



2020

# Community Report



**Being able to network as a  
community strengthens all of us  
and grows the work we do.**

Gail Webster,  
Guilford College, Guilford, NC

**Thank You  
to the POGIL community!**

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

# Extraordinary community for extraordinary times.

Dear Friends,

## **This year did not deter us.**

As a community that cares so deeply about our work as educators, and about each other, we got to work.

In the first few weeks following the lockdown due to COVID-19, the POGIL community volunteered to create and facilitate eight free webinars on how to use POGIL online. We shared articles, tips, and other resources with our fellow educators, even in the midst of our own concerns.

When we realized we would have to move the POGIL National Meeting online, the POGIL community rallied again to create a warm and productive experience. Collectively, our community volunteered more than 1,000 hours at the PNM toward making significant progress on our strategic plan, and in piloting online alternatives to our traditional 3-day summer workshops.

And, thanks to the valuable feedback from the PNM and the tremendous efforts of our POGIL facilitators and National Office staff, we were able to successfully transition our in-person summer workshops into highly interactive and rewarding virtual learning experiences for nearly 230 educators.

The most important work that came out of the PNM was an even greater focus on addressing issues of equity and inclusion. We are committed to doing the work necessary to ensure that The POGIL Project addresses any injustices in its own structure, mission, and engagement with the POGIL community. We want you to let us know how we're doing as the year progresses. And we want you to give us honest feedback.

As the pandemic continues into the fall, we want you to know that we at The POGIL Project are here to support you in whatever ways we can. Let us know how you're doing. Let us know what you need. And more than anything else, take care of yourselves and each other. We'll get through this, together.

Thank you for everything you do to support and participate in The POGIL Project and our extraordinary community. We couldn't do it without you.

With gratitude,



Rick Moog, Executive Director of The POGIL Project



***We are committed to doing the work necessary to ensure that The POGIL Project addresses any injustices in its own structure, mission, and engagement with the POGIL community.***

**We got to work...**



**...when overnight, classrooms became a grid of faces on a computer screen, our community stepped up to support each other.**

Within just a few weeks, POGIL practitioners and friends worked together to build a comprehensive collection of resources to help educators move their POGIL classrooms online. Thank you, everyone!

- ★ 8 free webinars offered
- ★ 2,500+ educators registered
- ★ 75+ hours volunteered by facilitators
- ★ 5,500+ visits to the online resources webpage (4/1/20-9/1/20)

For links to the webinar recordings and additional resources for online POGIL, visit:  
**[pogil.org/teaching-online-during-the-covid-19-crisis](https://pogil.org/teaching-online-during-the-covid-19-crisis)**

**...when campuses closed this summer, our community stepped up again to help transform our in-person events into rich and rewarding virtual experiences.**

In addition to the POGIL National Meeting, our virtual summer offerings included six sessions of Fundamentals of POGIL, two sessions of Activity Writing, and a weeklong Writers' Retreat.

- ★ 233 educators attended
- ★ 19 facilitators presented
- ★ 6 POGIL tech hosts managed Zoom

**A special thank you to Laura Trout, to the summer workshop facilitators, and to our entire POGIL National Office team for taking our motto to new levels:**

***"They are all really, really, really great and work really, really, really hard."*** — Rick Moog

# Our Strategic Plan: Two Years In...

## STRATEGIC PLAN 2018-2023

GOAL

01

COMMUNITY

**Grow and support the POGIL practitioner community by actively and intentionally reaching out to new populations of STEM educators at all levels by means of professional development events.**

### 2018-20 ACCOMPLISHMENTS:

- **POGIL eSeries and Webinars**—Introduced POGIL web-based workshops and presentations offered throughout the school year.
- **Mini-POGIL Experience**—Developed a free one-hour workshop designed to introduce POGIL to new audiences.
- **Workshop Videos**—Created exemplar videos illustrating student roles and process skills.
- **Published the new *POGIL Implementation Guide: Getting Started*.**
- **Updated the 3-Day Workshop Facilitation Track and Facilitator's Toolbox.**
- **2020 Summer Workshops**—Developed virtual offerings for the Fundamentals of POGIL, Activity Writing, and the Writers' Retreat, creating more affordable and accessible options that reached new audiences.

