THE MISSION OF FLYING CLOUD INSTITUTE IS TO INSPIRE YOUNG PEOPLE AND EDUCATORS THROUGH DYNAMIC SCIENCE AND ART EXPERIENCES THAT IGNITE CREATIVITY.
Dear Flying Cloud Friends,

We have been following the gorgeous images coming back from the James Webb Space Telescope, ethereal pictures of the distant universe and galaxy clusters. Talk about wow moments!

I think about the many smart, creative scientists and engineers who worked together for over 25 years to make this glimpse into infinity possible, dreaming big and planning down to the smallest detail. All of us will benefit from their care and curiosity for years to come.

As Flying Cloud dreams big and looks towards a bright future, there is one thing we know for sure: there is no empty sky. The universe is full of light and mystery. Our Flying Cloud community—families, schools, staff, volunteers, artists, scientists—creates a constellation together that lights up our world. You are one of those guiding lights and we are so grateful to have you on this joyous exploration with us.

MARIA RUNDLE
EXECUTIVE DIRECTOR

WWW.FLYINGCLOUDINSTITUTE.ORG
20 Stockbridge Rd., Suite 2  Great Barrington  MA  01230  413.645.3058
In 2022 Flying Cloud expanded creative, hands-on learning opportunities to children throughout Berkshire County and beyond. This would not be possible without committed donors, dedicated volunteers, families, alums, community partners, and a hard-working staff and board.

Financial Report

Total Expenses
$397,853

<table>
<thead>
<tr>
<th>Program Services</th>
<th>$307,347</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative &amp; General</td>
<td>$31,828</td>
</tr>
<tr>
<td>Fundraising Expenses</td>
<td>$58,678</td>
</tr>
</tbody>
</table>

Total REVENUE
$506,415

<table>
<thead>
<tr>
<th>Tuition &amp; Program Income</th>
<th>$148,914</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Income</td>
<td>$221,265</td>
</tr>
<tr>
<td>Donations &amp; Gifts</td>
<td>$135,401</td>
</tr>
<tr>
<td>Interest/Misc</td>
<td>$835</td>
</tr>
</tbody>
</table>

“\text{I can’t thank you enough for the experience you gave my students this week. The empowered looks on their faces and in their voices was pure magic. Today was an experience that empowered them for a moment to believe in themselves. Every child deserves that and an adult who believes in them. Today you gave that to them.}”

- Sue Garcia, Morningside Science Specialist

Schools Districts Served

Program Delivery as measured by contact hours

- Berkshire Hills - 32%
- Southern Berkshire - 19%
- Pittsfield - 38%
- Lee - 7%
- Region One, Ct - 5%
**S•M•Art Schools**  
Supporting Students and Schools

YOU empowered Flying Cloud to become a leader in STEAM education, using art to teach science, technology, engineering, and math.

Public school educators face uphill challenges in overcoming economic disparity and the effects of the pandemic.

**You were there for them!**

The Flying Cloud community provided life-changing and transformative experiences for students, critical support to educators, and contributed vibrancy to local schools.

Flying Cloud supporters made possible:

- Equitable access to STEAM learning by bringing Flying Cloud programs into 13 public schools!
- Science residencies supporting 6 Teachers and 187 students
- MakerSpace and Girls Science Club after-school programs FREE for over 100 youths every week.
- Summer, winter, and spring break programs for 180 youth

---

**Liliana Atanacio**  
FCI S•M•Art Schools Educator

"As an engineer, creator, and educator, it gives me purpose to create a safe learning environment for each student who shows up at the MakerSpaces. I invite students to forget all they know about math and join me on a fascinating trip to explore fractals and sequences."

"We foster an open minded approach to learning science and engineering. You can see when a concept clicks in their brain while building. *In that wow moment, their eyes light up* as their MagLev trains levitate or the LED light glows on their circuitry. Students have a sense of achievement when they walk out with their own projects in their hands. **Hands-on learning is a powerful way to form new synapses in the brain.**"
In a Physics of Sound residency at Stearns Elementary, students participated in a series of hands-on sound and light wave investigations. Flying Cloud hires musicians like Jerome Edgerton of Youth Alive to use percussion as an anchoring phenomenon to understand energy transfer. Then, students built working speakers!

