We are proud to report that the Da Vinci Science Center is moving full STEAM ahead, offering a full array of exhibits and educational programming at its current site, bringing back valued team members, and expanding staff to support the development of the new Da Vinci Science Center at PPL Pavilion in downtown Allentown. Your generosity throughout the pandemic has sustained us during a challenging year and provided tremendous support for the development of a major new science center that will help address disparities in educational opportunity magnified by COVID-19.

Since early 2020, the COVID virus has dictated how the Science Center could engage with the community safely; we were forced to continue reimagining how to bring science to life and lives to science. We slowly transitioned from 100% virtual and outdoor experiences to limited-capacity indoor exhibits and programs in order to keep everyone safe. To date we have distributed more than 11,000 at-home STEAM kits to students and continue to offer virtual programming to many schools.

Thanks in great part to your unfaltering support, the Science Center fully resumed operations in June 2021; with updated health and safety measures. The Cedar Crest facility opened to the public allowing families to reconnect with their favorite exhibits and participate in a variety of summer camp programs. A record-breaking number of visitors (over 28,000) – many of them sporting their favorite dinosaur outfit – came out for the summer’s traveling exhibit, Expedition: Dinosaur, Rise of the Mammals! Also, together with our partners, we once again were able to offer hands-on science learning programs in schools and at community sites. In addition, and again with the help of many of you, we awarded more than $10,000 in Linny Fowler STEAM scholarships for summer camps, which is four times the amount awarded in a typical year.

The dedication and hard work of our staff, board, and volunteers are the reasons we were able to pause, regroup and reimagine how we could continue to bring science to life and lives to science during the pandemic and beyond. Our people are why the science center is stable and well-positioned for growth, and we owe them our deepest gratitude.

The pandemic not only highlighted and deepened economic disparities but spotlighted racial inequities that persist in our community and throughout the country. The Da Vinci Science Center continues on its journey to center equity, formally incorporating Diversity, Equity, Inclusion and Accessibility (DEIA) as a key focus area within our Strategic Plan. We recognize that science literacy empowers individuals, spurs economic development and contributes to a healthy, vibrant community. To that end, we are committed to providing a diverse and inclusive workplace and to centering equity in our current exhibit and programming experiences, as well as in plans for the new facility.

We are at once thrilled and humbled by the support that the new Da Vinci Science Center at PPL Pavilion has received to date as we move forward with plans for groundbreaking in the spring of 2022.

While the Da Vinci Science Center continues to move full STEAM Ahead, we remember those who shared our vision from the beginning. We are honored to recognize Dr. J. Robert “Bob” Lovett, founding chair of the organization and emeritus trustee, as the first recipient of the Visionary Leadership Award. Dr. Lovett’s bold vision and incredible generosity will influence the evolution of the Da Vinci Science Center for generations to come.

On behalf of the board, staff and volunteers, thank you for your ongoing support.

Sincerely,

James E. McLean
Chairman of the Board

Lin Erickson
Executive Director and CEO

James E. McLean, WMS (He/Him)
Chairman of the Board

Lin Erickson (She/Her)
Executive Director and CEO
The widespread interest in the interdisciplinary STEAM approach to education has fueled the number of area schools engaging the Da Vinci Science Center STEAM Team in professional development and classroom programming, including:

**ALLENTOWN SCHOOL DISTRICT (ASD)**
In year 2 of the Next Century Allentown STEM Elementary Initiative, Science Center educators provided training for 4th and 5th grade teachers on the Smithsonian Science for the Classroom Curriculum; 1756 students in grades 4 and 5 participated in 467 virtual classroom visits with hands-on STEM kits, a Science for the Classroom reader, and a student notebook; and students participated in 2 virtual field trips hosted by The Flying Classroom. Also, the Science Center professional developers are helping ASD teacher-leaders prepare for the Next Generation Science Standards coming soon to Pennsylvania. This initiative is made possible by The Century Fund. PPL generously provided support for the purchase of the Smithsonian readers.

**CARBON-LEHIGH INTERMEDIATE UNIT (CLIU)**
With a four-year grant from the U.S. Department of Education Professional Development for Arts Educators program, the Science Center continued collaborating with CLIU to prepare teachers to use technology in visual arts and STEAM classrooms. Teachers from 11 districts and 3 charter schools further developed their skills and comfort with block coding, digital design, and fabrication equipment, and they are giving their students opportunities to work on physical computing projects using the classroom sets of electronics components in the grant lending library.

