

POGIL Glossary
updated 5/21/24

A&P Anatomy and Physiology

ACS American Chemical Society

Adopters Faculty members who have chosen to use POGIL materials in their classrooms.

ANA POGIL Analytical Chemistry POGIL - an NSF-funded project.

Apostrophe The platform on which the POGIL website is based.

Bank Loan Profit Model The foundation of the Fundamentals of POGIL session. This activity takes participants through an exercise that explains bank loans/profits and then a series of meta activities to examine it from different perspectives.

BCCE The Biennial Conference on Chemical Education

Birds of a Feather Small, informal conversations on topics of common interest.

Bloomerang The fundraising platform and database employed by The POGIL Project.

Blue Book So named because its cover is blue, this booklet contains all the of essentials offered in an introductory POGIL workshop.

Board The POGIL Project Board of Directors. The body that has fiduciary responsibility for The Project.

BTSE Bridging to STEM Education. A collaborative NSF grant with other STEM organizations that brings different pedagogies to a variety of institutions.

Cengage Cengage is the company that used to publish several of POGIL's physical chemistry books (Thermodynamics and Atoms, Molecules & Spectroscopy). We no longer have a publishing relationship with Cengage.

CF Coordinating Facilitator (the lead facilitator at a workshop)

CFT Collaborative Feedback Training. This is the first step of participating in the POGIL Activity Clearinghouse. It is free training to help people give and receive feedback.

Chief Morale Office Currently a position held by Sully Boldizar, an English Cream Golden Retriever. This position in the POGIL National Office is unpaid, unless you count treats and belly rubs as compensation.

Community of Transformation Coined by Adrianna Kezar in a 2015 study, The POGIL Project earned this designation, which is defined as a community that not only improves the practices of its members, **but also** achieves systemic change for greater impact.

CPF Collaborative Peer Feedback. Offered by the PAC, CPF is a collaborative, small-team, facilitated feedback process for activities. Small groups of prospective authors meet online with a facilitator to share feedback, discuss recommendations, and develop insights.

Credit-Default Swap Activity A standard activity in introductory workshops that explains the concept of credit-default swaps in banking. This is now known as the Bank Loan Profit Model.

DBER Discipline Based Education Research. The basis for an NSF grant for 16 participants.

DEIB Diversity, Equity, Inclusion, and Belonging

ELIPSS Enhancing Learning by Improving Process Skills in STEM. A grant-funded entity that has created tools to assist with the use of process skills.

Endorsement The process that entails reviews by teams of trained reviewers and that leads to publishing of POGIL activities.

eSeries A web event that is led by a facilitator and a tech host on the Zoom platform. One of the ways that The Project generates revenue.

Extra Give The Lancaster Extraordinary Give countywide fundraiser, which takes place the 3rd Friday of November.

Facilitator In POGIL classrooms the instructor serves as a facilitator (a guide on the side), not a sage on the stage.

Fishbowl Activity used to teach and hone facilitation skills; the participants are the "fish" watching and activity being facilitated in "the fishbowl."

Flinn Flinn Scientific The publisher of POGIL's high school and middle school activity collections.

Footy Activity (Aussie Activity) An optional activity presented in workshops that is based on Australian Rules Football.

Future Plans A form that participants in workshops fill out to indicate their future plans for using POGIL.

GILT (Guided Inquiry Learning with Technology) & **STIGIL** (Scaffolding & Tool for Instructors in Guided Inquiry Learning). This is a grant-funded initiative that explores and builds capacity for technologically enhanced delivery and use of POGIL materials through an online delivery system. **STIGIL** is the grant project. **GILT** is the platform/online delivery system.

GOB General, Organic, and Biochemistry

Guiding Principles Document The document that serves as the foundation for informing effective application of DEI in all of POGIL's frameworks. Created by Michael Bruno and Gail Webster and adopted in 2021 by the Steering Committee.

Hach The Hach consortium in Northern Colorado was a 3-year professional development project, funded by the HACH Scientific Foundation whose purpose was to provide in-depth, continuing

professional development for high school faculty interested in using student-centered, guided inquiry methods in their chemistry classrooms.

HSPI High School POGIL Initiative, funded by the Toyota Foundation, to extend the work of The POGIL Project to secondary schools (ended 2012). This initiative results in the publication of our first sets of high school activities in biology, AP biology, chemistry and AP chemistry.

Impact Award An award given to individuals or teams who have achieved extraordinary outcomes related to The Project's strategic plan. Given as determined by the Steering Committee and presented by the chair of the Steering Committee at the POGIL National Meeting.

Inclusive Excellence A session in POGIL's multi-day workshops that educates participants about microaggressions and inclusive language.

Kendall Hunt POGIL's publishing partner for post-secondary and select secondary materials.

Learning Cycle A research supported method for science education that takes students from inductive to deductive (exploration to concept invention to application).

Learning Communities An initiative in The POGIL Project to broaden participation, deepen community, and create equitable pathways to leadership opportunities in the POGIL Project. The goal of this program is to support a diverse set of **new** practitioners through their beginning years of implementation to improve retention of underrepresented instructors in the POGIL Project.

MVV The POGIL Mission, Vision and Values statement.

NCAPP National Conference to Advance POGIL Practice. A biennial event (held in odd-numbered years) that brings POGIL practitioners together to share new ideas, get targeted feedback, engage in discussions, and interact with each other.

