

**Global health** is the [health](#) of populations in the global context. It has been defined as "the area of study, research and practice that places a priority on improving health and achieving equity in [health for all](#) people worldwide". In this Expo category you can choose from a variety of approaches to explore Global Health and global sustainability.

**Each individual or group (2-4 students) should submit:**  
one group Science Background Paper and one group presentation.

**Each member of the group needs to submit their own unique Journal, Interviews, Connections and Collaborations, and Annotated Bibliography.** Students must justify why a team was needed and document the roles and responsibilities fulfilled by each team member, to be included in Connections and Collaborations.

## Category Requirements – 30%

**10 pts.**

**Artist’s Statement/Project Background (1-3 pages)**

**GUIDING QUESTIONS: How does global health issue impact global sustainability?**

**Summary/Abstract:** This is a one-paragraph overview of the project, which is the first thing your reader sees, but the last thing you write. Include a statement of purpose, a brief description of your project, and the main conclusion(s). Highlight the social aspects of the disease, as distinct from the scientific aspects of the disease.

**Introduction:** This section states the purpose of the research and provides information on why you decided to undertake the project.

**Background:** Provide information about the Global Health Issue. This should include, but not be limited to:

Science Background: What is the causal agent, method of infection, mode of attack, symptoms, diagnosis, prognosis, treatment, and immune response.

Current Research: What is the latest scientific research? (2-3 examples).

Social/Societal Impact: How does the issue impact the Global Health community and the sustainability of the global community?

Economic Impact: What kinds of economic impact does the global health issue have? Examine the Global Burden of disease.

Funding for Disease Interventions: What is the current funding for this issue? What is the source of funding for disease interventions?

Summary/ Call to Action:

Summarize the main points of your project. Now that you understand this issue, describe the impact of this issue.

What do you think should be done about the issue? What can people who are interested in helping do?

**20 pts.**

**Multimedia Presentation**

Create a well-crafted, technically proficient, and thought-provoking multimedia presentation. The form of your project and the media you choose should enhance, rather than detract from, its content. Audio segments should be clear, and shots should be carefully edited. The scenes should flow smoothly from shot to shot. Use different types of transitions to help communicate the

	<p>main idea. Use special effects sparingly and with careful emphasis. Your finished product should include credits. Multimedia projects should not exceed 10 minutes in length. Please upload your video(s) to <a href="http://www.youtube.com">www.youtube.com</a> &lt;<a href="http://www.youtube.com/">http://www.youtube.com/</a>&gt; according to the instructions at the end of the multimedia category requirements.</p>
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<b>Science Content– 30%</b>	
<b>30 pts.</b>	<p><b>Science Background (5-8 pages)</b>  The Research Report (see “Category Requirements,” above) should demonstrate a mastery of relevant scientific ideas by accurately explaining the topic of your study. It should show a clear, organized pattern of thinking and provide logical and analytical reasoning. The content of your work should reflect critical thinking about the topic.</p> <p>Students will be judged based on their team’s work, creativity, and understanding of the science behind the project.</p>

<b>Connections and Collaborations; General Written Requirements – 10%</b>	
<b>5 pts.</b>	<p><b>Connections and Collaborations</b></p> <p>In this global partnership, students are resources for each other. Evidence of your collaboration will include 1-2 typed pages describing how you:</p> <ul style="list-style-type: none"> <li>• Jointly identified a global health problem</li> <li>• Read each other’s reports. Include some clarifying questions that you asked</li> <li>• Evidence of communication between groups.</li> </ul> <p>If a qualified adult (i.e. your Expo Mentor, someone you interviewed or a tour guide at site visit) significantly helped you with your project, please include:</p> <ol style="list-style-type: none"> <li>a) The person’s name, title and contact information.</li> <li>b) Dates you emailed, talked on the phone or met.</li> <li>c) Your thoughtful reflections on the experience of working with that person.</li> </ol> <p>This is also the place to describe the different roles and responsibilities of each team member and the rationale behind why each person took their role.</p>
<b>5 pts.</b>	<p><b>Paper Format and Annotated Bibliography</b></p> <p>Papers should be typed/word processed with one-inch margins. Use an easily readable font such as Times Roman or Arial, 10-12 point, double-spaced. If included, illustrations must be neat and applicable, with a title and a source. Number your pages and label section headings. Consistently follow the rules of Standard English for usage, spelling, capitalization, and punctuation.</p> <p>Annotated bibliography should be in standard MLA or APA format. Use a minimum of 5 sources. The bibliography should include all books, papers, journal articles, and communications used in your research. For at least 5 sources, provide one reason why you believe the source is credible and describe how it was used in your project. Acknowledge assistance received from mentors, parents, teachers, and other sources.</p>

