

WE ARE TEACHERS.
LEARNERS. INCLUSIVE.
TRANSFORMATIVE.
COMMUNITY-FOCUSED.
REFLECTIVE EDUCATORS.
LEARNER-CENTERED.
WE ARE POGIL.



THE POGIL PROJECT

A young man with dark hair, wearing a dark sweater over a collared shirt, is seated at a desk in a classroom. He is smiling and gesturing with his right hand, pointing upwards. He is looking towards the camera. In the background, other students are visible, some looking at papers. The overall scene is a classroom setting.

MISSION

THE MISSION OF THE POGIL PROJECT IS TO IMPROVE TEACHING AND LEARNING BY FOSTERING AN INCLUSIVE, TRANSFORMATIVE COMMUNITY OF REFLECTIVE EDUCATORS WHO DESIGN, IMPLEMENT, ASSESS, AND STUDY LEARNER-CENTERED ENVIRONMENTS.

VISION

WE ENVISION AN EDUCATIONAL SYSTEM THAT PREPARES EVERY LEARNER TO ENRICH THE WORLD BY THINKING CRITICALLY, SOLVING PROBLEMS, WORKING EFFECTIVELY WITH OTHERS, AND EXPERIENCING THE JOY OF DISCOVERY.

THE FOUNDATIONAL IDEAS FOR POGIL ARE THAT:

- Learners construct their own knowledge.
- Learners negotiate meaning actively through student-to-student discourse in self-managed teams within an instructor-facilitated environment.
- Effective learning in a team emerges from attending to cooperative learning principles and process skills development.
- Reflection and assessment enhance individual learning, team function, and teaching practice.

THE SHARED PRACTICES VALUED BY THE POGIL PROJECT COMMUNITY INCLUDE:

- Using inquiry-based learning materials that are structured following the explore/invent/apply learning-cycle model.
- Intentionally developing content knowledge and process skills simultaneously in the learning environment.
- Interacting and collaborating within and across educational levels and disciplines.
- Incorporating insights from educational research that have implications for classroom practice.
- Creating inclusive learning environments for students and instructors.
- Being personally invested in encouraging and supporting the professional development of colleagues.

THE POGIL COMMUNITY, PLANNING FOR OUR NEXT FIVE YEARS...

Thank you to everyone who participated in the community review of our strategic plan. With your help, our mission, vision, values, and goals are realigned and recharged to guide us through the next five years and bring us closer to our shared ideals. Your time was well spent—our plan doesn't gather dust on a shelf—we use it to direct all of our activities and decisions. But, it's you, the POGIL community, who helps bring the plan to life with your dedication, time, expertise, and creativity.





DEAR FRIENDS,

*Each fall, when I reflect on the past 12 months, I am convinced that this year has been the most inspiring, the most productive, the most transformative—the one that has brought us closer to our vision and goals. Each year, we have grown in new and unexpected ways by pushing the work a little further and asking more difficult questions. **And each year, I learn from you, my friends and colleagues in the POGIL community.***

This year is no exception.

From 2017-2018, as a community, we took a fresh look at our strategic plan, and mission, vision, and values statements. Our strategic plan had reached the five-year mark, and it was time to assess where we had been, and to reaffirm our direction by asking questions such as: How has education changed since we started? What has changed in our society? How can we have a greater impact?

The process resulted in revised mission and vision statements, a stronger statement of foundational values, and a series of thoughtful adjustments to our strategic plan goals and tactics. For me, the most gratifying part of the experience was taking the time, as a community, to reflect on our shared values as educators. We talked about why our work is so rewarding and necessary—our work with students in the classroom, within our institutions, and with our fellow educators. **We emerged with a renewed sense of purpose and an affirmation of the transformative work we’re doing as a community.**

I also want to thank Chris Bauer for leading our yearlong community process to review and revise the Strategic Plan. A longtime member of the POGIL community and current Steering Committee member, Chris devoted many hours to designing and facilitating a process that engaged the entire community.

Please take a few minutes to review the new mission, vision, and foundational values, along with the refreshed strategic plan. I hope you are as inspired as I am by our work as a community to create a future that continues to transform lives, both in and out of the classroom.

I am grateful to each of you for your passion, commitment, generosity, and for everything you do to support the work of The POGIL Project. We couldn’t do it without you, and we wouldn’t want it any other way!

