

Fall, 2018 EDIT Application  
Professional Development Grant Application LaGuardia Community College

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1a. Name: Dionne Miller 1b. Title: Active Learning in Hybrid-Online General Chemistry  
2a. Department: Natural Sciences 2b. Mailbox: \_\_\_\_\_  
3a. Email Address: \_\_\_\_\_ 3b. Phone: \_\_\_\_\_  
4. Amount Requested: \$500.00

5. Have You Received Funds from EDIT in the Last 2 Years? ☐ Yes ☒ No

If Yes, Provide Details (Year / Cycle/ Amount): \_\_\_\_\_

6. Requested Funds from Other Sources:

A. Requested funds from Academic Affairs: ☒ Yes ☐ No

Provide Details: Conference registration was covered and I have applied for the 40% reimbursement of allowed expenses.

B. Requested funds from Academic Department / Other: ☐ Yes ☒ No

Provide Details: \_\_\_\_\_

7. Project Type (Choose One of the Following): Please note that the first 2 categories are for presentations at a conference or a Lecture while the 3<sup>rd</sup> and 4<sup>th</sup> categories are for conducting research in preparation for publication, etc. The 5<sup>th</sup> and 6<sup>th</sup> categories are for attending workshops, seminars, and conferences, not for presenting.

- ☐ Presenting Research or Scholarship in a paper or a presentation at a Conference or Lecture (International)  
☒ Presenting Research or Scholarship in a paper or a presentation at a Conference or Lecture at a Conference or Lecture (Domestic)  
☐ Conducting Research or Scholarship (Individual Faculty Project)  
☐ Conducting Research or Scholarship (Enhancement of Academic Dept. / Program)  
☐ Attending Workshops, Seminars, and Conferences (Individual Faculty Development)  
☐ Attending Workshops, Seminars, and Conferences (Enhancement of Academic Dept. / Program)

8. Project Information:

Name of Conference, Organization, or Project: Biennial Conference on Chemical Education (BCCE)

Title of Presentation or Project: Active Learning in Hybrid-Online General Chemistry

Date of Presentation or Project: July 30, 2018

Location of Conference, Organization, or Project: University of Notre Dame, South Bend, Indiana, USA

**9. Briefly State How Project Supports Tenure, Promotion, and /or the College's Strategic Plan:**

This presentation fulfilled LaGuardia's requirement that faculty engage in research in their discipline and also promotes the college to external audiences. This work also supports student success by providing insights to other faculty who are working to design and develop online or hybrid courses in accordance with the College's strategic plan.

**10. Abstract**

Provide a Description of Your Project, Including Subject Area, Purpose, and Major Activities:

Hybrid courses, those that offer a mix of online and face-to-face instruction, are one type of flipped classroom model, especially when students are expected to complete the lecture portion online asynchronously. Many institutions, including LaGuardia Community College, are desirous of increasing their online course offerings. Online/hybrid models provide many advantages but also come with attendant challenges. In the fall semester of 2012, 54% of students registered in General Chemistry I at LaGuardia Community College reported that they worked 11 hours or more per week and many reported significant family responsibilities. Hybrid courses allow these students flexible learning solutions which can help them balance work and family responsibilities. They also help students to develop self-direction, autonomy and some degree of self-pacing in their learning.

This presentation will explore the specific questions and challenges faced in developing a hybrid course in chemistry geared for freshman college students in an urban 2-year college, and the process through which these questions were answered and the challenges overcome. A transferable model for hybrid course instruction in first or second semester science courses results, featuring interactive, user-friendly lecture materials which allow for self-paced learning, online homework with rigorous feedback for self-evaluation, a detailed syllabus to aid in planning and organization and assessments that take advantage of technology and stimulate students to stay on track. This model provides effective support for the student while encouraging him/her to become an independent, self-regulated learner.

**11. Evaluation**

Discuss how you will determine if your project was successful (for example, future publication of a presentation, audience response, survey).

I have been invited to write a book chapter based on my presentation for publication of an e-book with the other presenters in the symposium at the conference.



**12. Budget**

Provide a complete budget that specifies the items for which the EDIT grant funds will be used. **Attach copies of receipts for all items requested.** In preparing your budget, review the Eligibility & Award Criteria section of this application (page 2) which lists the type of expenses funded by EDIT. Be sure to indicate whether you are providing the **ACTUAL** or **ESTIMATED** cost of an item. You may provide a limited number of estimated expenses for services not yet rendered for which your costs are estimated. For example, your travel takes place after the application deadline so you have estimated the cost of your taxi ride from the airport to the hotel. In this case, be sure to include the pending item(s) in your budget, submit your application by the deadline, and send the co-chairs copies of the missing items as soon as you get them. Full-time faculty requesting funds for conferences supported by Academic Affairs should request 60% of allowable expenses for **domestic conferences** and indicate you are doing so for each budget item. For **international conferences** request funds for items not covered by Academic Affairs. **Per diem requests will be granted only for conference presentations. EDIT only considers the expenses of the applicant.** If you are sharing expenses (hotel room, etc.), or traveling with others, please adjust your budget accordingly and make specific references to this in the notes section of the application (see Budget).

