EXPANDING IMPACT
Investing in Our Region
2016 Community Impact Report
3145 Hamilton Blvd. Bypass
Allentown, PA 18103
484.664.1002
davincisciencecenter.org
Dear Friends,

The Da Vinci Science Center had a record-breaking year in 2016 and we are so grateful that you were part of this milestone! We welcomed more than 140,000 visitors and program participants (a 75% increase since 2011). With new exhibits, a robust field trip schedule, and an ever-growing outreach program, we were successful in bringing science to life and lives to science for so many in our region.

Our outreach programs continued to bring science into our schools and the community. Our educators, volunteers, mentors, and community partners made it possible to bring a diverse range of programs to underserved areas. We are particularly proud of the growing opportunities we offer for students to connect with STEM professionals at their schools, as well as at the Center. Students were able to experience science in action and learn about the educational backgrounds and career paths of scientists and engineers in our community. We believe, and research supports, that early and frequent interaction with STEM yields a more equipped future workforce.

While we are excited about the opportunity to build a new facility in Easton, we are just as committed to expanding our educational offerings at our Allentown facility. In addition to the expansion of our outreach programs, in 2017 we are opening new permanent exhibit areas including the PPL Energy Zone and the Engineers on a Roll preschool experience.

Our need for your continued investment has never been greater as we seek to turn our visions into realities. We look forward to working with you, and we thank you for your tireless support of our mission to bring science to life and lives to science.

With heartfelt appreciation,

Vincent Sorgi, Chairman, Board of Trustees
Lin Erickson, Executive Director and CEO

It was a huge year. You gave your time, talent, and resources to support our youth and our community and created more impact than ever before.

THANK YOU

Investing in Our Region

The Da Vinci Science Center Brings Science to Life and Lives to Science

To be a visionary leader and partner advancing science learning, quality of life, and economic development in the Lehigh Valley area by:

• Making Science Fun
• Supporting STEM Education
• Inspiring a 21st Century Workforce
• Advancing Social and Economic Vitality

Visions of the 21st Century

To be a leader in advancing the quality of life in the Lehigh Valley area by:

• Bringing science to life
• Driving workforce development
• Inspiring 21st Century guests
• Advancing social and economic vitality

Our Vision

We create educational experiences that engage the community, inspire young people, and fuel the future of our region.

Our Mission

The Da Vinci Science Center is dedicated to inspiring young people, empowering educators, and engaging the community to bring science to life and lives to science.

Our Values

• Inspire: We inspire young people to succeed.
• Engage: We engage the community in STEM education.
• Inspire: We inspire a 21st Century Workforce.
• Empower: We empower educators to achieve.
• Inspire: We inspire economic development.
• Empower: We empower workforce development.

Our Impact

• Over 140,000 visitors in 2016
• 10,000 students enrolled in programs
• Over 90,000 people reached through outreach programs
• Over 14,000 pre-schoolers engaged in educational exhibits
• Over 1,000 volunteers contribute over 10,000 hours of service
• Over 10,000 teachers and educators at workshops

The Da Vinci Science Center is a leader in bringing science to life and lives to science.
STEM pervades every aspect of our lives. STEM education develops 21st century skills of teamwork, collaboration, and problem solving, important to employers in all industry sectors.

Most jobs of the future will require a basic understanding of math and science. In the Lehigh Valley, 20% of jobs require a high level of STEM knowledge.1

Highly-skilled baby boomers in STEM fields are retiring, and STEM jobs are growing three times faster than non-STEM jobs.2 These STEM jobs pay family-sustaining wages – providing an opportunity for students from low-income families to break the cycle of poverty.

The Demand for STEM Education

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“Our family visited this past weekend! We enjoyed the Animal Grossology AND getting slimed!!!” - Facebook review

Record Visitor Days
December 29, 2015
Arctic Paws Sled Dog Show • 1,341
January 9, 2016
Ice Cream Wars • 1,841
March 12, 2016
Star Wars Day • 2,309

Interactive Exhibit Experiences included Animal Grossology, our Summer 2016 Featured Exhibit.

Live Science Shows, like our Slime Science Livet quiz show, were held summer weekends and holidays.