Rick Moog

POGIL BY THE NUMBERS

SINCE 2012, TOGETHER, WE'VE PROVIDED

300+ *POGIL workshops*

WHICH HELPED

8700+ *educators bring POGIL to their classrooms*

AND REACHED

195,000+ *students with POGIL*

THROUGHOUT

11 *countries*



INTRODUCING OUR REFRESHED STRATEGIC PLAN GOALS

Transforming education means inspiring others to adopt POGIL and learner-centered education. To do this, our revised strategic plan goals have a renewed focus on intentional outreach to educators who may not have experienced the benefits of a POGIL classroom:

- 1 Grow and support the POGIL practitioner community by actively and intentionally reaching out to **new populations of STEM educators at all levels** (elementary through graduate school) by means of professional development events.
- 2 **Increase the availability of high-quality POGIL activities**, which incorporate a strong guided-inquiry structure and explicit development of process skills, embedded within a well-considered facilitation plan.
- 3 Increase the **diversity and inclusivity** of the POGIL community and the students it serves.
- 4 Gather and analyze **data to provide comprehensive assessment** of student learning and of POGIL learning environments.
- 5 Develop and implement plans for the **sustainability and growth** of The Project.

ONGOING STRATEGIC PLAN PROJECTS

- Implementing the POGIL Activity Clearinghouse (PAC) to provide a space and mechanism for POGIL activity authors to develop an activity, receive feedback and share or publish.
- Collecting and analyzing demographics data for our diversity and inclusion goals.
- Evaluating and updating POGIL workshop materials to better incorporate process skills into each activity, and to provide teachers with the tools they need to fully implement the POGIL pedagogy.

On improving teaching and learning...

When I saw how much students could learn on their own without me having to tell them something, it changed how I felt about what learning is and how learning happens... It was really amazing to see them interact and start to construct their own learning, instead of just repeating information that I gave them. —SAMANTHA RADFORD, ST. FRANCIS UNIVERSITY

NEW STRATEGIC PLAN INITIATIVES

ePOGIL: New web-based POGIL professional development experiences designed to expand access to POGIL trainings for both high school and college practitioners. Using a POGIL-friendly interactive online platform, ePOGIL programs explore a variety of topics for a full range of experience levels.

Local Networks: Development of POGIL local networks to build and support local communities of POGIL practitioners. Our first four networks are: Puget Sound area, led by Mare Sullivan; Los Angeles, led by Ashley Hill; Long Island/New York City, led by Stephanie O'Brien and Kristen Drury; and Chicago, led by Mary van Opstal. Get involved with a network near you!

Mini-POGIL Experience: A free one-hour workshop to introduce POGIL to pre-service teachers, teaching assistants, current K-12 and post-secondary teachers, centers of teaching and learning, and more. Mini-POGIL Experiences are led by POGIL-trained facilitators and other advanced practitioners such as PNM and NCAPP participants, 3-day workshop participants, and staff of centers for teaching and learning. Contact the POGIL National Office to learn more!

On reflective educators...

The community that I've found with POGIL has been incredibly supportive. Every time I come to a POGIL event, I learn something new. Support, validation, new ideas—it's really rejuvenating to be with this community.

— TERESA BIXBY,
LEWIS UNIVERSITY



COMING BACK IN 2019: NCAPP

We are excited to announce the second **National Conference for Advanced POGIL Practitioners (NCAPP)**. After a successful inaugural NCAPP conference in 2017, attendees said we had to keep offering this rewarding community learning experience, designed by and for advanced POGIL practitioners. NCAPP creates a unique and vibrant environment for advanced practitioners to connect with peers, gain insights into effective teaching and facilitation, share and find new activities and approaches for the classroom and lab, and develop collaborations over shared interests. We hope you will join us for NCAPP 2019!