Category	Number of Items	Cost	Actual or Estimated	60% of Expenses? Yes / No
Travel NYC to South Bend Indiana	1	\$ 124.98	actual	yes
Travel Fort Lauderdale to NYC	1	\$ 69.72	actual	yes
Hotel accommodation	1	\$ 349.85	actual	yes
		\$		
		\$		
		\$		
		\$		
<b>Total</b>		\$ 544.55		
<b>Notes:</b> I did not return directly from South Bend to NY as I had to attend a family event in Florida that was held the day after the conference ended. I therefore could not return to NY directly from the conference.				

13. \_\_\_\_\_  
 Applicant's Signature

10/3/2018  
 Date

\*\*\*\*\*FOR PART-TIME FACULTY ONLY\*\*\*\*\*

\_\_\_\_\_  
 Chairperson's signature  
 (Applicant has been in continuous service for the past two academic years – September through June)

\_\_\_\_\_  
 Date



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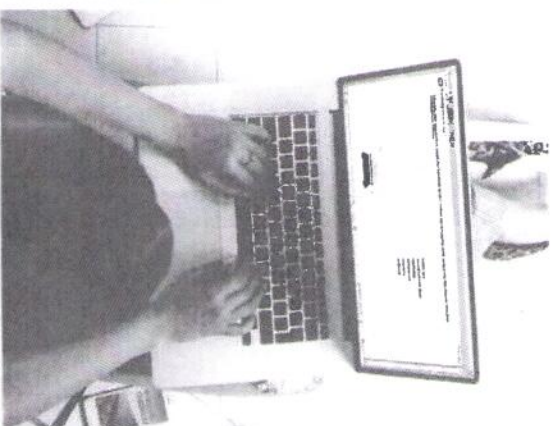
Groundbreaking chemistry textbooks from W.H. Freeman that can be tailored to suit your course needs.

Online homework from Sapling Learning with embedded hints and targeted feedback to promote individual student learning.

Customized lab resources from Hayden-McNeil including pre and post lab assessments, print and digital lab manuals, online lab courses and lab notebooks.

Stop by Booths 5-8 to learn more about our innovative approach to support your chemistry curriculum.

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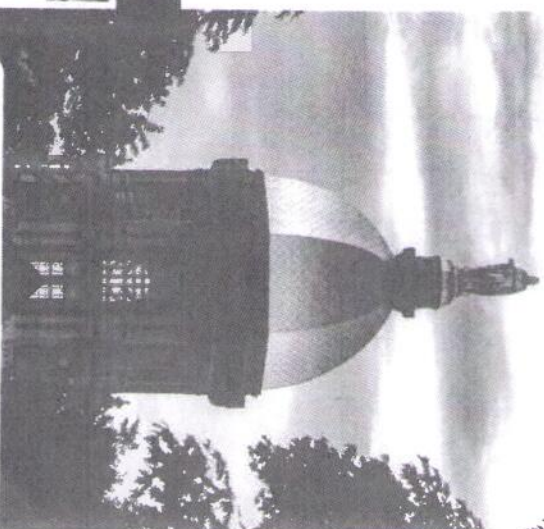
## BCCE POCKET GUIDE



25th Biennial Conference  
on Chemical Education  
July 29–August 2, 2018



Chemical Education is GOLDEN



 macmillan  
learning

**SUBMISSION ROLE:** Abstract Submission

**CONTROL ID:** 2967851

**ABSTRACT SYMPOSIUM NAME:** More bang for your buck: (More) effective active learning methods in General Chemistry

**AUTHORS (FIRST NAME, LAST NAME):** Dionne Miller<sup>1</sup>

**INSTITUTIONS (ALL):** 1. Natural Sciences, LAGUARDIA COMMUNITY COLLEGE, Long Island City, NY, United States.

**TITLE:** Active Learning in Hybrid-Online General Chemistry

**ABSTRACT BODY:**

**Abstract:** Hybrid courses, those that offer a mix of online and face-to-face instruction, are one type of flipped classroom model, especially when students are expected to complete the lecture portion online asynchronously. Many institutions, including this author's college, are desirous of increasing their online course offerings. Online/hybrid models provide many advantages but also come with attendant challenges. In the fall semester of 2012, 54% of students registered in General Chemistry I at LaGuardia Community College reported that they worked 11 hours or more per week and many reported significant family responsibilities. Hybrid courses allow these students flexible learning solutions which can help them balance work and family responsibilities. They also help students to develop self-direction, autonomy and some degree of self-pacing in their learning.