Teaching authentic science practices creates a science mindset that empowers all learners and releases their innate curiosity. For 39 years, Flying Cloud has supported teachers through classroom residencies and professional development workshops — all focused on helping teachers bring the best science practices into their classrooms.

**2022 Classroom Residencies**
- 4th grade Energy Transfer residency at Lee Elementary School for 55 students.
- Yearlong Life Science residency for 12 students at South Egremont School
- Geology and Animation residency for 90 eighth-grade students at W.E.B. Du Bois in Great Barrington
- Physics of Sound residency for 30 fourth-grade students at Stearns in Pittsfield

**2022 Professional Development**
Flying Cloud Institute led professional development for 50 teachers at the Wade Institute for Science Education.
The National Science Foundation reports that women hold less than 30% of STEM occupations, excluding healthcare. Increasing the rate of women in STEM is an important step to creating a stronger STEM pipeline in the Berkshires, where 1 in 5 jobs are STEM-related.

**STEM jobs pay better!** In Massachusetts, the average annual entry-level wage for STEM is approximately $56,000, around twice that of the $28,000 average. Research suggests that single-gender STEM programs for girls are important because they can increase girls' confidence, engagement, interest, and self-esteem in STEM. In YWIS's multigeneration approach, 19 high school and college mentors contributed 153 hours to assisting younger students, serving as positive female role models and creating a supportive community.

Your support of Young Women in Science allowed 120 girls to work hand-in-hand with 17 STEM professionals.

“**It is a pleasure to work with Flying Cloud in their mission to assist young women to take on STEM as a career. We need more gender equity in STEM-related fields.**”

Andrea Wagner, PhD
Chief Technology Office, Co-Owner of Berkshire Sterile Manufacturing

WWW.FLYINGCLOUDINSTITUTE.ORG
Above, Emma with mentors Abigail "Apple" Webster and Jess Sammons.

In 2017, Apple was a student in Flying Cloud's STEM Summer where she discovered a love of microbiology. In 2022, she returned as a STEM mentor to volunteer with the next generation of Young Women in Science.

When Apple started college this fall, we were thrilled to hear from her, "I wanted to let you know that I just landed a lab assistant position in an eDNA lab here on campus. I was one of 35 undergraduate candidates. I'm super excited to start! During my interview, I learned that the DNA extraction procedure we'll use is the same method we did on fruit in Young Women in Science. I'm excited to come back to the Berkshires to share new things."
Family STEAM Challenge Night

Over 100 families enjoyed a night of hands-on science and arts hosted by Flying Cloud at Hancock Shaker Village in partnership with Berkshire STEM Pipeline.

Thank you to volunteers from:
Berkshire Community College, Berkshire Museum, Berkshire Innovation Center, Berkshire Sterile, Berkshire Arts Council, Bottomless Bricks, Crane Currency and Museum, Hancock Shaker Museum, General Dynamics Mission Systems

Free Community Events:

• Activity tables at Farmers’ Markets in Great Barrington and Pittsfield, 3rd Thursdays, Festival Latino, and Pittsfield’s Halloween Festival
• Alumni Night hosted by Scotty Salame and Lindsey Brown (Berkowitz)
• Space Module Design Challenge at Mason Library as part of Art Week
• Brain Workshop series at BCC sponsored by the Berkshire Regional Planning Commission
• STEM Café for 50 college students at BCC
• Young at Heart monthly series at Dewey Hall

Erin Laundry of Bottomless Bricks building Lego catapults at STEAM Challenge Night

Berkshire Museum teaching physics with a mini zipline at STEAM Challenge Night

Alumni Night at the Firefly with Maria Rundle, Lili Atanacio Lindsey Brown (Berkowitz), Scotty Salame, Jane and Larry Burke

FCI at Great Barrington Festival Latino

Designing space modules at Mason Library
S•M•A•R•T
WHERE SCIENCE MEETS ART

S•M•Art Ways YOU can help!

- Become a business sponsor, receive public recognition, and build a STEM pipeline.