NCAPP 2019

**BUILDING
BRIDGES
BREAKING
BARRIERS**

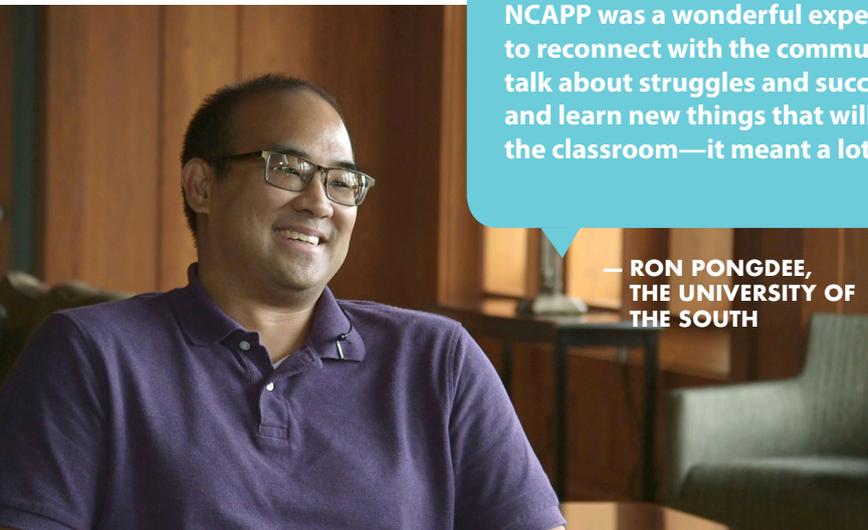


JUNE 24-26, 2019

**Washington University in St. Louis
St. Louis, MO**

NCAPP was a wonderful experience...
to reconnect with the community, to
talk about struggles and successes,
and learn new things that will help in
the classroom—it meant a lot.

— **RON PONGDEE,
THE UNIVERSITY OF
THE SOUTH**





2017 SPUR+ GRANT AWARDS

THE POGIL SPUR+ GRANT PROGRAM PROVIDES SMALL SEED GRANTS OF UP TO \$2500 TO SPUR COLLABORATION AMONG POGIL COMMUNITY MEMBERS AND PROMOTE NEW IDEAS THAT FURTHER OUR STRATEGIC PLAN.

SELECTED BY THE POGIL PROJECT'S STEERING COMMITTEE FROM MANY WORTHY PROPOSALS, THE 2017 PROJECTS EXEMPLIFY THE GOALS OF THE SPUR+ GRANT PROGRAM: COLLABORATION, STRATEGIC ALIGNMENT, INNOVATION, AND LASTING IMPACT.



1 *Middle School Earth & Space Science Activities* and *Middle School Life Science Activities*, led by **LORI STANTON**, Master Teacher with experience as a high school and middle school science teacher; and **AMY STEELE** and **KIM GILREATH**, both middle school science teachers at Cornerstone Christian Academy. After many months of writing and testing the activities developed as part of this SPUR+ project, the team submitted the collection to The POGIL Project's endorsement process, receiving final approval in the spring.

2 *Environmental Science Activity Cultivation (ESAC)*, led by **CARYL FISH**, Professor of Interdisciplinary Science and Environmental Chemistry at Saint Vincent College; **DANIEL KING**, Associate Professor of Environmental Chemistry at Drexel University; and **KATHERINE AUBRECHT**, Associate Professor of Environmental Chemistry at Stony Brook University. After two productive meetings during the spring and summer, the team is making great progress. *Stay tuned for updates!*

NEW POGIL PUBLICATIONS IN THE WORKS

Recently Endorsed

- *Middle School Earth & Space Science Activities* and *Middle School Life Science Activities*, two new collections by **LORI STANTON, AMY STEELE, KIM GILREATH, and MARE SULLIVAN**, on schedule to be published by Flinn Scientific in 2019.

In the Pipeline

We're excited about the many new and revised POGIL activity collections in various stages of the activity development and endorsement process, including the following topics: precalculus, human anatomy and physiology, mathematical reasoning, AP environmental science, biochemistry, chemistry experiments for the laboratory, inorganic chemistry, and an introduction to physical science for middle school.

New and Upcoming Books from POGIL Community Members:

- *Engaging Students in Physical Chemistry*, co-edited by **CRAIG TEAGUE** of Cornell College and **DAVID GARDNER** of Lander University, published by the American Chemical Society Symposium Series.
- *POGIL: An Introduction to Process Oriented Guided Inquiry Learning for Those Who Wish to Empower Learners*, edited by **SHAWN SIMONSON** of Boise State University, published by Stylus Publishing. *Coming March 2019!*



2018 POGIL PEACH AWARDS

Congratulations to our 2018 POGIL PEACH honorees!