Summer Camp sessions included video game design, amusement park physics, spy camp, animation, forensics, slime, space, and more!

Feature Programs engaged visitors in hands-on science.

Impact Numbers
In building Attendance
101,907; 51% increase since 2011

Membership
3,721 member households; 78% increase over 2015

Summer Camp Attendance
596 participants; 19% increase over 2015

Scout Programs offered the opportunity to earn exclusive Da Vinci Science Center badges.

Ice Cream Wars 8.0

Eggcellent Adventures
Supporting STEM Education

Impact Numbers

School Field Trips
21,205 students from 80 school districts

Outreach Programs
40,836 participants; 172% increase since 2011

Teacher Days of Training
858 days

School Field Trips included new hands-on workshops like Keva Construction.

“The experience was wonderful. The students love the first and second floor exhibits, the Crime Solvers workshop, and Live Science show. The second floor exhibits tied in particularly well with our STEM curriculum. Thank you.”
- Joanne McCluskey, Math and Science Teacher from Lester D. Wilson Elementary in Pittstown, NJ

“Best place yet for a field trip.”
- Denise Hall, 4th Grade Teacher from Bridge Valley Elementary School in Furlong, PA

Professional Development for Teachers, like the award-winning Greater Allentown Math Science Partnership (GAMSP), advanced teacher proficiency.

STEM Summer Literacy programs reduced summer learning loss.

Pop-Up Maker Spaces in the Neighborhood Improvement Zone (NIZ) sparked students’ creativity through integration of science with the arts.

The level of students’ enthusiasm was extremely high with some classes reporting 100% attendance. “This never happens!” commented one teacher.
Impact Numbers
Making Connections
5,331 students interacted with STEM Professionals; among those surveyed, 80% reported an increased interest in STEM.
Lehigh Valley FAST
4,200 attendees with more than 100 exhibitor tables from artists, scientists, and engineers.
Family CodeFest
569 single-day visitors.
Science Fair Awards
20 P JAS Regional Award winners in the Allentown School District.

Inspiring a 21st Century Workforce
Lehigh Valley Festival of Art, Science, and Technology (FAST) combined maker activities with the integration of the arts and science through hands-on science experiences.

Family CodeFest engaged visitors in hands-on computer science activities to commemorate the national Hour of Code.

I Heart My Heart connected visitors with Lehigh Valley Health Network professionals.

Science Fair mentors helped students achieve honors at regional and state science competitions.

Meet the Scientist programs exposed students to science in practice.

Women in Science and Engineering (WISE) Field Trip Day connected students with female practicing STEM professionals.
**Expanding Impact**

- 720,000 Total Participants
- 600,000 Outreach
- 40,000 Additional Site
- 40,836 Outreach
- 142,743 Total Participants

**Vision for Our Future**

- Current Site
- Additional Site

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**Da Vinci Science City**

**Easton, PA**

Exploring in partnership with the City of Easton, the feasibility of a major science center and aquarium complex in the city’s scenic waterfront area. This additional site will be a major new tourist attraction, a significant driver of economic development, and a dynamic resource for STEM education in the Lehigh Valley.

**Da Vinci Outreach**

**Across the Lehigh Valley**

Expanding professional development for educators and student outreach with emphasis on underserved populations.

**Endorsements**

- "A visit to Da Vinci can spark a lifetime passion for a young child and set them on a path for success. The Lehigh Valley and our entire state will benefit from the work that takes place in this expanded facility.”
  - United States Senator Robert Casey, Commonwealth of Pennsylvania

- "The project has the potential to not only raise Easton’s profile, but also to generate job growth in related businesses and industries.”
  - United States Representative Matt Cartwright, Commonwealth of Pennsylvania, 17th District

- "I applaud the Da Vinci Science Center’s efforts to cultivate broad-based interest in STEM learning and STEM careers throughout northeastern Pennsylvania. The Wolf Administration believes that investing in STEM education is critical to ensure a future pipeline of skilled workers to grow Pennsylvania’s economy and assure its continued well-being.”
  - Dennis Davin, Secretary, Department of Community and Economic Development

