, students learn about:

- **How sound is made:** vibrations, waveforms, energy
- **How sound travels:** through identifying the source, medium, and receiver of sound
- **Parameters of sound:** pitch/frequency and loudness/amplitude
- **Physical difference between music and noise:** periodic and aperiodic waveforms
- **How sound is heard:** how the ear is constructed, and how it works
- **Scientific methodology:** writing down your idea, testing the idea, writing down the results and conclusion, just like Bob did in his schematic notebooks!

See options for supporting our important educational work on back cover.

CRAIG FRUSTACI
ASSISTANT DIRECTOR



I'm touched every day by how many people Bob has inspired, and continues to inspire, in every corner of the world. We at the Bob Moog Foundation have not just the honor of stewarding his pioneering legacy, but also the immeasurable privilege of inspiring future generations through our important work.

— CRAIG FRUSTACI
Assistant Director
Bob Moog Foundation & the Moogseum

MOOGSEUM

BRINGING BOB MOOG'S LEGACY ALIVE
TO OVER 10,000 VISITORS A YEAR

The Bob Moog Foundation features the one and only Moogseum.

The Moogseum is the convergence of the Foundation's goals of educating and inspiring people through electronic music, just as Bob did. It serves as an educational, historical, and cultural resource to Western North Carolina and the worldwide community through unique interactive experiences.

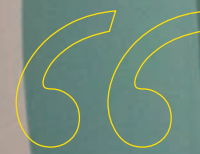
Built on the success and growth of Dr. Bob's SoundSchool and the Bob Moog Foundation Archives, the Moogseum opened its doors to visitors in 2019. Since then, it has attracted over 45,000 visitors from all over the world.

STATS

Has welcomed over **45,000 attendees** of all ages since opening in May 2019.

They have been inspired by a vast array of innovative, custom-designed exhibits.

Has been featured in **Billboard Magazine, Atlas Obscura, PBS, PBS NC, Fast Company, The Verge,** and more.



The Moogseum may be the coolest museum in the world.”

— 5 MAGAZINE



INTERACT WITH *A Musical Revolution* EXHIBITS

- Interactive **timeline of Bob's life** and work using multimedia, including never before seen personal documents that give insight into his thinking. More than 700 archival items are accessible through the timeline's touchscreen kiosks.
- The all-important **story of Leon Theremin** and his seminal invention, the theremin, both inspirational forces in Bob's life and work.
- **Working theremins and oscilloscopes**, providing easy instruction on how to play the theremin and understanding waveforms.
- Immersive "**How Electricity Becomes Sound**" visualization dome. Guests are invited to step inside a circuit board and trace electricity as it evolves into sound, delving into the very heart of Bob's work in sound synthesis.
- **Re-creation of Bob's workbench**, and an exhibit on modular synthesis, featuring a legendary modular that includes prototype modules from the late '60s.
- **Interactional "History of Synthesis"** timeline honoring 34 historical and contemporary developments in the field, bringing many fascinating but little-known instruments to life and giving a context to Bob's work.
- **Immersive Learning Synthesis** exhibit providing a hands-on opportunity into the basics of sound synthesis for novices and advanced learners.
- **Bob's Connection to Asheville** exhibit lends insight into Bob's early connection to western North Carolina.
- **Patching Sound**, which carefully guides the visitor through the fundamentals of modular synthesis through easy, accessible instruction.



SUPPORT

DONATE

You can make a tax deductible monetary donation online at moogfoundation.org, call 828.258.1262 or mail to: **Bob Moog Foundation, P.O. Box 8136, Asheville, NC 28814**
For gift of stock or plan estate giving options, please contact info@moogfoundation.org



IN-KIND DONATION

You can also make an in-kind contribution and receive a letter of acknowledgement for your tax purposes. In-kind contributions can come in many forms such as instruments, supplies, gifts, etc. If you have ideas of your own feel free to contact us at info@moogfoundation.org.

VOLUNTEER

Volunteering for the Bob Moog Foundation is fun and our volunteers are ROCKSTARS!



BECOME A MEMBER

Sign up for a year long membership to the Bob Moog Foundation and the Moogseum, which will give you access to exclusive, members-only benefits and allow you to advocate for Bob's pioneering legacy at the intersection of science, music, and innovation.



SIGN UP FOR OUR E-NEWSLETTER

Join our email list to receive raffle updates, special discounts, news, and more.



/The Bob Moog Foundation
/Moogseum



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SUPPORT AND INSPIRE THE FUTURE
GENERATION OF INNOVATIVE THINKERS



BOB MOOG
FOUNDATION

The Bob Moog Foundation is an independent 501 (c) (3) non-profit organization.
Our support comes from donors like you.

bobmoogfoundation.org