

## POGIL Glossary updated 7/11/2022

**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.

**Blue Book** Named so because its cover is blue, this booklet contains all the 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.

**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.

**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.

**DEI** Diversity, Equity, and Inclusion

**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 makes money on events.

**Extra Give** The Lancaster Extraordinary Give countywide fundraiser, which takes place the 3<sup>rd</sup> 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 activity texts.

**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.

**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)

**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 partners 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).

**MVV** The POGIL Mission, Vision and Values statement.

**NCAPP** The National Conference to Advance POGIL Practice. Held every two years (in odd numbered years.)

**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.

**NCAPP** National Conference to Advance POGIL Practice. A biennial event 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.

**PChem** Physical Chemistry.

**PCL** Physical Chemistry Laboratory.

**PEACH** The POGIL Early Achievement Award – given each year at the POGIL National Meeting to a high school teacher and a post-secondary teacher. The Steering Committee selects PEACH winners in the fall after a nomination process.

**PNM** The annual POGIL National Meeting.

**POGIL** An acronym for Process Oriented Guided Inquiry Learning.

**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 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.

**PPW** POGIL Pledge Week ... usually 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 and maintains its platform.

**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** Named so 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.

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

**STEM** Science, Technology, Engineering, Math.

**Stylus Publishing** The publisher of the POGIL book edited by Shawn Simonson

**SPUR** Special Project Underwriting Request - Awards designed to promote (spur) diffusion of POGIL by awarding small grants for special projects. POGIL does not currently offer these.

**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.

**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.