- "This is a transformational project for the City of Easton and for the Lehigh Valley.”
  - Don Cunningham, President and CEO, Lehigh Valley Economic Development Corporation

- "The Chamber believes there’s nothing more important than vibrant urban cores. Hats off to Mayor Panto and the very bright future for the City of Easton.”
  - Tony Iannelli, President and CEO, Greater Lehigh Valley Chamber of Commerce

- "The Center already is a Lehigh Valley treasure. Bringing Da Vinci Science City to Easton would be a terrific next step in our city’s artistic, cultural and educational renaissance.”
  - Alison R. Byerly, Ph.D., President, Lafayette College

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**Current Site**

- Da Vinci Science City

**Allentown, PA**

Re purposing to a state-of-the-art STEM educational facility for children under the age of 8.

**2016**

- 142,743 Total Participants
- 40,836 Outreach
- 101,907 Outreach
- 120,949 Additional Site

**2021**

- 142,743 Total Participants
- 40,836 Outreach
- 101,907 Outreach
- 120,949 Additional Site

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**Expanded Outreach**

- Economic Benefit:
  - 200 permanent full-time equivalent jobs
  - $4 million in direct economic activity
  - $100 million in total economic activity annually
  - Developing a 21st century STEM workforce

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Lin Erickson and Governor Tom Wolf at CEO Roundtable in January, 2017.
Our Supporters

Honor Roll Giving*

Honor Roll Giving recognizes all donors whose financial commitments have supported the Da Vinci Science Center during the most recently completed fiscal year.

Facts, Figures, and Friends Behind Our Work

July 1, 2015 to June 30, 2016

$100,000+
The Harry C. Trexler Trust

$50,000+
BB&T

$25,000+
BB&T

$10,000+
Buckno, Lisicky & Co.

$5,000+
Best Buy Foundation

$1,000+
Victor and Jacqueline Agostinho

$100,000+
The Da Vinci Science Center

July 1, 2015 to June 30, 2016

Our Supporters

Life Time Achievement:

At the 2016 Hall of Fame Awards Gala, the Da Vinci Science Center bestowed its highest honor, the Lifetime Achievement Award, on its founding chairman, J. Robert Lovett, Ph.D. Dr. Lovett has been instrumental to the Da Vinci Science Center’s success at every stage of its development: establishing the Center as an independent non-profit organization in 1999, merging with the Center with Leonardo Da Vinci’s Horse, Inc. in 2003, and moving the facility to Cedar Crest College in 2015. Today, he is leading efforts to explore how the Center can better serve low-income youth — further demonstrating his lifelong commitment to investing in education and his community.

*Does not include in-kind gifts.
Volunteer Leadership – Frank Schweighardt, Ph.D. – Frank Schweighardt has been an integral member of the Da Vinci Science Center community since 2005, serving as a board member since 2010. Serving as a board member since 2010.

F rank K. Schweighardt, Ph.D. has been an integral member of the Da Vinci Science Center community since 2005, serving as a board member since 2010. Serving as a board member since 2010.

Frank Schweighardt, Ph.D.

Under Dr. Schweighardt’s direction, 18 District science fair contestants and future scientists. As a chemist and a district science fair contestant, 18 District science fair contestants and future scientists.

Since 2005, serving as a board member since 2010. Serving as a board member since 2010.

Future scientists. As a chemist and a district science fair contestant, 18 District science fair contestants and future scientists. As a chemist and a district science fair contestant, 18 District science fair contestants and future scientists.
The Women in Science and Engineering (WISE) Forum in February featured a dinner followed by a public forum of distinguished females in STEM. The dinner was attended by more than 180 guests, including 90 high school girls who networked with college students, faculty, and female STEM professionals. Following the dinner, a panel of six distinguished female STEM professionals shared their challenges, accomplishments, and encouragement with the standing-room-only crowd.

More than 275 guests attended the Hall of Fame Awards Gala, presented by PPL. The Gala celebrated the accomplishments of students, educators, and community leaders in advancing STEM education and raised funds to support Da Vinci Science Center operations.

