

2019 North Bay Science Challenge Volunteer Form

our use:	
email	___
program	___
badge	___

Date: Saturday, March 9, 2019 **Site: Lawrence Jones Middle School, Rohnert Park**

Please return this completed Volunteer Form to Mike Roa **a.s.a.p.** (People who submit their early are more likely to be assigned to their chosen event.) You can either:

- preferably:** download, **double click** on the blank lines to complete them, **save**, and email as an **attachment** to Mike Roa at: mroa@sonic.net so that **Mike receives it by Feb. 25.**
or
- Mail the completed form to Mike Roa at 294 Murphy Avenue, Sebastopol, CA 95472 in time to be **received** by **February 25**

Volunteer name: _____ phone: _____

email address: _____

mailing address: _____

Have you supervised an Olympiad or Challenge event before? ___yes ___no If so, which event? _____

Affiliation:

school, company, club, group, etc...(for the Science Challenge program): _____

Are you a high school student? y n If so, what school? _____

grade: ___ Science Teacher: _____ Class: _____

We try to have two or three volunteers assigned to each room/event. It usually takes two to actually "run" the event, but having three makes it easier for volunteers to take a break.

Volunteers often prefer to work with a friend, their high school age child, or a spouse. We are happy to try to accommodate that! If you know of someone else who is interested in volunteering, please have them submit a separate form, but note here that you would like to work with them.

If possible, I would like to work with _____.

Event to supervise/judge: The 2019 Science Challenge events are described on the following page. Please read the descriptions, and indicate below the events that you would be willing to supervise (judge). Mark 1 for first choice, 2 for second, etc. You may mark the same choice/number for more than one event. We will try to give you one of your first four choices, but cannot promise to do so. Thank you for understanding.

_____ No Preference

choice #:

_____ Catapult

_____ Categories

_____ Critters R Us

_____ Describe It, Make It

_____ Investigations

_____ Jeopardy

_____ Nature Relay

_____ Picture This

_____ Taking Flight

_____ Tower of Strength

_____ Whirlybirds

_____ Who Am I?

notes, comments, questions: _____

_____ Naked Egg Drop. Starts at 1:00, need to be there by 12:30 Probably finish around 3:00 or 3:30.

Most events DON'T require much knowledge of science, but the judges of some events would benefit from some science background.

How strong is your life science/biology knowledge? [] very strong [] okay [] not strong at all

How strong is your physical science knowledge? [] very strong [] okay [] not strong at all

Do you speak Spanish? [] no [] yes, well [] yes, a little

PLEASE RETURN PAGE 1 OF THIS FORM TO MIKE ROA BY February 25, 2019!
THANK YOU!!!!

The events in the table below start at 9:00 a.m. Those students/events should finish by 1:00, but judges should plan on a few additional minutes to finish scoring, and to pack up and deliver the materials.

- Shortly before the day of the event, judges will be emailed the *Handbook*, which gives details about events.
- On the day of the event, judges will be given more detailed instructions.
- **There will be an orientation meeting for judges from 8:00-8:30. PLEASE plan to be there on time!**
- At 8:30, judges will go to their assigned rooms to get ready for the students, who will start arriving at the room at 9:00. (Student orientation is from 8:30-9:00.)

Event	Description	Other Notes
Catapult	Students are provided a few simple materials with which they build a catapult. They use the catapult to launch a clay projectile for the greatest distance	1 or 2 judges will supervise the construction of the catapults, including drilling holes as requested by students. 1 or 2 other judges will supervise the launching and measuring the distance traveled.
Categories	Students are given sheets of paper with topics such as mammals, elements, or famous scientists ("categories") across the top. Letters are on the left side of the page. They try to fill in a term starting with the designated letter for each category.	A book will be provided to help the judges decide on the acceptability of the terms that the students use. Like the game "Scattergories."
Critters R Us	The students will attempt to guess the identity of 3 animals by asking yes/no questions, as in the game "20 Questions."	Judges will be provided with information about the 3 animals.
Describe It, Make It	One student is given a structure built from 13 Legos, glued together. The other student is given the same Legos, not glued together. A barrier separates the students so that they cannot see each other. The student with the glued structure describes it and the other tries to replicate it.	Judges will score based on whether the Legos are placed in the correct position.
Jeopardy	As in the TV program Jeopardy, teams of students will be shown an "answer" and they will confer and decide on the question. Their question/answer will be written on a white board.	More than one team may be competing at once. We will provide a key for anticipated answers.
Investigations	Students are given two problems to solve by designing and carrying out experiments and/or making observations. They then write up their experiment and results.	Judges for this event should have some science background.
Nature Relay	Relay style, students will run to a container with skulls, plastic animals, leaves, photographs, etc. The judge will tell and show a term, and the student will select an item that illustrates the term and explain why that item was chosen. For example, a plastic rabbit might represent the term "herbivore," or a leaf might represent "photosynthesis".	Anticipated correct items will be identified for the judges, but students may be able to explain other items satisfactorily. Judge should have some knowledge of natural history / general science.
Picture This	The judge will show a science term to one student who will then draw a picture representing the term while teammates attempt to guess the term. Students take turns drawing.	Like the game "Pictionary."
Taking Flight	A paper airplane is tossed for distance. Ends at noon.	Judges will measure the distance.
Tower of Strength	Students are given simple materials with which they are to build a tower that will support a tennis ball.	Highest tower wins.
Whirlybirds	Students make a paper "helicopter" and drop it from a platform. The helicopter that takes longest to descend from the platform wins. Ends at noon.	One of the judges will need to have a stopwatch (phone with a stopwatch?) for timing.
Who Am I?	Teams of 1 or 2 students. A variety of items such as footprints, scat, leaves, or nests are displayed. Student teams are asked questions based on the items. (What made the nest? How many animals walked by? Name an important use for this plant.)	We will provide a "Key", but volunteers should have some knowledge of natural history so that they can interpret the responses.

Naked Egg Drop: This event requires several judges. Judges should report to the gym at 12:30.

2 judges will supervise the student teams as they build their egg catchers from 1:00-1:15 (approx.)

The competition will start at 1:30. During the competition, we will need:

- 4 people to hold up the "standards" that support a string,
- 2 to help with plumb-bobs when the string gets above eye level
- 2 to be the "egg checkers."