**LEHIGH VALLEY CHILDREN’S CENTERS (LVCC)**
The Science Center partnered with LVCC through a Lehigh County COVID relief grant to provide engaging hands-on STEAM kits for families, offer virtual professional development for teachers, and equip science learning centers with COVID safe learning materials in each of its 19 preschool classrooms with 297 students. In 2022, with support from PNC Bank Foundation, this project will expand to Northampton and Carbon counties, providing STEAM learning opportunities to teachers, students, and families in another 17 classrooms with 227 preschool students.

**JEWISH DAY SCHOOL OF THE LEHIGH VALLEY**
What began as a creative solution to fill the need for a science teacher during the onset of the pandemic has evolved into a partnership in which Da Vinci Science Center educators teach students in grades 3 to 8 in a STEAM Lab, engaging students in months-long, hands-on projects.

**STEAM IN ACTION**
Science, Technology, Engineering, Art, and Mathematics are the building blocks for the world around us. STEAM-centered education is a holistic approach that promotes critical thinking, problem solving, teamwork and creativity while making connections between schools, the community, and the workplace.
BEST SAFE DAY OUT WITH THE KIDS

Science brought us the vaccines that are helping to keep our community safe and healthy. Science also guided the organization as the center reopened while protecting the health and safety of our visitors. The Science Center’s popular year-round exhibits sparked curiosity in visitors of all ages.

- **ENGINEERS ON A ROLL**
  A combined engineering lab, playscape, and climbing space that engages youth in technology, math and engineering through play.

- **KEVA BUILD IT UP!**
  A studio that invites tinkerers of all ages to create castles, skyscrapers, and other masterpieces with the popular KEVA planks.

- **PPL ELECTRIC UTILITIES ENERGY ZONE**
  Exhibits that explore the nature of energy and invite visitors to dance and let sparks fly while learning how much energy it takes to light their homes.

- **TUNNEL VISION**
  A hit with youngsters who have to feel their way through a 72-foot maze-like tunnel in complete darkness.

The summer’s traveling exhibit, Expedition: Dinosaur Rise of the Mammals, drew 28,027 dinosaur lovers from throughout the region and goes on record as being one of the Science Center’s most popular traveling exhibits.

My 4 year old son enjoyed all the exhibits. We stayed for 3 hours but he could have stayed for 5! The best is we did not do everything so there are things to look forward to when we come again.

DID YOU KNOW?

Science centers don’t just spark curiosity, for many they inspire a life-long love of science. Studies show:

- The impact of science centers grows as individuals visit more frequently—interest in science amongst youth and adults roughly doubles for every extra visit up to around 5 or more visits.
- The more science capital (defined as science-related qualifications, interest, literacy and social contacts) a young person has, the more likely they are to study science in higher education.
The STEAM Team assembled and distributed more than 11,000 hands-on STEAM kits to students participating in virtual programming this year. These kits made it possible for the students and their families to engage in hands-on STEAM experiences even when they could not participate in person.
Since 1999, the Da Vinci Science Center has bestowed its annual Hall of Fame Awards to students who show a unique passion for science and educators who utilize innovative approaches to inspire enthusiasm for science. Additionally, professionals and companies are honored for their commitment to STEAM education and support of the Science Center’s mission. A special thanks to Megan Deller, Business Team Leader, Quality, Mack Trucks for hosting this year’s virtual gathering.

This year’s recipients once again reaffirmed that an investment in STEAM education is an investment in our future.

**EDUCATOR EXCELLENCE AWARDS**

Stacey Chunko  
Cynthia Dale  
Denise Route  
Matt Erway

**STUDENT SCHOLARSHIP AWARDS**

Purva Gupta  
Allison Liu  
Anhiktha Manunatha  
Angelina Xu  
Lucy Clayton

**EREL STEM SCHOLARSHIP RECIPIENT**

The Erel STEM Scholarship is funded by Fusun Bubernack, philanthropist and entrepreneur, in honor of her parents, Hasan Fehmi & Sabahat Erel, and their commitment to the importance of quality education and the pursuit of excellence.

**THANK YOU TO THE HALL OF FAME PROGRAM PRESENTING SPONSOR**

And thank you to the Award and Scholarship sponsors:  
ATAS International; B. Braun; Corbenic Partners, LLC; Just Born; PPL; Vince and Michelle Sorgi; Michael J. Stoudt, Jr., CPA and Stoudt Associates, LLC; Victaulic
WISE INITIATIVE

The WISE Initiative was established in 2014 as part of the Science Center’s broader commitment to supporting women and girls in STEAM. The WISE Initiative is dedicated to encouraging girls who aspire to follow a STEAM career path and creating a supportive community of women employed in STEAM fields.

Within the WISE Initiative is the WISE Network, a large group of women working in STEAM fields coming together to address three primary goals: 1) to directly mentor young girls who are interested in STEAM; 2) to connect professional women employed in STEAM fields, creating a community of STEAM professionals who support one another through networking, social events, and mentoring; and 3) to bring passion, insight, expertise, and resources to advise the Da Vinci Science Center on strategies for developing girls’ interest and achievement in STEAM.