2016 WISE Forum Distinguished Panelists

Angela Bakker-Lee, Ph.D., Partner and VP, IBM
Aprille Joy Ericsson, Ph.D., Aerospace Engineer and Instrument Manager, NASA Goddard Space Flight Center
Ellen Kullman, Chairman and CEO, Retired, DuPont
Lorraine Soisson, Ph.D., Senior Technical Advisor on Malaria Vaccine Development, US Agency for International Development
Patricia Vera, Senior Director of Risk Management, Daiichi Sankyo
Ann E. Weber, Ph.D., VP Lead Optimization Chemistry, Retired, Merck Research Laboratories

2015-16 WISE Sponsors

Network Founding Sponsors
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St. Luke’s University Health Network
Forum Presenting Sponsor
Daiichi Sankyo, Inc.
Forum Table Sponsors
Air Products
ATA S International, Inc.
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Buckno Lisicky & Company
Spirit of Verrocchio Mentorship Award Sponsor
BB&T
Gala and Hall of Fame Award Sponsor
Cedar Crest College
Distinguished Female STEM Leadership Award Sponsor
Northampton Community College

Gala Auction Sponsor
Citi Center Lehigh Valley
Reception Sponsor
St. Luke’s University Health Network
Talent Energy Corporation

2016 Hall of Fame Awards Gala

HALL OF FAME AWARD WINNERS

Lifetim e Achievement Award
J. Robert Lovett, Ph.D.
Student Excellence Awards
Rohith Bose
Erie Sotomayor
Young Scientist Award
Yvonne Anan
Educator Excellence Awards
Michael Brolly
Frank and Yvonne Schweighardt
Sally Gammon

Northampton Community College
Merck Research Laboratories & Merck VM Development Group
BSCI Corporate Benefits
Sphatik Partner Architects
Stevens & Lee

Vitruvian Trophy Sponsors
Bob Fowler
Fowler and Penz Creations

News Media Sponsor
The Morning Call Media Group

Additional In-Kind Sponsors
Allentown School District Foundation
The Baum School of Art
C. J. Weatherhead Topa Topa and Express Business Center
Justin Giordano Photography
Statement of Activities
Fiscal Year 2016
Fiscal Year 2015
Admissions, workshops and programs 914,907 904,769
Gift shop 192,213 198,764
Membership 195,719 145,672
Special events 171,941 131,305
Other* 415,557 48,859
Total Revenues 1,890,337 1,491,396

Contributions 803,808 782,932
Grants, government 195,937 201,527
Grants, private 310,264 409,047
Donated materials & supplies 311,496 271,032
Total Support 1,519,065 1,576,505
Total Revenues & Support 3,409,402 3,067,897

Program services 2,529,544 2,182,979
Supporting services: Management and general 442,589 441,576
Fundraising 280,203 200,461
Loss on sale of assets 14,324
Total Expenses 3,252,336 2,928,240
Change in Net Assets 157,066 64,634
Net Assets, beginning 6,476,444 6,214,510
Net Assets, ending 6,633,510 6,279,144

Statement of Financial Position
Fiscal Year 2016
Fiscal Year 2015
Current Assets:
Cash, cash equivalents, CD’s 1,180,621 1,245,015
Accounts receivable 20,916 48,026
Grants receivable 188,028 187,000
Unconditional promises to give 147,229 168,185
Inventory 18,704 19,059
Prepaid expenses 113,087 250,706
Total Current Assets 1,716,385 1,793,981

Noncurrent Assets:
Property, plant, and equipment 6,710,491 6,620,592
Unconditional promises to give 34,000
Total Noncurrent Assets 6,744,491 6,654,592
Total Assets 7,460,876 7,448,573

Current Liabilities:
Current portion of long-term debt 52,008 49,948
Accounts payable and other liabilities 33,000 142,015
Deferred revenue 100,203 62,115
Total Current Liabilities 185,214 214,078

Refundable advances 1,003
Total Current Liabilities 446,359 654,739

Long-term debt, less current maturities and unamortized costs 942,781 1,140,420
Total Liabilities 1,392,140 1,795,159

Net Assets:
Unrestricted 5,568,109 5,671,656
Temporarily restricted 500,570
Total Net Assets 6,068,679 6,172,226
Total Liabilities and Net Assets 7,460,876 7,448,573

Earned Revenue by Source
(Thousands of Dollars)