<b>Creativity -- 10%</b>	
<b>10 pts.</b>	<p><b>Creativity</b>  Your call to action should show your ability to creatively approach or solve a problem, or present evidence of your understanding in ways that are novel or unique. Your project should reflect your special insights and abilities.</p>

<b>Poster/Interview at Expo Event – 20%</b>
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<b>5 pts.</b>	<p><b>Poster</b> SeaVuria projects should have posters that are more like public service announcements for their topic of interest. These posters will serve as advertisements that would increase awareness about their biological topic.</p> <p>Posters should convey important information about your project in a visually appealing manner. Displays must be freestanding and have the following maximum dimensions: 4 feet width, 2.5 feet depth, and 3 feet height (from table).</p>
<b>15 pts.</b>	<p><b>Interview at Expo/Presentation</b> <i>Judges will be looking at your effectiveness in communicating your project to them, and your understanding of your topic.</i></p> <p>Your judge will want an overview of your project - practice giving a short (2-3-minute) 'walk-through' of your project that explains it in straightforward terms. <i>Your team</i> (not individuals) will receive written feedback from your judge regarding the strengths of your project, and how you could make it even better in the future.</p> <p><i>The following are samples of the types of additional questions a judge might ask you: Why were you interested in this topic? What did you learn from doing your project? What was the most enjoyable/difficult aspect of doing this project? What else would you like to find out about this topic?</i></p>
<b>100 points total</b>	

## What you need to do on or before April 22<sup>nd</sup>, 2018

- Register** for the Student Bio Expo. Student registration will be open between April 2nd with a deadline Sunday midnight April 22<sup>nd</sup>, 2018
- Submit** an electronic copy of your project to NWABR (and your teacher) using the **BOX cloud storage**. Further registration and submission information will be posted at: <https://www.nwabr.org/events-programs/student-events/student-bio-expo>

## What you need to bring to the Expo

Bring a *hard copy* of your written work. Include the following:

- Cover Sheet**
- Science Report**
- Interview Notes**
- Bibliography + Connections and Collaborations**
- Multimedia Presentation**
- Poster**
- Any audio/video equipment needed to view multimedia presentation**

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## YouTube Uploading Instructions

For the Multimedia (ML) category, the judges will view your work on YouTube. You can upload your video at [www.youtube.com](http://www.youtube.com) <<http://www.youtube.com/>> using the following instructions:

1. The maximum video time on YouTube is 10 min. 59 seconds..
2. Once on the main YouTube page, click “Sign In” on the upper right hand corner. Use the following log-in information:  
Username: [bioexpo2018@gmail.com](mailto:bioexpo2018@gmail.com)  
Password: studentbioexpo2018 (Alternatively, use your own Gmail account to upload your video but make sure to label your video as described below.)
3. Upload your video(s) part 1:  
Once signed in:
  - a. Click on the “upload” link at the top right.
  - b. On the next screen, click the “upload video” link and select your video from your saved files.
  - c. In the title section: Type the title of your project. Be sure to include part 1 and part 2 at the end of the title if your video is longer than 10 min. and needs to be broken into parts.
  - d. In the description section type: "A multimedia project for the 2018 Student Bio Expo by (your name)."  
Next type a brief description of your project topic.
  - e. In the tag section type: "Student Bio Expo 2018, 'globalhealth', 'your topic' (eg. Malaria, Drug Resistant TB, Food insecurity etc.)
  - f. Select an appropriate category from the drop-down menu.
  - g. Under Broadcasting and Sharing Options, change the “comments” section to “Don’t allow comments.”  
Leave the other options as they are by default.
  - h. If you have a part 2 or 3, click the "upload video" link again.
  - i. When you are done uploading your videos, click “save changes”.
4. Log out of YouTube and you are done!

# Student Bio Expo

Student Team Name:

Student School:

Project Title:

# Global Health GH

## Judging Criteria

(Judging criteria are explained in the *Student Requirements*)

Superior	Excellent	Good	Developing	Limited
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## Comments

(Please continue on back, if needed)

**What I found particularly impressive about your project:**

**Pre-Judging:**

**Final Judging:**

**What you could do in the future to make it better:**

### Global Health Category Req. (30%)

Background Report (15 pts)

Multimedia Presentation (10 pts)

Journal and Interviews (5 pts)

### Science Content (30%)

Science Content Understanding (30 pts)

### Connections/Written Req. (10%)

Connections and Collaborations (5 pts)

Paper Format; Annotated Bibliography (5 pts)

### Creativity (10%)

Creativity (10 pts)

### Poster/Interview at Expo Event (20%)

Poster (5 pts)

Interview/Presentation (15 pts)

**Overall Rating (circle one)**

Superior

Excellent

Good

Developing

Limited