

CCC Partnership Recommendations VOLUNTEERS

As a student volunteer of the Caltech Classroom Connection, there are a few things that we would like to highly encourage you to do to make your partnership mutually beneficial:

- 1) Visit your classroom between 1-4 times a month
- 2) Be willing to commit to your classroom for one year
- 3) Create a science protocol or power point lecture for the CCC to be stored as reference materials for the CCC volunteers (see attached recommendations)

AND/OR

- 4) Create a science kit of a successful project using the \$200 budget (see attached recommendations)
- 5) Communicate your realistic time expectations with your teacher
- 6) Notify the directors if your partnership is not mutually beneficial (i.e., your teacher ignores 3 consecutive communications)
- 7) Come and participate in CCC scheduled meetings
- 8) Realize that there are multiple ways to help out in your class (see attached recommendations)



9) Invite your "cool friends" to be a part of CCC

CCC Partnership Recommendations

TEACHERS

As an educator participating in the Caltech Classroom Connection, there are a few things that we would like to highly encourage you to do to make your partnership mutually beneficial:

- 1) Allow your volunteer to visit the class between 1-4 times a months
- 2) Be willing to commit to the partnership for one year
- 3) Talk to your volunteer to determine the best way to utilize their strengths
- 4) Communicate your realistic time expectations with your volunteer
- 5) Notify the directors if your partnership is not mutually beneficial (i.e, your volunteer ignores 3 consecutive communications or does not come in for six consecutive weeks)
- 6) Come and participate in CCC scheduled meetings
- 7) Realize that there are multiple ways your volunteer can contribute to your class (see attached recommendations)
- 8) Invite your "cool teacher friends" to be a part of CCC



CCC Protocols

The creation of a database of classroom experiments, demos, etc., is one of the goals of the CCC, as it could ease the role of both the volunteers and the teachers. Please aid us in this goal by creating a protocol of a successful project similar to the one outlined below:

NAME OF PROJECT: A descriptive title

GRADE LEVELS APPROPRIATE FOR:

SUBJECT: Biology, Chemistry, Physics, etc.

SUMMARY/STANDARDS ADDRESSED: if PUSD standards are met by this project, please indicate here in addition to a short summary of what the basis is and expected outcomes of the project.

MATERIALS: a short outline of the required materials

METHODS/PROCEDURE: a stepwise outline of how to perform the demo or experiment



CCC Science Kits

The creation of a stock of boxed classroom experiments, demos, etc., is one of the goals of the CCC, as it could ease the role of both the volunteers and the teachers. Please aid us in this goal by creating a science kit of a successful project you performed with your class. Making a kit is as easy as "1,2,3" as seen below:



1. Use a Plastic Box containing all of the materials. The CCC will provide this for you.

2. Include labeled materials required to do the experiment

3. A sheet of directions explaining how to do the experiment



The Multiple Ways Volunteers can Contribute to a Classroom

Interacting with pre-college students can be very exciting and rewarding! We hope that the volunteers gain a classroom experience and that the teacher gains access to resources and supplementation to their curriculum through the partnerships. Below are ideas of what a volunteer can do while participating in the class:

- 1) Give a supplementary lecture on the course material
- 2) Aid in setting up classroom labs
- 3) Perform a demo on a relevant topic
- 4) Give a career talk
- 5) Have a college application discussion
- 6) Talk about graduate school
- 7) Give a talk about your research
- 8) Take the class on a fieldtrip
- 9) Bring the class to your lab
- 10) Give a "show and tell" with some of your research tools
- 11) Act as a role model for the students
- 12) Many many many other ways!