### 2020-21 PRIORITY PROJECTS:

- **Networks**—Continue to build POGIL community through the new practitioner Facebook group, launch online affinity groups, and further develop leadership and tools to support and strengthen virtual and in-person networking events.
- **Facilitator Videos**—Develop exemplar videos to accompany the *POGIL Implementation Guide: Getting Started*.

GOAL

02

ACTIVITIES

**Increase the availability of high-quality POGIL activities that incorporate a strong guided-inquiry structure and explicit development of process skills, embedded within a well-considered facilitation plan.**

### 2018-20 ACCOMPLISHMENTS:

- **POGIL Activity Clearinghouse (PAC)**—The purpose of the PAC is to facilitate the collaboration, peer review, and classroom testing stages required to create high-quality materials meeting the standards approved by The POGIL Project.
  - ▶ **Electronic platform completed**, processes designed and tested. Ready for author participation.
- **POGIL Activities Development**—Added three new middle school collections to the POGIL library of materials.

### 2020-21 PRIORITY PROJECTS:

- **PAC— Launched!** Increase participation in PAC to support development of new authors and POGIL activities across the spectrum of levels and disciplines.
- **High School Activities Revisions (Flinn Biology and Chemistry)**—Assess for alignment with College Board and the Next Generation Science Standards (NGSS), process skills, and language leveling.
- **POGIL Activities Development**—Release up to seven new or updated STEM collections for middle school and college.

## 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.

### GOAL 03

## DIVERSITY

### Increase the diversity and inclusivity of the POGIL community and the students it serves.

#### 2018-20 ACCOMPLISHMENTS:

- Developed a *Guiding Principles for Diversity, Equity, and Inclusion in The POGIL Project* document.
- Began measuring demographics data to assess our progress on diversity and inclusion goals.
- Received NSF grant to support NCAPP scholarships for post-secondary educators from groups underrepresented in STEM.

#### 2020-21 PRIORITY PROJECTS:

- Develop tools/strategies for applying the new *Guiding Principles for Diversity, Equity, and Inclusion* in all of our work, including POGIL materials.
- Target recruitment of faculty communities underrepresented in STEM.
- Expand mentorship and leadership opportunities for new practitioners.
- Continue to gather data to measure progress.

### GOAL 04

## ASSESSMENT

### Gather and analyze data to provide comprehensive assessment of student learning and of POGIL learning environments.

#### 2018-20 ACCOMPLISHMENTS:

- Classroom Observation Protocol (OPTIC)— OPTIC tool and materials completed and app in development. OPTIC is an observation tool for use in a POGIL classroom that gives the instructor a way to capture typical instructor and student behaviors and interactions as a way of reflecting on teacher effectiveness.
- Research Agenda Development—NSF grant awarded for pilot project to develop education research skills in post-secondary STEM faculty.

#### 2020-21 PRIORITY PROJECTS:

- Develop research projects related to the impact of POGIL in high school science and post-secondary calculus or pre-calculus courses.
- OPTIC—Complete app and training video, and release.



### GOAL 05

## SUSTAINABILITY

### Develop and implement plans for the sustainability and growth of The Project.

#### 2018-20 ACCOMPLISHMENTS:

- Established the Jim and Kathy Spencer Fund to Advance POGIL Practice.
- Increased opportunities for members of the POGIL Community to assume leadership roles and participation in Project activities. These include the newly established Summer Coordination Team and the NCAPP Planning Committee.

#### 2020-21 PRIORITY PROJECTS:

- Strategic Collaborations—Develop collaborations and partnerships with like-minded organizations to expand The POGIL Project's reach.
- The POGIL Podcast—Launch first season of podcasts featuring conversations with innovative educators who are transforming teaching and learning.
- Study potential business models to enable The POGIL Project to respond to changes in the educational landscape.

