

<b>Category Requirements – 30%</b>	
<b>10 pts.</b>	<p><b>Artist’s Statement (1-3 pages)</b>                      Describe the media used.                      Provide artistic insight into the work. This could include (but is not limited to) the following:                      What provided the inspiration for the work?                      Why did you make the work? What was the purpose?                      What ideas did you intend to convey? What references are made?                      What do you hope viewers will get out of the piece?                      What did you learn about science from doing this work?  <i>Please feature your Artist’s statement alongside your artwork at the Expo.</i></p>
<b>20 pts.</b>	<p><b>Artistic Strength</b>                      Connect your imagery and symbolism to the intent described in your artist’s statement.                      Create a well-crafted, technically proficient, and thought-provoking artwork. The form of your art and the media you choose should enhance, rather than detract from, its content.</p>

**Science Content– 30%**

**30 pts. Science Background Paper (5-8 pages)**  
 What are the main scientific concepts that your art is based on?  
 For example, if your piece references stem cells, provide information on the science of stem cells. Demonstrate a mastery of relevant scientific ideas by accurately explaining difficult concepts in terms a layperson could understand. The work should provide an appropriate combination of explanations, examples, and details that are specific, clear, and relevant to the topic. The content of your work should reflect critical thinking about the topic.

**Connections and Collaborations; General Written Requirements – 10%**

<b>5 pts.</b>	<p><b>Connections and Collaborations</b>                      Include 1-2 typed pages describing the connections you have made with other people as well as the resources you have used the most. More weight is given in judging to those students who put more effort into locating and using available resources. A good use of resources may include working with an advisor or mentor, making arrangements to tour a company, interviewing an adult in your field, in addition to reading an important paper or uncovering an invaluable website. What did you learn? How did this resource help you? An interview with an adult in the field carries far more weight than a Google search. You do <i>not</i> have to request a mentor through NWABR to excel in this area.</p> <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>
<b>5 pts.</b>	<p><b>Paper Format and Annotated Bibliography</b>                      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.</p>

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## **Creativity -- 10%**

### **10 pts. Creativity**

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.

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## **Interview at Expo Event – 20%**

### **20 pts. Interview**

Art Projects are exempt from the poster requirement - all 20 points will depend on the interview. ***Judges will be looking at your effectiveness in communicating your project to them, and your understanding of your topic.***

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. You will receive written feedback from your judge regarding the strengths of your project, and how you could make it even better in the future.

*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?*

### **100 points total**

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## **What you need to do on or before April 22, 2018**

**Register** for the Student Bio Expo. Student registration will be open between April 2nd and Sunday April 22<sup>nd</sup> midnight, 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>

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## **What you need to bring to the Expo**

In addition to your artwork, bring a *hard copy* of your written work. Include the following:

- Cover Sheet**
- Artwork and Artist's Statement**
- Science Background Paper**
- Bibliography + Connections and Collaborations**

# Art Tips

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## Art From a Place of Knowledge

Ezra Pound claimed that artists were the 'antenna of the race'<sup>1</sup>. Artists help the public to process the significance of new scientific developments and technologies in a unique way. This category is concerned with the alignment of art and science, which are both ways of understanding the world. As Einstein said, "The most beautiful thing we can experience is the mysterious. It is the source of all true art and science. He to whom this emotion is a stranger, who can no longer pause to wonder and stand rapt in awe, is as good as dead: his eyes are closed."<sup>2</sup>

Students who feel that their strongest talents lie in the artistic realm are encouraged to participate in this category. The work should make reference to biotechnology/biomedicine through a theme (cloning, DNA structure, the Human Genome Project, etc.) that is described in detail in the artist's statement. Because of the subjective nature of art, the artist's statement is a critical part of this project.

This is a very challenging category to do well. We recommend you study *ARTNEWS*, *Art in America*, and similar art journals to get an appreciation of the work of contemporary artists.

## Potential Resources

Art Studio Chalkboard: <http://studiochalkboard.evansville.edu/>

Guidance Communications: <http://www.guidancecom.com/alphabet/>

## Range of Projects Accepted

- Pencil
- Pen and Ink
- Pastels
- Watercolor
- Acrylic, Oils
- Photography
- Mixed Media
- Sculptural work

## Theme and Size

- Projects must reference biotech/biomedicine through a theme that is described in detail in the artist's statement.
- Projects must adhere to the maximum size consistent with Expo Guidelines for displayed work (4 feet wide, 2.5 feet deep, and 3 feet high from table).

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<sup>1</sup> Hackett, Regina, *DNA takes on new life in installation 'Banks of Pink and Blue' at the Henry*, Seattle Post-Intelligencer, May 13, 2000.

<http://www.seattlepi.com> (accessed 5/17/00)

<sup>2</sup> Ulam, S.M., *Adventures of a Mathematician*, New York, Charles Scribner's Sons: 1976, p. 289.

# Student Bio Expo

Student Name:

Student School:

Project Title:

# Art AR

<b>Judging Criteria</b> (Judging criteria are explained in the <i>Student Requirements</i> )	Superior	Excellent	Good	Developing	Limited
<b>Art Category Requirements (30%)</b>					
Artist's Statement (10 pts)					
Artistic Strength (20 pts)					
<b>Science Content (30%)</b>					
Science Background Paper (30 pts)					
<b>Connections/Written Req. (10%)</b>					
Connections and Collaborations (5 pts)					
Paper Format & Annotated Bibliography (5 pts)					
<b>Creativity (10%)</b>					
Creativity (10 pts)					
<b>Interview at Expo Event (20%)</b>					
Interview (20 pts)					

## 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:**

Overall Rating (circle one)

Superior

Excellent

Good

Developing

Limited