The POGIL Early Achievement Award, or PEACH, recognizes significant and enthusiastic contributions of secondary and post-secondary practitioners early in their involvement with The POGIL Project.

KRISTIN PLESSEL

University of Wisconsin-Whitewater at Rock County

MICHAEL BRUNO

North Carolina School of Science and Mathematics, Durham, NC

In high school, my chemistry class was all lecture, delivered by video, and I didn't feel that I understood it very well. In college, everything about the POGIL class was different, and I started to understand the concepts. And in my group, if someone got a different answer than I did, I could ask them to explain it. Before I left class every day, I knew what I had just learned.

— **AHNYIA SANDERS**, STUDENT, FRANKLIN & MARSHALL COLLEGE



THE AWARDS AND HONORS KEEP COMING FOR POGIL PRACTITIONERS. CONGRATULATIONS, EVERYONE!

KRISTEN DRURY, AP and Regents Chemistry Teacher, William Floyd High School in Mastic Beach, NY, honored as the *High School Chemistry Teacher of the Year* by the American Association of Chemistry Teachers (AACT).

MEGAN HOFFMAN, Professor of Biology and Chair of the Biology Department, Berea College, honored with the school's *Seabury Award for Excellence in Teaching*, the college's highest award for faculty.

CLIF KUSSMAUL, Associate Professor of Computer Science, Muhlenberg College, honored with the *2018 National Center for Women & Information Technology Excellence Award*, to recognize authors of the best materials submitted to the EngageCSEdu collection in the past year.

SIOBHAN JULIAN, AP and Regents Chemistry Teacher, Webster Central School District, Webster, NY, was awarded the *2018 Science Teachers Association of New York State (STANYS) Excellence in Teaching Award*.

ANDREA MARTIN, Associate Professor and Chair of the Chemistry Department, Widener University, honored with the *College of Arts and Sciences Faculty Award for Excellence in Teaching*.

TRACEY ARNOLD MURRAY, Associate Professor and Chair, Chemistry and Biochemistry, Capital University, received the institution's *Praestantia Award for Outstanding Teaching*, the college's highest honor for faculty.

BRUCE WELLMAN, Chemistry, Engineering and Robotics Teacher, Olathe Northwest High School, Olathe, KS, was selected as an *inaugural member of the STEM Education Advisory Panel*, overseen by the National Science Foundation (NSF) in consultation with the United States Department of Education, NASA, and the National Oceanic and Atmospheric Administration (NOAA).

AMERICAN CHEMICAL SOCIETY FELLOWS FROM THE POGIL PROJECT COMMUNITY

CARMEN GAUTHIER, Professor of Chemistry and Department Chair, Florida Southern College

BARBARA R. HILLERY, Dean, School of Arts and Sciences, State University of New York, Old Westbury

DONOR IMPACT

THANKS TO YOUR SUPPORT, THE POGIL PROJECT WAS ABLE TO PROVIDE:

39

teacher scholarships to POGIL Workshops and meetings: \$27,757

4

workshop subsidies to schools: \$4,000

2

SPUR+ grants \$5,000

Funding for new POGIL activities and tools: \$5,000

THANK YOU TO THE POGIL COMMUNITY FOR A GREAT YEAR!

We are deeply grateful to each and every one of you, our POGIL community members who gave so generously last year, and who continue to make a profound difference in the lives of thousands of teachers and students each year through your support.

We'd also like to send a special shout-out to our 100 Sustaining Partners, who have made a gift for three or more consecutive years or have joined our monthly giving program. Your ongoing support helps keep the workshops, scholarships, and materials coming, AND helps keep the lights on!

All year long, you give of your time, your treasure, and your hearts. To all of you who give so much, you are truly our heroes and we thank you from the bottom of *our* hearts.