# Transforming Education & Educators...

$$\left(\frac{\partial S}{\partial T}\right)_V = \frac{C_V}{T}$$
$$\left(\frac{\partial S}{\partial V}\right)_T = \frac{R}{V}$$

POGIL WORKSHOPS: FISCAL YEAR 2019

48

WORKSHOPS

1250

TEACHERS TRAINED



**NCAPP  
2021**

TRANSFORMING  
EDUCATION &  
EDUCATORS



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**If you've been to a POGIL  
workshop and you've used  
POGIL in your classroom,  
NCAPP 2021 is for you!**

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While the acronym is the same, we've changed the name to better reflect the event's purpose. NCAPP is now the National Conference to Advance POGIL Practice. Even if you are relatively new to POGIL, we want you to know that NCAPP 2021 is the perfect conference to:

- ★ further develop skills as a practitioner,
- ★ connect with practitioners from a variety of disciplines and experiences, and
- ★ broaden your participation in the POGIL community.

With the sustained support of our community, we can transform classrooms, learning, and ourselves. We want you to be part of our transformational experience and encourage applications from across all disciplines and instructional levels. NCAPP is tentatively planned for June 28-30, 2021.

A huge thank you to the NCAPP planning committee for its hard work: Co-chairs **Gail Webster** and **Chris Mayfield**, and members **Julie Boldizar**, **Marcy Dubroff**, **Joyce Easter**, **Kristi Deaver**, **Ashley Hill**, **An-Phong Le**, **Beff Mancini**, **Britton Miller**, **Chris Oehrlein**, **Wayne Pearson**, **Marty Perry**, **Kristin Plessel**, and **Shannon Wachowski**.

**For more information, visit [pogil.org/ncapp](http://pogil.org/ncapp)**



## **Announcing the Jim and Kathy Spencer Fund to Advance POGIL Practice**

Established by Kathy and Jim Spencer to honor their lifetime commitment to education, this endowment fund will provide scholarships for teachers to attend NCAPP in the years to come. It is fitting that the theme for the next NCAPP is "Transforming Education and Educators," which so beautifully reflects the significant impact that Kathy and Jim have had, and continue to have, on teaching and learning. Learn more at [pogil.org/donate/spencer-fund](http://pogil.org/donate/spencer-fund). Thank you to the Spencers for making this fund possible!

## 2020 POGIL Peach Awards

**Congratulations to our 2020 POGIL PEACH honorees!**  
**The POGIL PEACH recognizes significant and enthusiastic contributions to The POGIL Project by new secondary and post-secondary practitioners.**

**Stephanie O'Brien**

Commack High School, New York

**Heather Wilson-Ashworth**

Utah Valley University, Utah



**COMING  
THIS FALL**



**Announcing Season One of The POGIL Podcast**, a new conversation from The POGIL Project that celebrates innovative educators, both in and out of the classroom. Hear what inspired them to become teachers, and how the practice of student-centered education transformed their classrooms and improved outcomes for their students. Learn how they're innovating outside of the classroom as well!

Many thanks to **Alex Grushow** and **Wayne Pearson** for being our guest hosts, to all of our first season interviewees, and to POGIL staff members **Matt Tarka** and **Kathy Clark** for making it all happen.

*Join us as we "think out loud" with POGIL educators, researchers, and others working to transform teaching and learning for the 21st century.*



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**The POGIL SPUR+ grant program provides small seed grants of up to \$2,500 to *spur* collaboration between POGIL community members and promote new ideas that further our strategic plan. Congratulations to our 2019 awardees for their projects!**

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**POGIL for Psychology**, developed by **Jill Rinzel**, Associate Professor of Psychology, University of Wisconsin-Milwaukee at Waukesha, and **Jessi Hill**, Associate Professor of Psychology, Utah Valley University. Jill and Jessi are interested in expanding POGIL to the psychological sciences and will be creating activities for introductory psychology courses. In the future, they hope to build beyond introductory psychology into cognitive psychology.

