

## Instructions for Experiential Posters

Experiential posters describe a student's experience with the practice of science or a particular aspect of a STEM field that the student had not previously appreciated. Experiential posters may describe a short-term experiment or research study, the investigation of a problem of science, or the description of a student STEM experience.

Students will relate the experience to the conclusions drawn, lessons learned, or a discussion of how the experience benefits the student and/or society. Some posters may closely resemble a research project with typical scientific method format (see poster templates) while other experiential posters may focus on the description of the experience and how the experience affected the student's interest in STEM and STEM careers.

All posters should include the following information, arranged in a logical flow (see poster templates):

<b>Background &amp; Significance</b>	<ul style="list-style-type: none"><li>• Clearly describes rationale for the study or experience (Problem statement)</li><li>• Places experience in larger scientific and societal contexts</li><li>• The aim or objectives of the experience (or hypothesis of an experimental study) are identified</li><li>• Benefits, concepts learned, or personal or societal importance of the experience is noted</li></ul>
<b>Description of Experience</b>	<ul style="list-style-type: none"><li>• Clearly and briefly explains methods or experience processes so they are understandable</li><li>• Introduces and defines new terms, concepts, methods</li><li>• Does not assume audience knows research methods or approaches</li><li>• Statistical analyses are appropriate, if applicable</li><li>• Important results or conclusions are noted</li><li>• Discussion includes interpretation of results or benefits of the experience.</li></ul>