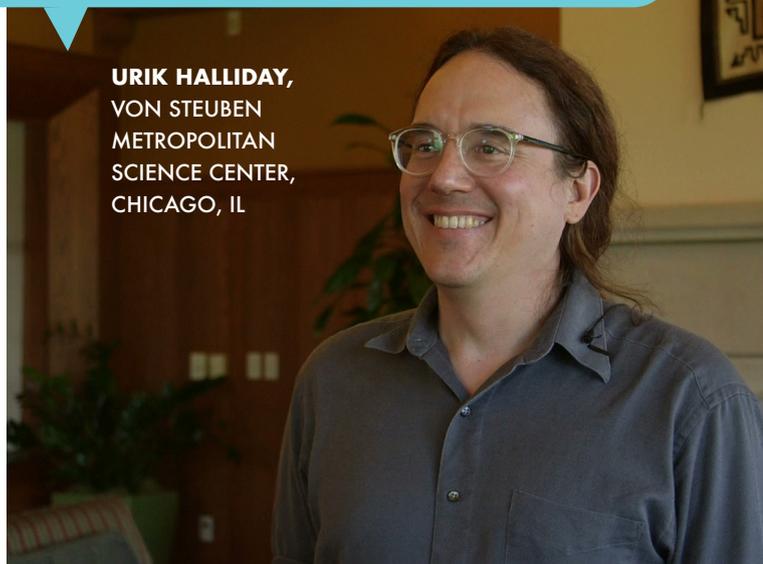
JOIN US FOR POGIL PLEDGE WEEK

OCTOBER 15-19, 2018!

On donating time and treasure to The POGIL Project...

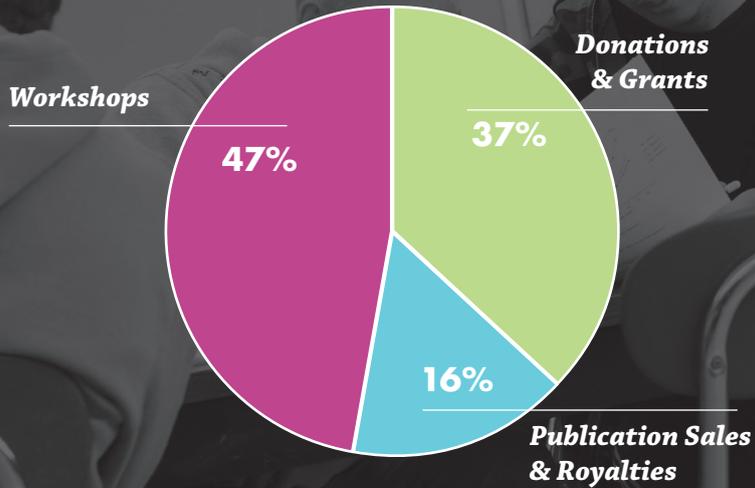
I can teach my classroom of students, but if I can help other instructors learn to improve their practice, I'm indirectly helping their students learn material and become better students. I think it's a valuable use of my time, and the treasure I have donated goes to a good cause—it's well thought out how the money is used.

URIK HALLIDAY,
VON STEUBEN
METROPOLITAN
SCIENCE CENTER,
CHICAGO, IL

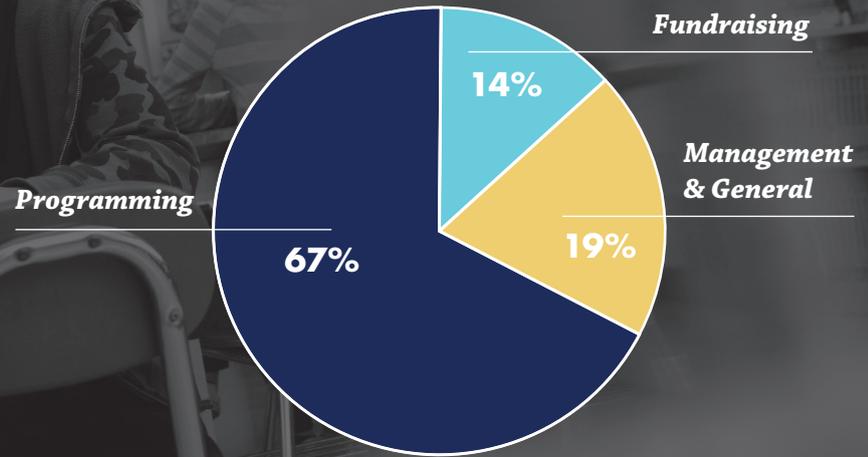


FINANCIAL OVERVIEW

2017 REVENUE SOURCES



2017 EXPENSES AS % OF BUDGET



THANK YOU TO OUR GENEROUS DONORS!