NGSS Next Generation Science Standards. A multi-state effort to create standards that are rich in content and practice, arranged in a coherent manner across disciplines and grades to provide students an internationally benchmarked science education. All of POGIL's secondary materials align with NGSS.

NSF The National Science Foundation

Nuclear Atom Activity An optional activity presented in workshops that introduces the concept of atomic weight.

OPTIC Classroom Observation Protocol. A behavior observation tool to capture behavior of instructors and students in a POGIL classroom.

PAC POGIL Activity Clearinghouse. The mechanism by which practitioners collaborate, peer review, and classroom text activities with the goal of creating high-quality POGIL activities.

Participant Someone who attends a POGIL workshop or session

PAVO PAVO | Digital Science Solutions by Flinn Scientific is the all-in-one platform for school district science programs, with comprehensive content and customizable labs across all subject areas at the middle school, high school, and advanced levels.

PCChem Physical Chemistry.

PCL Physical Chemistry Laboratory.

PEACH The POGIL Early Achievement Award – awarded at NCAPP to a high school teacher and a post-secondary teacher. The Steering Committee selects PEACH winners in the fall prior to NCAPP after a nomination process.

PNM The annual POGIL National Meeting. The PNM is a working meeting to accomplish the work of The Project. It is held in person in even-numbered years at the end of June, and virtually in odd-numbered years at the beginning of June.

POGIL An acronym for Process Oriented Guided Inquiry Learning.

POGIL Inquirer The quarterly POGIL newsletter sent to all those listed in the POGIL Wild Apricot database.

POGIL Podcast A podcast hosted by Wayne Pearson, and featuring interviews by Alex Grushow and Siobhan Julian. 10 episodes are released each season with a few bonus episodes.

POGIL Practitioner Facebook Page The Facebook page where POGIL practitioners can post questions, get answers, and interact as a community.

POGIL Project The POGIL Project is a 501(c)3 corporation that works with educators to disseminate its unique pedagogy at the secondary and college levels via workshops and materials.

POGIL Social Hour This monthly virtual get-together hosted by the POGIL Networks team brings together practitioners for an informal meeting to discuss issues facing POGIL practitioners.

PPW POGIL Pledge Week ... held in October.

Process Skills One of the principles that characterizes POGIL as a teaching strategy is the development of process skills, including cognitive and affective processes that students use to acquire, interpret and apply knowledge. These skills include teamwork, oral/written communication, management, information processing, critical thinking, problem solving, and assessment.

P'UNK AVE The company that designed our current website.

Quadrilateral Activity Refers to two different POGIL activities:

1. Parallelograms are a Type of Quadrilateral is an optional activity presented in workshops.
2. Quadrilaterals and Parallelograms is part of the session "Writing: How are Activities Structured?"

QOD Question of the Day.

Real/Ideal Classroom An optional activity presented in workshops, usually as a warmup activity.

Red Folder So named because all contents are contained within a red folder, this includes basic POGIL activities that are taught at introductory POGIL workshops and follow POGIL methodology.

RM/RW Regional meetings/Regional workshops. NOW KNOWN AS SUMMER WORKSHOPS!

Roles In POGIL classrooms, students typically work in groups of four, and each student in that group takes on a role designated by the facilitator; common roles include a manager, spokesperson, quality control, technician, encourager, reader, etc.

Robust Models A robust model is one that allows students to construct their own learning by providing enough context (such as examples, counterexamples, etc.), enough time to think, and an opportunity to discuss their thoughts with group members, while at the same time NOT giving too much information that would inhibit students' exploration of a topic.

Rubrics A way of communicating expectations for a specific task, assignment, etc.; commonly used in POGIL to evaluate potential POGIL activities. These include the Content Rubric: Application Activity, Content Rubric: Learning Cycle Activity, and Process Rubric.

SII An assessment form that workshop participants fill out to give feedback on the Strengths, Areas for Improvement, and Insights into Teaching and Learning.

SoTL The Scholarship of Teaching and Learning.

Speed and Function This is the entity that maintains the back end of the POGIL website.

Steering Committee The group of faculty that meets throughout the year to guide the pedagogical thrust of the project.

STEM Science, Technology, Engineering, Math. Add an "A" for Art, and we get STEAM.

STIGIL see GILT

SPUR⁺ Grants Special Project Underwriting Request PLUS grants— POGIL Awards designed to promote (spur) diffusion of POGIL by awarding small grants for special projects. POGIL offers up to two awards per year (up to \$2500 each) through a competitive process.

Strategic Plan The five-year plan that sets priorities for Project leadership, staff, and other members of the POGIL community. The plan is updated every five years.

Sweet and Salty An older activity in introductory workshops

SWH Science Writing Heuristic - an instructional technique that combines inquiry, collaborative work, and reflective writing, provides a structure for both students and teachers to do effective inquiry activities in the chemistry laboratory.

Taylor Francis Publishing The publisher of the POGIL book edited by Shawn Simonson

Tracks The POGIL Project offers several tracks during multi-day summer workshops, including facilitation, writing and labs.

Watershed Activity An older activity in introductory workshops that introduces concepts related to watersheds.

Wild Apricot The event management software that The POGIL Project uses for events.

Wiley The former publisher of POGIL textbooks and activities at the undergraduate level.

Writers' Retreat A multi-day summer workshop devoted to advanced writers who want to refine materials they have begun authoring, and who want to get substantive feedback from others.

ZOOM A videoconferencing platform that The Project uses for most of its online meetings.