**ExPo-POGIL: Exploring Polymers in the Undergraduate Chemistry Curriculum Through POGIL Laboratory Experiences**, developed by **Andrea Van Duzor**, Professor of Chemical Education, Chicago State University; **Kristy Mardis**, Professor of Computational Physical Chemistry, Chicago State University; and **Mary Twist van Opstal**, Chemistry Instructor/Chemistry Education, Harper College. With the 2015 revision to the undergraduate guidelines for approved chemistry programs, the American Chemical Society highlighted the need to improve undergraduate education in polymer science. To help meet this need, Chicago State University and Harper College plan to collaborate to create a new set of introductory and upper-level polymer POGIL laboratory experiments.



“

I really appreciate how the POGIL community has come together to think creatively and offer so many resources for teaching online.

— LISA BELL-LONCELLA  
University of Pittsburgh at Johnstown

## New POGIL Publications in 2020!

**POGIL® Physical Science Activities—Designed to Support the NGSS**, edited by Mare Sullivan.

We're excited to release this highly anticipated collection of 17 interactive, guided-inquiry activities that integrate scientific practices, reasoning, and inquiry in the Physical Science classroom. Authors: Mare Sullivan, Lori Stanton, Amy Steele. Illustrator: Gwen C. Katz. Published by Flinn Scientific.

*Did you know?* There are 19 collections of endorsed POGIL activities ranging from middle school through college level. **Learn more at [pogil.org](http://pogil.org).**



## Coming Soon!

***POGIL Conceptual Physics Activities Designed to Support the NGSS***

Mare Sullivan, editor. Authors: Mare Sullivan, Gwen C. Katz. Illustrator: Gwen C. Katz.

***Thermodynamics, Statistical Mechanics & Kinetics: A Guided Inquiry***

Tricia Shepherd, Sean Garrett-Roe, Rick Moog, Alex Grushow.

***2nd Edition: Quantum Chemistry & Spectroscopy: A Guided Inquiry***

Tricia Shepherd and Alex Grushow.

# Congratulations, everyone!

## The awards and honors keep coming for POGIL practitioners.

**Patrick Cafferty**, Senior Lecturer in Biology at Emory University, was awarded the university's Winship Award for the 2020-2021 academic year. The Winship Award provides leave for an academic term and funds to support work on proposed projects. Cafferty will be working on his project titled "Process Oriented Guided Inquiry Learning (POGIL) to Promote Active Learning at Emory" in the spring term of 2021.

**Kristen Drury**, who teaches AP<sup>®</sup> chemistry, honors chemistry, Regents chemistry, general chemistry, and forensics at William Floyd High School in New York, was selected as a member of Stony Brook University's fifth class of honorees for the 40 Under Forty awards. The award is given to exceptional alumni under age 40 who have demonstrated excellence in their chosen profession.

**Karen Groh**, Associate Professor of Biology at Good Samaritan College of Nursing, was honored with the college's Outstanding Educator Award in May of 2020.

**Susan Shadle** has been named Vice Provost for undergraduate studies at Boise State University. The Vice Provost for undergraduate studies is responsible for leading campus-wide student success initiatives and oversees the offices of Academic Advising and Success Center, the Center for Teaching and Learning, the Institute for STEM and Diversity Initiatives, and the University Foundations program.

**Craig Teague** was recently named Faculty Director of the new core curriculum at Cornell College called Ingenuity, which launches in the Fall of 2020. This new curriculum is an innovative and integrated foundation for student learning aimed towards incoming new students, designed to prepare graduates for success in the 21st century.



**Everyone has a story to tell and experiences from which we all can learn, no matter how novice or inexperienced we feel.**

—AN-PHONG LE, FLORIDA SOUTHERN COLLEGE

# POGIL Donors

POGIL DONORS: FISCAL YEAR 2019

**155**

DONORS

**109**

SUSTAINING PARTNERS

**\$2,150**

STIPEND WAIVERS

**\$64,222**

ANNUAL FUND GIFTS

# Thank you to our generous donors!

Our warmest thanks to each of you for giving so generously of your time, your treasure, and your hearts over the past year. We love you all and are deeply grateful for your support and participation. We'd also like to recognize our 109 Sustaining Partners\* who have donated for three or more years or have joined our monthly giving program. **We can't thank you enough, but we'll keep trying!**



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# Ways to Give

Join us for  
POGIL Pledge Week,  
October 19-23, 2020!