DONORS

Karen Anderson*
Susan Arenberg*
Audrey S. Armoudlian
Rodney Austin*
Sheila Barbach*
Mary Bartholomew*
Alison Barton*
Rebecca Bathke
Christopher F. Bauer
Elisabeth Bell-Loncella*
Teresa Bixby
Julie Boldizar*
Andrew R. and Jennifer
Bressette*
Betsy and Michael Brooks*
Donnell J. Butler
Kelly Butler*
Patricia Butler
Paula W. and Andrew Butler*
Jeff Callies
Kenneth Nolon Carter, Jr.
Sharon Cates*
Joe and Shelley Chambers*
Sandra J. Climenhaga
Renee & Greg Cole*
Breege Concannon
Colleen Conway*
Patricia Cook*
Charlene D. Crawley
Frank J. and Barbara Creegan*
Lara Dailey

Bettie A. Davis and Matt Fisher
Jim DiNapoli
Michael DiNardo
Marcy Dubroff and
Steve Ulrich*
Stephen Dunham
Crystal Dykes
Joyce and Loran Easter*
Megan Daschbach
Mark Ediger*
Gary Edvenson*
Lisa and Wade Ellis
Arnold Feldman
Ruth and Jon Ferguson*
Caryl Fish*
Regina Frey*
Brian Gilbert*
Ruby M. Golnick
Steven J. Gravelle*
Thomas J. Greenbowe
Elnore Grow
Alex Grushow*
John Hagen
Urik Halliday*
Ellen Harpel
Timothy A. Herzog*
Bruce Jay Heyen*
Carol Higginbotham
Thomas Higgins*
Ashley Hill
Ronald Hills

Donald Hirsh*
Gregory Hislop*
Linda Hobart*
Megan Hoffman*
Laura Hollabaugh
Tina Holland*
Tom Holme*
Tom Horsley*
Sally and Michael Hunnicutt*
Carrie Bell Jacobus
Elizabeth Jensen*
Murray Jensen*
Katherine Victoria Johnson
Kaufman Broadcast Services*
Joseph Keane*
Hae-Won Kim
Daniel King*
Sandhya Kode
Anne Kondo
Clif Kussmaul*
Juliette Lantz and John Carroll*
An-Phong Le
Jeremy Lessmann
Alan Levine*
Susanne Lewis
Carol Baker Libby*
R. Daniel Libby*
Sue and Gary Loertscher,
in honor of
Jenny Loertscher
Roger Loring*

Lynette Luke*
Ashley Mahoney
Elizabeth Mancini*
Larry Margerum
Andrea E. Martin*
Kermin J. Martinez-Hernandez
Jennie K. Mayer
Christopher Mayfield*
Craig and Leslie McClure*
Barbara Melby
Britton Miller*
Carol Mishler
Alex Moog
Alva and Jean Moog*
Rick Moog and Pat Martin*
Elizabeth Morton
Andrew Mundt
Barbara Murray*
Tracey Arnold Murray*
Stephanie O'Brien
Dennis O'Shea*
David W. Parkin*
Laura E. Parmentier
Jim Penner-Hahn
Marty Perry*
Laura Philips and John A.
Elliott*
Sarah-Jane Pillsbury*
Tammy Pirmann
Kristin Plessel*
Ron Pongdee*

Jeff Pribyl*
Sally Quast Sliker
Sheila Qureshi*
Sarah Rathmell
Erin Ratz
Richard & Elaine Ressel*
Suzanne Ruder*
Lisa Russell-Mina*
Carl and Joy Gail Salter*
Donna W. Salter
Candace Schneggenburger
Jamie L. Schneider*
Andy Schultz*
Carolyn Shadle*
Susan E. Shadle*
Alan Shusterman
Shawn Simonson
Stuart Slavin
Andri Smith
Suzanne and Robert Smith, Jr.,
in honor of Jenny Loertscher
Aaron Spangler*
Donald Spangler and
Arleen Shulman*
Teresa Speakman*
Kathy and Jim Spencer*
David Stameshkin*
Jeremy Steinbacher
Mare and Joe Sullivan*
Susan Sutheimer
Craig Teague*