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## Receipt for South Bend

Jul 29, 2018 - Jul 29, 2018

Itinerary # 7365099181456

### Booked Items

**Flight:** New York (LGA) to South Bend (SBN)

**Depart:** 7/29/2018 ,1 one way ticket

### Traveler Information

**Dionne Miller - Adult**

**Ticket #** 0017162200186

### Cost Summary

**Booked Date:** Jul 10, 2018

<b>Traveler 1: Adult</b>	<b>\$208.30</b>
Flight	\$173.95
Taxes & Fees	\$34.35

**Total: \$208.30**

**Paid: \$208.30**

[Visa 9775]

All prices quoted in US dollars.

MONDAY, JULY 30, 2018, 8:00 AM

**Mom the Chemistry Professor: Personal Accounts & Advice from Chemistry Professors who are Mothers**  
*Sponsored by WCC*

210 DEBARTOLO LECTURE HALL

58

K. A. Wozniak, *Organizer*  
 R. S. Cole, G. H. Webster, *Presiding*

8:00	Introductory Remarks.	
8:05	264 Equilibrium and stress: Balancing one marriage, a "two-body problem," and three children.	S. Bretz
8:25	265 From pre-med to U.S. Professor of the Year... with a family.	A.K. El-Ashawy
8:45	266 Chemistry in the family: A mother's journey.	C.B. Frech
9:05	267 Safety challenges and motherhood in the academic chemistry research laboratory: Results from a qualitative study.	M.G. Grunert Kowalske
9:25	Intermission.	
9:40	268 On my terms: Navigating life and motherhood as a chemistry professor.	S.E. Mason
10:00	269 From mom the chemistry professor to mom the professor and administrator: Maintaining balance in academia.	S.O. Obare
10:20	270 Navigating my way to academia and motherhood... without a GPS.	G.H. Webster
10:40	Panel Discussion.	

TECHNICAL SYMPOSIA  
 MONDAY

MONDAY, JULY 30, 2018, 8:00 AM

215 DEBARTOLO LECTURE HALL

**More Bang for Your Buck: (More) Effective Active Learning Methods in General Chemistry**  
 M. Biaser, *Organizer, Presiding*  
 B. Balasubramanian, *Presiding*

8:00	Introductory Remarks.	
8:05	271 All carrot, no stick! An iterative approach to active learning in freshman chemistry courses.	B. Balasubramanian
8:25	272 Application of active learning techniques in large introductory and general chemistry classes.	C. Beck
8:45	273 Really being ACTIVE in the active learning classroom.	M. Newsome
9:15	274 Engaging students in a large lecture General Chemistry course: Pacing learning activities for aqueous equilibria with the creative use of a classroom response system.	C. Labrake
9:25	Intermission.	
9:40	275 Improving an active learning general chemistry course.	T.M. Clark
10:00	276 Promoting active learning outside the classroom.	S. Pazicni
10:20	277 Active learning in hybrid-online general chemistry.	D. Miller
10:40	278 Constructing explanations during and outside of a non-majors chemistry class: Which improves student learning?	M. Atkinson, S. Krishnan, L. McNeil, J.A. Luft, N.J. Penta

TECHNICAL SYMPOSIA  
 MONDAY

American

Boarding pass

Record Locator: **XEYGDY**

**MILLER**  
DIONNE

Record Locator: **XEYGDY**

Seat **16B**

**MILLER / DIONNE**

Frequent Flyer Number:

**CLT → SBN**

Charlotte to South Bend

Departing: Sunday, July 29, 2018

Gate

**E18**

Terminal --

Flight

**AA2859**

Seat

**16B**

Boarding Time (EDT)

**7:25 PM**

Departing at **7:55 PM (EDT)**



Main

More Flight Details

1 h 54 m

Arriving at: **9:49 PM (EDT)**

Inflight Services



Ticket: 0017162200186

For gates, terminals and flight status, please check with us at [aa.com/gates](http://aa.com/gates) or call 1-800-433-7300

Doors close 10 minutes before departure



American

Boarding pass

Record Locator: XEYGDY



MILLER  
DIONNE

Record Locator: XEYGDY

Seat: 7C

MILLER / DIONNE

Frequent Flyer Number:

LGA → CLT

New York to Charlotte

Departing: Sunday, July 29, 2018

Gate

D8

Terminal B

Flight

AA1862

Seat

7C

Boarding Time (EDT)

3:20 PM

Departing at 3:50 PM (EDT)

GROUP

6

Main

More Flight Details

2 h 25 m

Arriving at

6:15 PM (EDT)

Inflight Services:



Ticket: 0017162200166

For gates, terminals and flight status, please check with us at aa.com/gates or call 1-800-433-7300.

Doors close 10 minutes before departure.