EXECUTIVE ADVISORY COUNCIL

The WISE Initiative is overseen by an Advisory Council made up of leaders from area corporations, colleges and universities, and organizations serving women and girls.

CO-CHAIRS

Joy Karnas, Ph.D., Professor of Biological Science & Genetic Engineering, Director of the Honors Program, Cedar Crest College
Jean Vincent, Ph.D., Sr. Vice President, R&D Specialty Additives, Research, Development & Innovation, Evonik Corporation

MEMBERS

Jennifer Allenbach, Chief Mission Delivery Officer, Girl Scouts of Eastern Pennsylvania
Erin Armstrong, Associate Director, Sterilization, B. Braun Medical Inc (past co-chair)
Mary Armstrong, Ph.D., Charles A. Dana Professor of Women’s, Gender & Sexuality Studies and English Chair, Women’s, Gender & Sexuality Studies Program, Lafayette College
Fusun Bubernack, President, ET&T Voice, Data, MSP & Security Services Expert
Megan Deller, Business Team Leader, Quality, Mack Trucks
Lin Erickson, Executive Director and CEO, Da Vinci Science Center
Bonnie Hall, VP, Global Quality & Continuous Improvement, Crayola
Stephanie Hnatiw, Owner, Interim Executive Director and Fund Development Services
Kristen Jellison, Ph.D., Associate Professor, Department of Civil and Environmental Engineering, Lehigh University
Jodi Koch, VP, Patient Care Services, Lehigh Valley Hospital- Cedar Crest
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Darlene Pors, Special Projects Design Associate, HT Lyons
Rajika Reed, Ph.D., MPH, M.Ed., VP, Community Health, St. Luke’s University Health Network
Kelly Rindock, VP, Wealth Management, Steel Valley Investment Group, Raymond James & Associates, Inc.
Susan Schierwagen, VP, Product Development, Victaulic
Katy Worrilow, Ph.D., Founder and CEO, LifeAire Systems, LLC and Adjunct Professor, Penn State Univ Lehigh Valley (past co-chair)

2021 8TH ANNUAL WISE FORUM

A VIRTUAL GATHERING

MODERATOR

Julie L. Gerberding, M.D., M.P.C, Chief Patient Officer, Strategic Communications, Global Public Policy, and Population Health, Merck & Co., Inc.

PANELISTS

Kelly Beaver, B.S., MBA, Vice President, Energy Marketing and Supply, UGI Energy Services
Victoria Boyd Brifo, B.S., Senior Vice President and Chief Human Resources Officer, Air Products
Jaye Gardiner, Ph.D., Postdoctoral Research Associate, Fox Chase Cancer Center and IF/THEN® Ambassador
Lisa Nibauer, B.S., MBA, Executive Vice President, OnSure Technologies
Elsa Reichmanis, Ph.D., Professor and Carl Robert Anderson, Chair, Department of Chemical and Biomolecular Engineering, P.C. Rossin College of Engineering and Applied Science, Lehigh University
Annette Van Dien, B.S., M.S., Senior Structural Engineer, D’Huy Engineering, Inc.
In recognition of the prominent role played by the Lovett family in the Science Center’s development over more than two decades, the Board of Trustees announced that Curiosity Hall in the new Da Vinci Science Center at PPL Pavilion in downtown Allentown would be named for the Lovett family.

In this grand courtyard, which will serve as a central gathering space in the new science center, visitors will be inspired by Leonardo da Vinci’s insatiable curiosity. The monumental 60-foot human figure shown here will take its inspiration from Leonardo’s Vitruvian Man.
WE ESPECIALLY WANT TO THANK THE FOLLOWING LEAD SUPPORTERS:

PUBLIC
Commonwealth of Pennsylvania
City of Allentown
Allentown Neighborhood Improvement Zone Development Authority

PRIVATE
PPL Electric Utilities, title building sponsor

OUR SINCERE GRATITUDE TO THE CAMPAIGN COMMITTEE
Vincent Songi, President & CEO, PPL Corporation, Committee Chair
Rick Bucher, President & CEO, Victaulic
Greg L. Butz, President & CEO, Alvin H. Butz, Inc.
Arthur Dorn, Market President, Trust
Lin Erickson, Executive Director & CEO, Da Vinci Science Center
Hon. Jane R. Ervin, CEO, Community Services For Children, Retired
Beall Fowler, Ph.D., Emeritus Professor, Lehigh University
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Tyrone Russell, President, Faces International
Ashley S. Russo, President/Owner, ASR Media Productions
Victor Salicetti, President & CEO, AmericaVen
Julien Sauvagnargues, President & Regional Representative Officer, Olympus Corporation of the Americas
MaryEllen Dickey, Chief Philanthropy Officer, Da Vinci Science Center

A special thanks to members of the Science Catalyst Society for believing in the vision before it was fully formed. For a list of members see our website.