Bonnie Tessler
Vicky Minderhout Thorsell*
Ray Torralba*
Laura Trout*
Kristi Deaver Uselding
Scott Van Bramer
Emanuel Waddell*
Catherine Wallace, in memory
of Dr. William Wallace
Gail H. Webster*
Bonnie Wehausen
Hal White*
Lilia White
Pam Whiting*
Robert Whitnell and
Anne Glenn*
Cindy and Troy Wingenroth*
Bradley Wright
Robin Wright*
Ellen Zezierski*
Meg Young
Zelda Ziegler*

*POGIL Sustaining Partners

POGIL DONORS

174 *Donors*

\$57,114 *Raised*

100 *Sustaining
Partners*



**WAYS TO
GIVE**

***Your support, no matter
the amount, is vital so
that we can continue
to have an impact on
thousands of teachers and
students every year.***

THANK YOU!

ONLINE AT WWW.POGIL.ORG/DONATE:

- One-time gift
- Monthly gift: Become a POGIL Sustaining Partner by joining our monthly giving program

BY MAIL:

- Please send your check to: The POGIL Project,
P.O. Box 3003, Lancaster, PA, 17604-3003

DONOR-ADVISED FUNDS:

- Recommend a gift to The POGIL Project through your Donor-Advised Fund, mailed to the address above; EIN# 27-3451654.

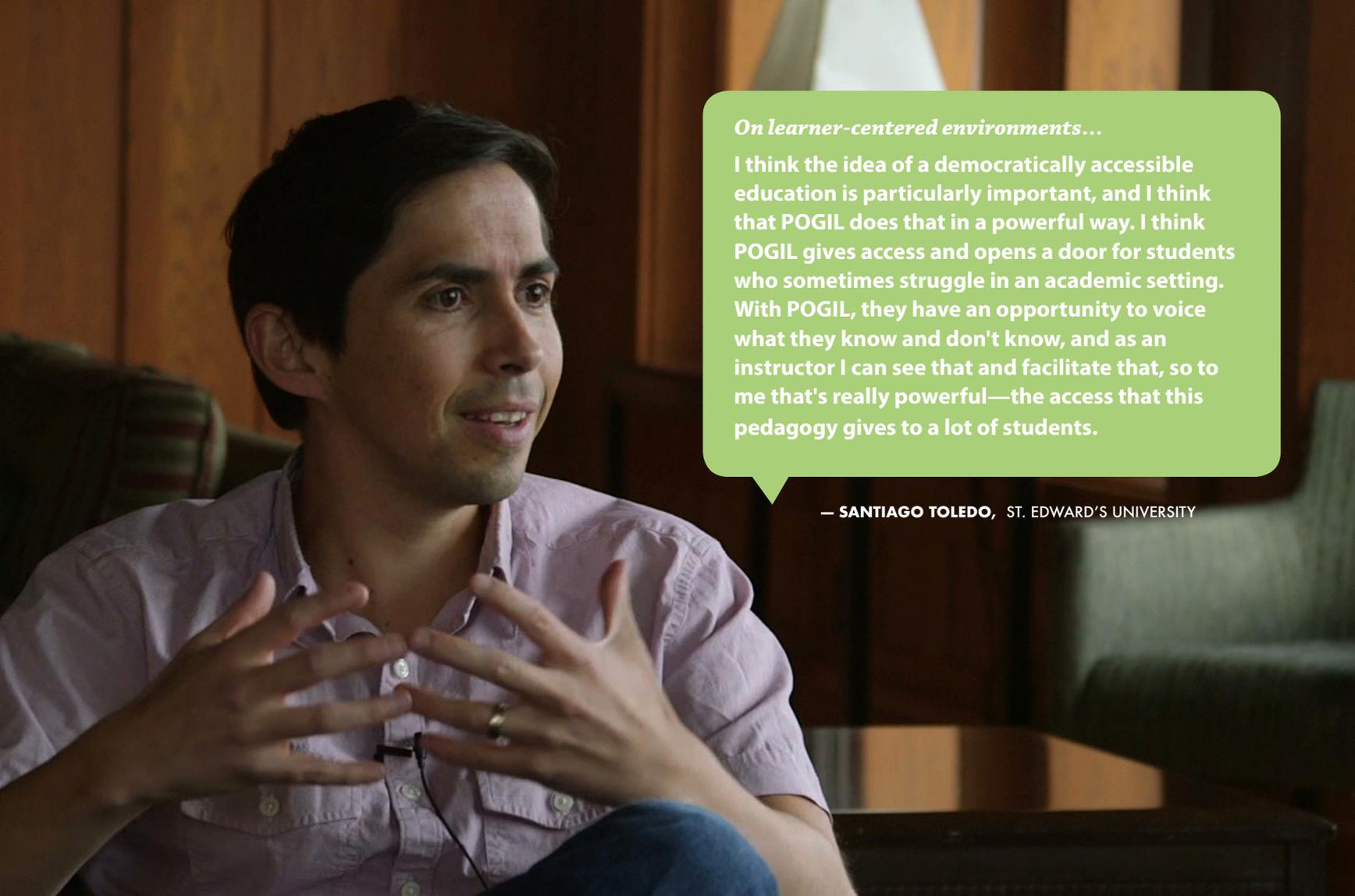
PUBLICLY TRADED SECURITIES:

- Please call our Development Office at 717-358-4702 for more information.

MATCHING GIFTS:

- If your company or organization participates in matching gifts and you would like to make a contribution, please call us at 717-358-4702.

The official registration and financial information of The POGIL Project may be obtained from the Pennsylvania Department of State by calling toll free, within Pennsylvania, 1 (800) 732-0999. Registration does not imply endorsement. The POGIL Project is a 501(c)(3) nonprofit organization.



On learner-centered environments...

I think the idea of a democratically accessible education is particularly important, and I think that POGIL does that in a powerful way. I think POGIL gives access and opens a door for students who sometimes struggle in an academic setting. With POGIL, they have an opportunity to voice what they know and don't know, and as an instructor I can see that and facilitate that, so to me that's really powerful—the access that this pedagogy gives to a lot of students.

— SANTIAGO TOLEDO, ST. EDWARD'S UNIVERSITY

BOARD OF DIRECTORS

ANDREW R. BRESSETTE, Associate Professor of Chemistry and Vice President for Enrollment Management (Berry College)

PATRICIA M. COOK (Ex-Officio/Board Treasurer), C.P.A. (Cook's Accounting Solutions)

MARCY DUBROFF (Ex-Officio/Board Secretary), Associate Director (The POGIL Project)

RICHARD S. MOOG (Chair), Executive Director of The POGIL Project and Professor of Chemistry (Franklin & Marshall College)

LISA RUSSELL-MINA, Director of Major Gifts (Society for Science & the Public, Washington, D.C.)

MARTY PERRY (Ex-Officio/Steering Committee Chair), Associate Professor of Chemistry (St. Louis College of Pharmacy)

LAURA A. PHILLIPS, co-founder, President and Chief Executive Officer (Spheryx, Inc., New York, NY)

ANDREW SCHULTZ, Executive Director (Congregation Sukkat Shalom, Wilmette, IL)

2018-19 STEERING COMMITTEE

CHRISTOPHER F. BAUER, Professor of Chemistry (University of New Hampshire)

CARYL FISH, Professor and Chair of the Interdisciplinary Science Department (Saint Vincent College)

URIK HALLIDAY, AP Chemistry Teacher (Von Steuben Metropolitan Science Center, Chicago, IL)

ASHLEY MAHONEY, Professor of Chemistry (Bethel University)

MARTY PERRY (Chair), Associate Professor of Chemistry (St. Louis College of Pharmacy)

KRISTIN PLESSEL, Associate Professor of Chemistry (University of Wisconsin-Whitewater at Rock County)

SUZANNE M. RUDER, Professor of Chemistry (Virginia Commonwealth University)

SHAWN R. SIMONSON, Director, Human Performance Laboratory; Professor, Department of Kinesiology; Faculty Associate, Center for Teaching and Learning (Boise State University)

LAURA TROUT, Dean of Curriculum (Lancaster Country Day School, Lancaster, PA)



P.O. BOX 3003
LANCASTER, PA 17604-3003
WWW.POGIL.ORG

*On The POGIL Project's
transformative community...*

**Everyone works with integrity,
with kindness, and shows a true
and honest mission in what they do.**

— BRANDON FETTERLY,
UNIVERSITY OF WISCONSIN-RICHMOND

POGIL
indecia

2017-2018

58 *Workshops*

1500+ *Teachers
Trained*