**Now, more than ever, educators and employers emphasize the need for students to develop the skills and knowledge to succeed at school and at work, and to actively participate in civic life. Your gift, of any amount, helps bring POGIL to new educators and classrooms every year. Thank you!**

## **Online at [www.pogil.org/donate](http://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 (EIN# 27-3451654) through your Donor-Advised Fund.

## **Publicly Traded Securities:**

Visit [pogil.org/donate](http://pogil.org/donate) 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 717-358-3837.



*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.*



# Financial Overview

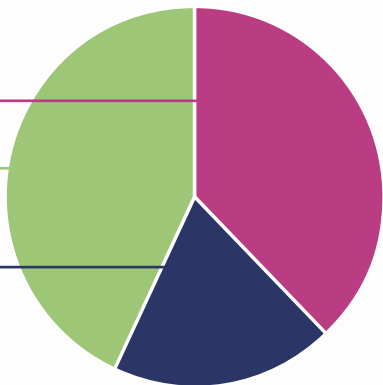
\* Most recent full financial year

## REVENUE SOURCES

40% Donations & Grants\*\*

43% Workshops

17% Publication  
Sales & Royalties

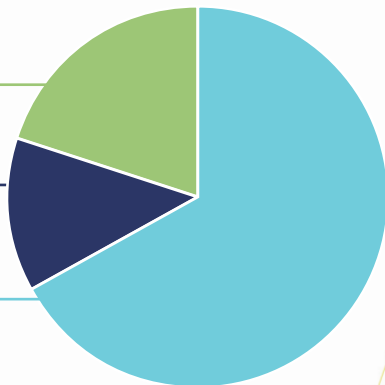


## EXPENSES AS % OF BUDGET:

20% Management &  
General

13% Fundraising

67% Programming



Since 2012\*

Together, we've provided

**385+** POGIL  
workshops

which has helped

**10,400+** educators

bring POGIL to their  
classrooms and has  
reached an estimated

**250,000+** students  
with POGIL.

*\*The POGIL Project's first full year as a  
nonprofit organization*

# POGIL Leadership

## ***Board of Directors***

**Andrew R. Bressette**, Associate Professor of Chemistry and Vice President for Enrollment Management, Berry College, Mt. Berry, GA

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## ***2020-21 Steering Committee***

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**Michael Bruno**, Instructor of Chemistry and Chemistry Chair, North Carolina School of Science and Mathematics, Durham, NC

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**Shannon Wachowski**, Science & C/VE Consultant, Wyoming Department of Education, Cheyenne, WY



**The POGIL community is my first line of teaching support. Thank you to my POGIL friends and colleagues.**

— Megan Hoffman, Berea College



**The whole group is wonderful! I love my high school POGIL books for bio and chem, and enjoy the challenge of writing my own for physics.**

— Alison Hapka, Elkton High School



**I love The POGIL Project. Best community I have. I always feel welcome, recognized, and valued with POGIL people.**

— Elizabeth Jensen, Aquinas College



**The best thing [about The POGIL Project] is to know that I am not alone, but rather a member of a community.**

—Michael Everest, Westmont College



**I have had great experiences with POGIL resources and webinars. The fact that the POGIL webinars that I attended had been held on Zoom helped prepare me for remote teaching this past spring. The Zoom webinars modeled ways in which students could be engaged in effective virtual group work.**

— Mary Kaspriskie, Livingston High School



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LANCASTER, PA 17604-3003  
WWW.POGIL.ORG



**We at The POGIL Project are here to support you in whatever ways we can. Let us know how you're doing. Let us know what you need. And more than anything else, take care of yourselves and each other. We'll get through this, together.**

— RICK MOOG  
Executive Director of The POGIL Project

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