INCREASING IMPACT TODAY

Over the next year, we will continue to build upon our signature programs, including the Next Century STEM Elementary Initiative in the Allentown School District, STEM Summer Learning Programs, the Young Inventors Program, and the WISE Initiative, to develop students’ 21st century skills and spark lifelong interest in STEAM.

In addition, we will prepare to launch the STEAM Career Ladder Program, a series of out-of-school-time experiences for middle school and high school students helping to prepare them for future college studies and careers. Students in grades 6 through 12 will earn credits toward a STEAM Certificate by participating in educational programs, volunteering as Science Center educators, and completing paid internships with the Science Center and corporate partners. Student recruitment will begin in early 2023.

INVESTING IN TOMORROW

As we continue our high impact work in the community, we are also moving forward with the construction of the new Da Vinci Science Center at PPL Pavilion. We expect to break ground in spring 2022. We aren’t simply relocating into a larger space; we are reimaging the ways in which we bring science to life and lives to science using the power of 21st century technology fueled by the creative energy of a renowned team of artists, designers, engineers, and scientists.

The Da Vinci Science Center at PPL Pavilion is made possible thanks to the generous support of our community.

CENTERING EQUITY

The Da Vinci Science Center is committed to providing a diverse and inclusive workplace and centering equity in its exhibit and programming experiences. As the new science center is developed, hiring local talent who reflect the community is a priority.

The Science Center began its journey in centering equity several years ago with women and the LGBTQ+ communities and has continued with a specific focus on race. Equity is embedded in its strategic plan with the goal of establishing a culture that is welcoming to all.

FULL STEAM AHEAD
The Honor Roll of Giving recognizes donors whose financial commitments have supported the Da Vinci Science Center during the most recently completed fiscal year, July 2020 to June 2021.
### BASE OPERATIONS

**Fiscal Year Ended June 30**  
**2021**  
**2020**

<table>
<thead>
<tr>
<th>Category</th>
<th>2021</th>
<th>2020</th>
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<tr>
<td>Revenues</td>
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<td>933,837</td>
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<tr>
<td>Admissions, workshops &amp; programs</td>
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<td></td>
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<td>Support :</td>
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<tr>
<td>Contributions</td>
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<td>Total Support</td>
<td>2,197,601</td>
<td>1,223,367</td>
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<tr>
<td><strong>Total Revenues &amp; Support</strong></td>
<td>3,184,444</td>
<td>2,591,322</td>
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### EXPENSES

Program services: 2,108,072  
Supporting services: 2,303,423  
Management & general: 431,718  
Funding: 232,759  
**Total Expenses**: 2,772,549  

### CHANGE IN NET ASSETS

**Base Operations**: 411,895  
(389,111)

### NEW FACILITY CAPITAL PROJECT*

<table>
<thead>
<tr>
<th>Revenues</th>
<th>2,365,790</th>
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**Assets New Facility**: 2,289,408  
**Assets Combined**: (769,967)

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* Funded for planning and design activities for a new facility received in fiscal year 2021

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### STATEMENTS OF ACTIVITIES

### STATEMENTS OF FINANCIAL POSITION

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HELP US CONTINUE TO BRING SCIENCE TO LIFE AND LIVES TO SCIENCE

DONATE NOW
DaVinciScienceCenter.org

YOUR DONATION WILL

• INSPIRE CURiosity in all our children so they become the problem solvers and creative thinkers of tomorrow

• EMPOWER EDUCATORS with the tools needed to encourage learning and interest in STEAM

• CONTRIBUTE TO creating a scientifically literate, healthy and vibrant community

THE PHILANTHROPY DEPARTMENT
Mail Attn: Philanthropy Department
Da Vinci Science Center
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Allentown, Pa 18103
MaryEllen Dickey, Chief Philanthropy Officer
maryellen.dickey@davincisciencecenter.org, 610-703-7171
Tammy McCrae, CFRE, Institutional Giving Manager
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Brandon Marth, Philanthropy Officer, brandon@davincisciencecenter.org
Sharon Rubart, Philanthropy Specialist
sharon.rubart@davincisciencecenter.org, 484-264-3452

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Tyler Groff, Director of Sales and Visitor Experience
Karen Nuechterlin, Senior Director of STEAM Education
Caroline Scott, Director of Communications and Community Relations
Brian Strohecker, Senior Director of Business Development and Operations

*As of December 2021