- A gift from your IRA. If you are 72.5 years old or older, talk with your financial advisor about how to take advantage of tax benefits with your donation.

- Now accepting Cryptocurrency! Crypto donors typically deduct their full donation amount and avoid capital gains tax.

- A monthly recurring gift is one of the best ways YOU can give! Setting up a monthly donation that fits your budget and provides sustainable funding for dynamic science and art throughout the year is easy.

- Could you include a gift in your will to empower future generations of young scientists and artists?

Questions? Contact Amy Truax at atruax@flyingcloudinstitute.org.

INSPIRE YOUNG PEOPLE & IGNITE CREATIVITY

Optimize your generosity for greater impact.
Ensure access to science and art, regardless of a family’s ability to pay.
Only vacation camps are fee-based. All other programs are available for FREE.

“We’ve been a Flying Cloud family for over ten years! We love the combination of art and science and how inspirational it has been for our entire family. We truly believe it is one of the BEST organizations in Massachusetts.”
-Daniel Medwed & Sharissa Jones
WE CELEBRATE YOU FOR MAKING A DIFFERENCE!

Grants, Foundations, Businesses & Government Agencies

Adirondack Payroll Services
Alford-Egremont Cultural Council
Amazon Smile
American Online Giving Foundation
Arcadian Shop
Beacon Cinema
Berkshire Bank Foundation
Berkshire Taconic Community Foundation
Berkshire United Way
Big Elm Brewery
Blue Cross Blue Shield
Burrito Grande, Inc. DBA Hot Harry’s
Celanese Foundation
Commonwealth of Mass
Crane Fund For Widows And Children
Domaney’s Liquors and Fine Wines
Echo Street Foundation
Edith MacGuire Charitable Trust
EDM Services, Inc.
Edward L. Mann Scholarship Fund
Farmington River Initiative for Regional Excellence
Feigenbaum Foundation
Fidelity Charitable Donor-Advised Fund
FreeWill Impact Fund
Goodnow Fund
Great Barrington Cultural Council
Greylock Federal Credit Union
Guido’s Fresh Marketplace
Jewish Communal Fund
Josephine and Louise Crane Foundation
Lee Bank Foundation
Lee Cultural Council
Lennox Foundation
LLL Foundation
Mass Cultural Council
Massachusetts After School Partnership
MassHire Berkshire Workforce Board
Matrushka Toys and Gifts
Mertz Gilmore Foundation
Monterey Cultural Council
New Marlborough Cultural Council
Pfizer
Pittsfield Cultural Council
Price Chopper
Renaissance Charitable Foundation
SABIC
Schwab Charitable
Sheffield Cultural Council
Sweet Dreams
Taft Farm
The Boston Foundation
The Eagle and Janet’s Funds of BTCF
The Gifted Child
The Velmans Foundation Inc
The Viniar Family Foundation
Tomich Landscape Design
Tyringham Cultural Council
Viniar Family Foundation
Ward’s Nursery & Garden Center
West Stockbridge Cultural Council
Windy Hill Farm
Women’s Fund of Western MA
Zonta Club of Berkshire County

Businesses Sponsors - building a STEAM Pipeline

Berkshire Sterile Manufacturing
Blue Q
Firefly Gastropub
Guardian Life Insurance
Company of America
Hogan Technology
Interprint, Inc.
Snapdragon Chemistry
The Bookloft
Warrior Trading
Webster Landscapes
Yarmosky Pediatric Dentistry

Berkshire United Way and General Dynamics supporting FCI’s youth mentors
Thank you!

