

Overview

Arizona State University's Environmental Health and Safety department is hosting a Biosafety and Biosecurity Month poster contest. The contest is intended to increase interest in the science, technology, engineering and math fields, along with fostering awareness on the topics of biosafety and biosecurity. The contest is open to all Arizona third- through eighth-grade students. The contest includes two divisions:

1. Third- through eighth-grade students will create and submit posters illustrating the theme, "What does biosafety mean to you?"

Scoring system

A 100-point scoring system will be used to determine winners. Posters will be judged on the following criteria:

- 40 points | Overall impact.
 - How effective was the poster in capturing viewers' attention? Did it cause the viewer to reflect on the topic?
- 20 points | Creativity and originality.
 - How well did the visuals convey the message?
- 20 points | Theme.
 - Did the poster relate to the chosen theme and convey a positive approach?
- 10 points | Adherence to contest rules.
- 10 points | Grammar and spelling.

Poster contest winners will be recognized on Tuesday, Oct. 29, 2019, at the ASU Biodesign Institute. Poster contest winners will receive a medal for their achievement.

Contest rules

Contestants must follow the rules stated below to be eligible for consideration.

1. Each contestant must submit a registration packet along with his or her entry.
2. Posters must be no larger than 22" x 28" in size, provide a positive message and be tied to the contest theme. The chosen theme must be included on the poster and spelled correctly. An ASU EHS poster contest entry form is included in this registration packet and must be filled out in its entirety, be legible and attached to the back of the poster.
3. Poster and entry materials must be received by ASU EHS no later than **Friday, Sept. 27, 2019**. Entries postmarked after the deadline may not be accepted.
4. Entries may be mailed to P.O. Box 876412, Tempe, AZ 85287. Entries must be mailed flat. Do not fold, roll or frame your poster. Schools may choose to mail student entries together or individually. Participants will not be reimbursed for postage.

5. Only original artwork will be accepted. Artwork may be done in acrylic, chalk, charcoal, colored pencil, computer generation, crayon, ink, marker, pastels, tempera paint, watercolor, or any combination. If chalk, charcoal or pastels are used, the poster must be laminated. Posters may be in color or black and white.
6. Posters will not be returned by mail. Posters may be picked up by a parent, guardian or school official at the University Services Building located at 1551 S. Rural Road, Tempe, AZ 85281. Posters will not be available for pick up after Nov. 4, 2019. Posters that are not picked up will become the property of ASU EHS.

Dates and deadlines

Submissions | Friday, Sept. 27, 2019.

Mail submissions to:

Arizona State University Environmental Health and Safety

Attn: Darren Bowens

P.O. Box 876412

Tempe, AZ 85287

All entries must be postmarked by Friday, Sept. 27, 2019.

Award notifications | Friday, Oct. 11, 2019.

Recognition | Tuesday, Oct. 29, 2019, at the ASU Biodesign Institute

Contact information

Irene Mendoza, EHS associate biosafety officer and CDC responsible official | 480-965-5347 or Irene.Mendoza@asu.edu.

Darren Bowens, EHS program manager | 480-965- 5443 or Darren.Bowens@asu.edu.

What is Biosafety?

Biosafety is a science combining both **biology** and safety. It focuses on keeping **hazards** involving biological materials such as **viruses** and **bacteria**, which are also called **pathogens** contained wherever they are stored or studied.

Some pathogens can be dangerous and cause diseases in humans and animals, or damage to the environment. Biosafety is important to keep everyone and the environment safe.

What is Biosecurity?

Biosecurity combines both biology and security. It focuses on keeping hazards involving biological materials secure. By only allowing people who are trained to work with pathogens safely, such as scientists, we can help to protect everyone and keep the environment safe. This includes keeping the food and water we eat and drink clean and nontoxic.

Definitions

- **Bacteria** — Tiny, one-celled creatures that have been around for millions of years, even longer than humans have. Bacteria get nutrients directly from their environment in order to live. Some bacteria are not harmful and humans need them in order to get nutrients into the body; these normally live in the intestine.
- **Biology** — The science of life or living matter in all its forms.
- **Hazard** — A danger or a risk.
- **Pathogens** — Any disease producing agent, especially a virus or other microorganism.
- **Virus** — A microscopic infectious agent that replicates within the cells of living host, mainly bacteria, plants and animals.

Biosafety resources

Third- through fifth-grade

- Bucky, Your Science Buddy Presents: [Keeping Scientists Safe](#).
- [Germ Smart – Wash Your Hands!](#)
- [Germ Wars](#) | The story of kids as heroes in preventing germs.
- [How Germs Spread](#) | Explaining the Science for Kids.
- [Preschool Germs](#).
- [Wash your hands before you eat!](#)
- [What are germs?](#) | Kids Health

Sixth- through eighth-grade

- [Ask the Edmonds Cop: What do you do with used needles?](#)
- [SeeANeedle.com](#)

Arizona State University Environmental Health and Safety Biosafety and Biosecurity Month | Poster contest entry form

I wish to enter the ASU EHS Biosafety and Biosecurity Month poster contest. I understand that posters will not be returned by mail. Posters may be picked up by a parent, guardian or school official at ASU Tempe campuses University Services Building located at 1551 S. Rural Road, Tempe, AZ 85281. Posters will not be available for pick up after Nov. 4, 2019. Any posters that are not picked up will become the property of ASU EHS.

Please attach this form to the back of your poster.

Student information

First name Last name

Grade

School Teacher

Parent or guardian information

Home address City

Postal code Email

Telephone number

School information

Principal's name Principal's email

School address School phone