



Concordia Hosts

An EARCOS Weekend Workshop

Incorporating scientific and engineering practices
in the science classroom through POGIL

Are you seeking to develop a student-centered, inquiry-based environment in your science classroom, where students can cultivate science and engineering practices as an integral part of their learning experience? In this two day Weekend Experience you will be immersed in a process-oriented, guided-inquiry learning environment as you explore the Next Generation Science Standards and more.

October 17 and 18, 2015

See attached for full workshop description, registration
details and hotel information



Incorporating scientific and engineering practices in the science classroom through POGIL

Oct. 17-18, 2015

Concordia
International
School Shanghai

What is POGIL?

POGIL* (Process Oriented Guided Inquiry Learning) is a student-centered strategy that uses guided inquiry – a learning cycle of exploration, concept invention and application – as the basis for many of the carefully designed materials that students use to guide them to construct new knowledge. POGIL activities focus on core concepts and encourage a deep understanding of the course material while developing higher-order thinking skills. (www.pogil.org)

Workshop Description

On day one we will increase our mastery of the NGSS**, explore how POGIL strategies can help us incorporate science and engineering practices into our courses, analyze teacher behaviors that improve facilitation of student learning, brainstorm small group formation and pacing strategies, plan how to provide emotional support for students in collaborative inquiry learning groups, and investigate the structure of an effective guided inquiry activity.

On day two we will determine the characteristics of robust models for guided inquiry activities, evaluate our own textbooks as sources of models for mini-guided inquiry activities, and write/beta test/rewrite mini-activities for use in our own courses.

Details

Workshop dates and times

October 17 & 18, 2015
8 a.m. – 4:30 p.m.

Location

Concordia International School
Shanghai

999 Mingyue Road, Pudong
201206 Shanghai, PRC

Visa Information

Participants coming from outside of China will need a to obtain a tourist or 72 hour transit visa.

Information about Chinese visas:
www.china-embassy.org/eng/visas/adr/.

Graduate credit

One graduate credit is available for \$45 through Seattle Pacific University, Seattle WA. Sign up for the credit when you arrive onsite.

Registration

The registration fee is 350 RMB for participants from EARCOS member schools; 950 RMB for participants from non-EARCOS member schools. This includes workshop materials as well as refreshments and lunches during the workshop. Refer to the registration page for payment information.

We recommend bringing a laptop to access NGSS online. We will provide a hard copy of the standards for reference, but feel free to bring your own copy.

All participants need to bring their course textbook(s) or other curriculum for the writing sessions on Sunday.

Please register online at <http://bit.ly/EARCOSPOGIL> by October 1, 2015. Direct questions to Anne Love at anne.love@concordiashanghai.org.



About the presenter

Mare Sullivan has taught K-12 science in public and private schools for the past 25 years, facilitated numerous inquiry-based science teaching workshops, and contributed to three published books of guided-inquiry activities for High School Biology and Chemistry. She was an invited symposium speaker at the 2011 IUPAC World Chemistry Congress, San Juan, Puerto Rico and at ChemEd 2013, University of Waterloo, Waterloo, Ontario, Canada. Named the 2013 WSTA Secondary Science Teacher of the Year and the 2012 Puget Sound Area ACS HS Chemistry Teacher of the Year, Mare loves helping peers increase the inquiry environment in their own classrooms. Mare is currently an adjunct faculty member in the Seattle Pacific University School of Education.

* POGIL and the phrase "process oriented guided inquiry learning" are registered trademarks of the POGIL Project.