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<th>Source</th>
<th>2016</th>
<th>2015</th>
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<td>Admissions, Workshops and Programs</td>
<td>$1,802,621</td>
<td>$1,245,015</td>
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<tr>
<td>Gift Shop</td>
<td>$192,213</td>
<td>$198,764</td>
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<tr>
<td>Memberships</td>
<td>$195,719</td>
<td>$145,672</td>
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<tr>
<td>Special Events</td>
<td>$171,941</td>
<td>$131,305</td>
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<tr>
<td>Other*</td>
<td>$415,557</td>
<td>$48,859</td>
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Support by Source
(Thousands of Dollars)

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<tr>
<th>Source</th>
<th>2016</th>
<th>2015</th>
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<tr>
<td>Contributions</td>
<td>$803,808</td>
<td>$782,932</td>
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<tr>
<td>Grants, Government</td>
<td>$195,937</td>
<td>$201,527</td>
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<td>Grants, Private</td>
<td>$310,264</td>
<td>$409,047</td>
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<tr>
<td>Donated Materials &amp; Supplies</td>
<td>$311,496</td>
<td>$271,032</td>
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Financial Trend Net Income
(Thousands of Dollars)

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<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
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<tr>
<td>FY 2013</td>
<td>$178</td>
<td>$157</td>
<td>$65</td>
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<tr>
<td>FY 2014*</td>
<td>$543</td>
<td>$459</td>
<td>$65</td>
</tr>
<tr>
<td>FY 2015</td>
<td>$666</td>
<td>$543</td>
<td>$65</td>
</tr>
<tr>
<td>FY 2016</td>
<td>$783</td>
<td>$543</td>
<td>$65</td>
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* FY2015 includes $348,430 from the sale of a Leonardo’s Horse Statue.

* FY2016 includes $348,430 from the sale of a Leonardo’s Horse Statue.
Our People

Chairman: Vincent Sorgi, Senior Vice President and Chief Financial Officer, PPL Corporation
Vice Chairman: James E. McIsaac, WMS, Senior Vice President, Investments, Steel Valley Investment Group
Treasurer: Stephen K. Breininger, Vice President and Controller, PPL Corporation
Secretary: Hon. Jane R. Ervin, CEO/President, Retired, Community Services for Children, Inc.
Chief Executive Officer: Lin Erickson, Executive Director and CEO, Da Vinci Science Center

Leadership Team
Lin Erickson, Executive Director and CEO
Maurice Michael, Chief Administrative Officer
Jennifer E. Gilk, Chief Philanthropy Officer
Judy Belaire, Director of Philanthropy and Special Assistant to the CEO
David Smith, Ph.D., Edward and Mary Dorney Senior Director of Science and Strategy
Karen Knecht, Director of Education
Brian Strohecker, Director of Business Development

Make Your Impact: Help Stop Summer Learning Loss

Studies show that during summer breaks, students can lose up to three months of grade level equivalency in math and reading. Help us stop that Summer Slide by supporting the STEM summer learning experiences led by the Da Vinci Science Center – including our summer camps, field trips, outreach programs, and our featured travelling exhibit Goose Bumps! The Science of Fear. These programs present STEM subjects to kids informally, playfully, and in ways that relate to their interests. With generous support from the community, scholarships will be available for at-risk youth to participate in these programs. Please help us provide children with the skills they need to stay on track all while having FUN!

The Da Vinci Science Center offers sponsorship and support opportunities, including planned gifts, at a range of financial levels. For more information, visit davincisciencecenter.org/support for details or call the Center’s Philanthropy Office at 484.664.1002, Ext. 102, and help us inspire the next generation of scientists, inventors, and engineers!

The Da Vinci Science Center of Science and Technology, Inc. (or Da Vinci Science Center) is an independent nonprofit educational institution and 501(c)(3) organization. The organization’s Federal Tax Identification Number is 23-2824084. Contributions to the Da Vinci Science Center are tax-deductible to the fullest extent allowed by law. The official registration and financial information may be obtained from the Pennsylvania Department of State by calling toll-free, within Pennsylvania, 1.800.732.0999. Registration does not imply endorsement.