Jennifer and Eric Aronson
Carmen and Joseph Baker
Lucy Harms
James Beck
Stephanie Bergman and Rob Hoechster
Caroline and Sean Bettinger-Lopez
Julie Bickford and Nathaniel Bossi
Sarah and Jeffrey Blaugrund
Stephanie Blumenthal and Benno Friedman
Stephanie Boszko and Stuart Berkowitz
Carrie Burke
Jane and Larry Burke
Kate Burns
Rebecca and Hanan Caine
Adrie and Callie Camillo
Susanne Carlotto
Janet Carmack
Maria Carr
Kathleen and Neil Chrisman
Jan Cimini
Sarah Cooke
Alice Cooper Lustig
Nancy Craigmyle
Susan Crofut and Ben Luxon
Emily and Mike DeBrucker
Lisi DeHaas and Sandra Contreras
Mary DeMaranville
Harry and Nora Elish
Cia Elkin and Larry Gadd
Lisa Federico and Michael Goodman
Kenzie and Shawn Fields
Catherine Fisher
Anne Fredericks
Allyson and Martin Gall
Deborah Gallant and Jon Lieber
Deborah Gangemi
Frank Garretson
Rebecca Gold
Edward Goodnow
Cathy Grady
Antonia and George Grumbach
Diego and Terri Gutierrez
Bobbie Hallig
Julie Hannum
William and Judy Hattendorf
Olivia Herman and David Nuzum
Adam Hill
Louise and Arthur Hillman
Amy Rudnick and Ben Hillman
Elizabeth Hobby & Kevin Rueger
Robert E. Hoogs
Kristin Ide and Ryan Guy
Cathy Ingram and Meriweather Clark-Connors

Pam Johnson
Tayo Kaufman
Heather and Jesse Kowalski
Anna Kraske and Joel Scotkin
Kristi LaMonica
Sandra and Vincent Lanning
Donald Lateiner
John B. Humphrey
Jewish Communal Fund
Gloria Levitas
Tamara Lovell and Jim Rundle
Kathleen Mack
Scott MacKenzie and Scottie Mills
Mary and Mark Makuc
Cynthia Makuc
Lindy Ann Marcel
Sara Mason
Steve McAlister
Michele McAuley
Margaret and Martyn McMahon
Daniel Medwed and Sharissa Jones
Mark and Chris Meunier
Pete and Betsy Meunier
Enid Michelman
Brian Mikesell and John Weinstein
Catherine and James Miller
George Milukas
Michael and Gayle Minnaugh
Danielle and Alex Mindlin
Susan Morris
Mary and Seth Nash
Caitlin and Mitchell Nash
Suzanne F. Nash
Dan Neilson and Sara Mugridge
Susan Newsom
Mary Ann and Bob Norris
Chris and Jean Nye
Anne O’Dwyer and Jim Frangione
Lesley Oransky
Elaine Padilla
Maria and Eugene Cleary
Kathleen Plungis
Sarah Pollock
Greg and Anupama Poole
Amy Ray
Tim Robinson and Paul Habig
Marion Rosenfeld and Thomas Jones
Laura Rosenthal
Amy Rudnick and Ben Hillman
Maria and Nathaniel Rundle
Susan Russell
Scott Salame
Tatiana and West Saunders
Rebecca and John Schreiber
Peter Schuyten
Leila Shakkour & Michael Thorne
Julie Shapiro and Allan Dean
Franceen Shaughnessy
Andrea Sholler
Barbara Sibley
Carole Siegel
E. Bonnie Silvers
Michele and Thomas Sirois
Lisa Sloane
Ben and Beth Smith
Theresa Graney
Kristen Sparhawk and Ryan Marchione
Abbe and Peter Steinglass
Karen Strassler and David Herbstman
Toni and Robert Strassler
Lee Ann Sullivan
Lynn Sutton
Robin Tost
Amy Truax
Kit Turner
Darcy Miro and Ross Tuttle
Edith Velmans
Barbara Viniar
Dana Vorisek and Tomer Ben-Gal
Julie Webster and Matt Downing
Mary Weinstein
Judy and Doug Weinstock
Suky and Tom Werman
Anne Wheelock
Dennis Sears and Rene Wood
Mary and Steve Yarmosky
Louise and Nat Yohalem
Anita Yuarte-Oelkers and C. Raymond Oelkers
Anonymous

Gifts in Honor of
Liliana Atanacio
Fred and Mara-Lee Bierman
Jane and Larry Burke
Robin Hoffberger
Cathy Ingram
Mark and Chris Meunier
Mary and Seth Nash
Laura Rosenthal
Maria and Nathaniel Rundle
Amy Truax
Barbara Viniar
George & Alice Wislocki
Would you like to expand access to science and art for children in the Berkshires?
Flying Cloud Institute is donor funded.
Scan to donate.