

Instructions for Student Volunteers

LSU students interested in participating in ChemDemo must commit to the following:

- Select the ChemDemo lesson you would like to present.
- Select a K-12 partner of your choice and coordinate with him/her to find the best day/time to do the science demonstration. A list of potential teachers/schools is provided below. Students may select a K-12 partner that is not on the list. *If you're looking for additional local school options, here's a list of [East Baton Rouge Parish Schools](#).
- Schedule the date and time(s) of your K-12 class presentation(s), complete the [ScienceDemo Kit Request Form](#).
- If your demonstration requires dry ice or liquid nitrogen, complete the [Dry Ice/Liquid Nitrogen Request](#) and [Safety Form](#).
- Review and practice your presentation.
- Fill out the [Student Travel Form](#).
- Pick up your demo kits at the requested time.
- Deliver your demonstration presentation to your K-12 class(es).
- Return your demo kit as instructed.
- Craft a 1-page well-written reflective essay and submit it electronically to your professor or Dr. Gretchen Schneider (gschne2@lsu.edu).

Directions for Reflection Essays

Participating students are required to share their experiences with the professor via a written reflection. Answer the following questions in essay format in one, single-spaced typed page. These questions are intended to take you through the “what, so what, now what” reflection model presented during your orientation session. The questions are numbered for your convenience, but do not include the numbers in your answers. Instead, construct your responses as a fluid essay. Please be brief, but specific, and remember to proofread!

1. Briefly describe (in no more than 3 sentences) your participation in ChemDemo. Your answer should include information on the demonstration you performed and when and where (school, teacher, and class) you performed it.
2. In what ways did you incorporate principles of learning strategies, communication, and service-learning in your demonstration to meet the needs of your student audience? How did students respond to your demonstration?
3. How did your experiences in ChemDemo affect your understanding of the concepts taught in chemistry?

1. If you did two presentations, discuss the ways in which your demonstration changed from the first to the second presentation. You might include adjustments you made in content or delivery (and why), and your experiences during the presentations.
2. What did you learn by participating in ChemDemo about yourself—your learning style, your teaching skills, your communication skills? What surprised you about your ChemDemo experience?
3. What advice would you give to someone participating next semester in ChemDemo to ensure a worthwhile experience?
4. What else would you like to say about your participation in ChemDemo?

Below are tips to help you present impactful demonstrations.

- Start early! Read carefully through the demos available for your class, and choose which demo you will present.
- View videos, slides, images, and other resources designated in the demo lesson plan.
- Understand your content! Make sure you understand the scientific concepts you will be teaching. Make sure you clearly and thoroughly explain the science behind the experiment.
- Choose your school and teacher early, and be in continuous contact with them so you're organized and prepared.
- Ask questions: How big will your class be? How much time do you have? What frame of reference will the students have in regards to the content you will be teaching via the demo? What other important information might you need to know?
- Know your site contacts: names, phone numbers, site, and room locations.
- Contact the K-12 school administrator (principal or assistant principal) and let them know you will be visiting their school for ChemDemo.
- Know your students' background in your chosen material (pre-demo assignments, past coursework). Ask the teacher how the students will relate to the demo material-previous or upcoming lessons, similar class experiments, etc.
- Know safety! Review Safety section of the lesson plans carefully and use this information to protect your students and yourself from bright light, dangerous liquids, and foolish uses. You are demonstrating and reinforcing lab safety when you use these materials with the correct gear and methods.
- Get prepared! Gather your demo materials; create your outline/talking point; gather any documents, slides, or PowerPoints you'll need. Make sure you are equipped with enough materials for your class size.
- Remember your audience - there are some things you may need to explain in more detail and a lower level, depending on your audience's age and grade.
- Practice, practice, practice! Run through your Demo at least once so you have a sense of the science details, how the presentation flows, and how much time each step will take.

- Be organized! Make sure you'll have everything you need well in advance of the day you're going to present.
 - Be aware of your position as a member of the LSU and the science community. You are also a member of the community, and in this situation, you can learn about public educational resources first-hand.
 - Start out strong! Make sure you leave enough time (at least 5 minutes) before and after your demo to pass out materials, set up the demo, and put away material.
 - Introduce yourself and connect with your audience. Wear a name tag and/or write your name on the board. Include information about you as an LSU student - they will probably ask questions regarding your major, your experiences, and why you're interested in science.
 - Be engaging! Grab your students' attention, find common ground, demonstrate the importance and relevance of the lesson, preview the lesson, and review from time to time.
 - Keep a warm, positive attitude. Be respectful of your students, and be friendly.
 - Check in frequently with your students to make sure they understand: ask open-ended questions, ask them to recap what's been done or explain a concept or instruction.
 - Finish strongly! Summarize the lesson, including background, experiment, and scientific explanation. Answer any questions, and tie up any loose ends. Make sure you clean up!
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Teacher List

Below is a list of potential K-12 teachers. Students may also select schools not provided on the below list.