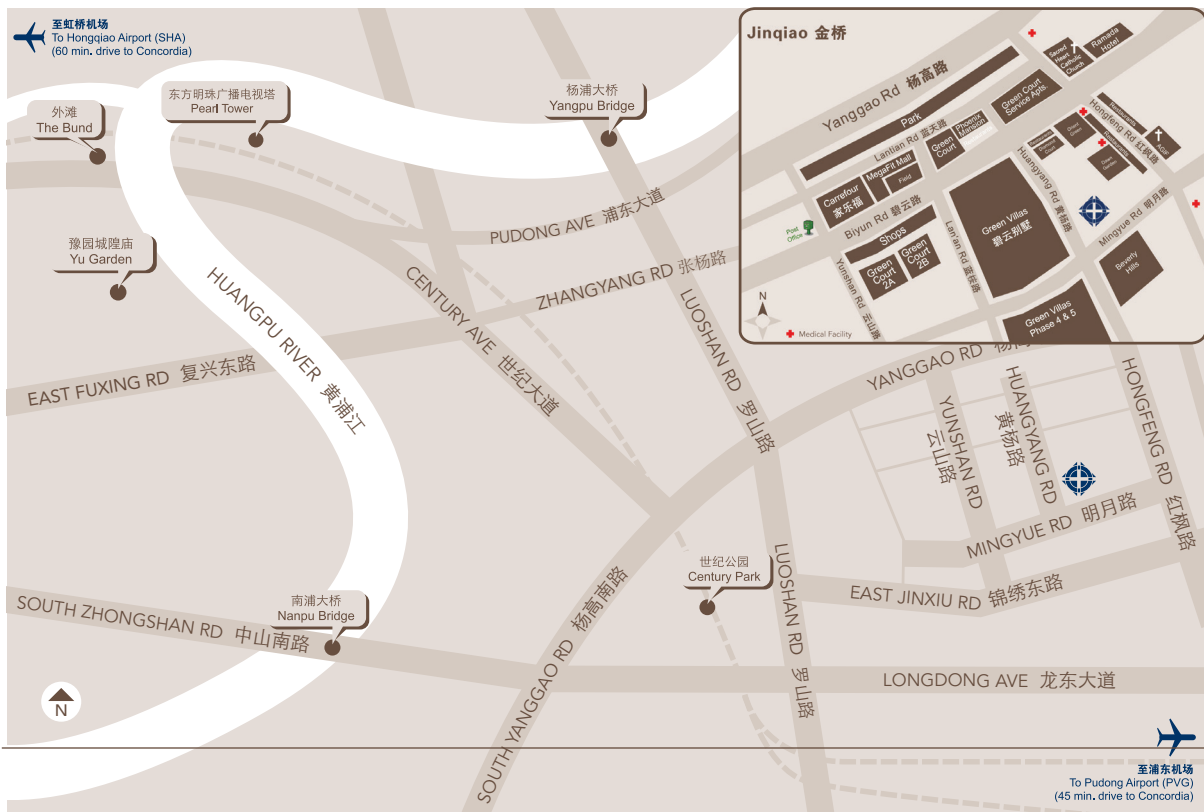
** NGSS and Next Generation Science Standards are registered trademarks of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.

Travel Details

The closest airport to Concordia is Shanghai Pudong International Airport (PVG). A taxi from the airport to the local hotels should cost less than 150 RMB.



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www.concordiashanghai.org



Hotel Information

We recommend the following hotels, which are within close proximity to Concordia. Contact the sales representative listed below directly and mention that you will attend a workshop at Concordia to receive a corporate rate.

Citadines Shanghai Biyun (5-minute walk to Concordia; Apartment/hotel) Prices start at 500 RMB.
Reservations: Jenny Lu, jenny.lu@the-ascott.com

Ramada Hotel Pudong (15-minute walk to Concordia) Prices start at 850 RMB.
Reservations: Annie Yan, annie@ramadaplazapd.com

Marriott Shanghai Pudong East (15-minute walk to Concordia). Prices start at 1050 RMB.
Reservations: Queeny Li, Queeny.Li@marriott.com

Grand Metro Park Jia You Hotel (20-minute walk to Concordia) Prices start at 580 RMB.
Reservations: Candy Shi, candy.shi@grandparkjiayou.com