Elkhan Akhundov
Kenilworth Middle School
7600 Boone Ave
Baton Rouge, LA 70808
eakhundov@kenilworthst.org
8th

Barbara Araneda
McKinley High School
800 E. McKinley St
Baton Rouge, LA 70802
baraneda@ebrschools.org
11th

Adam Barrett
LSU University Lab School
45 Dalrymple Drive
Baton Rouge, LA 70803
abarrett@lsu.edu
6th

Kari Brignac
Lee High School
1105 Lee Dr
Baton Rouge, LA 70808
khull@ebrschools.org
10th

Mary Day
Math, Science, and Arts East Academy
1400 Gordon Simon Leblanc Dr
St Gabriel, LA 70776
maryellenday@ipsb.education
10th

Jean Edwards
Mayfair Laboratory School

9880 Hyacinth Ave
Baton Rouge, LA 70810
jedwards1@ebrpss.k12.la.us
4th

Lezlee Flanders
Episcopal
3200 Woodland Ridge Blvd
Baton Rouge, LA 70816
flandersl@ehsbr.org
8th

Karen Hamilton
Lukeville Upper Elementary School
6141 LA-1
Brusly, LA 70719
Karen.Hamilton@wbrschools.net
4th

Etopia Johnson
Capitol Middle School
5100 Greenwell Springs Rd
Baton Rouge, LA 70806
eemery@eberschools.org
8th

Jill Johnson
Denham Springs Freshman High
940 N Range Ave
Denham Springs, LA 70726
Jill.Johnson@lpsb.org
9th

Stephanie Jordan
The Dunham School
11111 Roy Emerson Dr.
Baton Rouge, LA 70810
stephanie.jordan@dunhamschool.org
6th

John Lappin
Broadmoor High
10100 Goodwood Boulevard

Baton Rouge, LA 70815
JLappin@ebrschools.org
9th

Josetta Leboeuf
Baton Rouge Magnet High School
2825 Government St
Baton Rouge, LA 70806
jleboeuf@ebrschools.org
10th

Jada Lewis
Clifton Chenier Center
Clifton Chenier Center Access Dr
Lafayette, LA 70501
jadal@lsu.edu
5th

Jackie Markey
Airline Park Academy
6201 Camphor St.
Metairie, LA 70003
jackie.markey@jppss.k12.la.us
1st

Donna McCann
Runnels
17255 South Harrell's Ferry Road
Baton Rouge, LA 70816
donn.mcca@runnels.org
8th

Barbara Miller
Lasalle Elementary
8000 LaSalle Ave
Baton Rouge, LA 70806
bmiller@ebrschools.org
K

Rick Mitchell
Christ Presbyterian School
8025 Antioch Rd.

Baton Rouge, LA 70817
orders@copiestoo.com
7th

Lisa Moore
St. Aloysius
2025 Stuart Ave
Baton Rouge, LA 70808
lmoore@aloysius.org
1st

Merrilyn Norem
Our Lady of Prompt Succor
420 21st St.
Alexandria, LA 71303
norem_m@promptsuccor.org
6th

Lori Otts
Zachary High School
4100 School Street
Zachary, LA 70791
Lori.Otts@zacharyschools.org
10th

Jane Pablico
Walker High School
12646 Burgess Ave.
Walker, LA 70785
Jane.Pablico@lpsb.org
11th

Tyler Parker
Parkview Baptist School
5750 Parkview Church Rd
Baton Rouge, LA 70816
8th

Karen Parrino
North Live Oak Elementary
36605 Outback Road
Denham Springs, LA 70706
karen.parrino@lpsb.org

K

Evan Platt
South Baton Rouge Charter Academy
9211 Parkway Dr.
Baton Rouge, LA 70810
EPlatt@sbrcharter.org
2nd

Jennifer Purnell
Plaquemine High School
59595 Belleview Dr
Plaquemine, LA 70764
jenniferpurnell@ipsb.education
10th

Toni Ransome
Cohn Elementary
805 North 14th Street
Port Allen, LA 70767
toni.landry@wbrschools.net
5th

Corey Reimonenq
LSU Laboratory School
45 Dalrymple Drive
Baton Rouge, LA 70803
creimo1@lsu.edu
9th

Latasha Robinson
Mayfair Lab School
9880 Hyacinth Ave
Baton Rouge, LA 70810
lrobinson4@ebrschools.org
1st

Trinice Simms
Progress Elementary School
855 Progress Rd
Baton Rouge, LA 70802
TSimms1@ebrschools.org
4th

Janet Smith
Family Christian Academy
8919 World Ministry Ave
Baton Rouge, LA 70810
janetsmonkeys@gmail.com
1st

Virginia Somers
Kenilworth Science and Technology Charter School
7600 Boone Dr
Baton Rouge, LA 70808
vsomers@kenilworthst.org
8th

Shashi Srivastava
McKinley High
800 E McKinley St
Baton Rouge, LA 70802
Srivastava@ebschools.org
10th

JoAnna Stewart
University Laboratory School
45 Dalrymple Dr
Baton Rouge, LA 70803
jmiket1@lsu.edu
10th

Lauren Switzer
Woodlawn Elementary School
8160 Antioch Rd
Baton Rouge, LA 70817
lswitzer@ebschools.org
3rd

Patrick Turk
Children's Charter School
1143 North St
Baton Rouge, LA 70802
pturk@ccesbr.org
5th

Tabitha Vu
Dutchtown High School
13165 LA-73
Geismar, LA 70734
tabitha.vu@apsb.org
11th

Kimberly Wilson
Immaculate Conception Cathedral School
1536 Ryan Street
Lake Charles, LA 70601
kwilson@iccschool.org
1st

Jonathan Wilson
Lee High 1105 Lee Dr
Baton Rouge, LA 70870
jwilson9@ebrschools.org
11th

Lauren Wolfanger
Albany High School
29700 One Hornet Lane
Albany, LA 70711
lauren.wolfanger@lpsb.org
12th

Armetta Wright
Magnolia Woods Elementary
760 Maxine Dr
Baton Rouge, LA 70808
awright@ebrschools.org
4th