

## National ASF Presentation 2025 - Teams

	High Points	Medium Points	Low Points
<b>Knowledge Gained - Student 1</b>  Score: _____	<b>15 to 11</b>	<b>10 to 5</b>	<b>4 to 0</b>
	<ul style="list-style-type: none"> <li>• There is evidence the student has acquired scientific skills and/or knowledge by doing the project.</li> <li>• The student exhibits knowledge of the scope and limitations of the problem selected.</li> <li>• The project demonstrates application of skill attainment with significant measurable impact on the overall project.</li> </ul>	<ul style="list-style-type: none"> <li>• There is some evidence that the student has acquired scientific skills and/or knowledge by doing this project.</li> <li>• The student has limited knowledge of the scope and limitations of the problem selected.</li> <li>• There is some evidence the project demonstrates application of skill attainment with some measurable impact on the overall project.</li> </ul>	<ul style="list-style-type: none"> <li>• There is no evidence that the student has acquired scientific skills and/or knowledge by doing this project.</li> <li>• The student does not recognize the scope and limitations of the problem selected.</li> <li>• There is no evidence of the project demonstrates application of skill attainment with no measurable impact on the overall project.</li> </ul>
<b>Knowledge Gained - Student 2</b>  Score: _____	<b>15 to 11</b>	<b>10 to 5</b>	<b>4 to 0</b>
	<ul style="list-style-type: none"> <li>• There is evidence the student has acquired scientific skills and/or knowledge by doing the project.</li> <li>• The student exhibits knowledge of the scope and limitations of the problem selected.</li> <li>• The project demonstrates application of skill attainment with significant measurable impact on the overall project.</li> </ul>	<ul style="list-style-type: none"> <li>• There is some evidence that the student has acquired scientific skills and/or knowledge by doing this project.</li> <li>• The student has limited knowledge of the scope and limitations of the problem selected.</li> <li>• There is some evidence the project demonstrates application of skill attainment with some measurable impact on the overall project.</li> </ul>	<ul style="list-style-type: none"> <li>• There is no evidence that the student has acquired scientific skills and/or knowledge by doing this project.</li> <li>• The student does not recognize the scope and limitations of the problem selected.</li> <li>• There is no evidence of the project demonstrates application of skill attainment with no measurable impact on the overall project.</li> </ul>
<b>Scientific Research</b>  Score: _____	<b>30 to 22</b>	<b>20 to 10</b>	<b>8 to 0</b>
	<ul style="list-style-type: none"> <li>• The problem is clearly stated.</li> <li>• The students <u>use scientific facts</u> as a basis for new conclusions.</li> <li>• The students are aware of the <u>basic scientific principles</u> that lend support to the methods used and conclusions reached.</li> <li>• The research is the basis for further study.</li> <li>• The appropriate methods and scientific design have been applied.</li> <li>• The students are aware of the empirical method and the importance of controlling the variables in order to reach valid conclusions.</li> </ul>	<ul style="list-style-type: none"> <li>• The problem is not clearly stated.</li> <li>• The students use <u>some scientific facts</u> as a basis for new conclusions.</li> <li>• The students have limited knowledge of the <u>basic scientific principles</u> that lend support to the methods used and conclusions reached.</li> <li>• With some modification, the research could be the basis for further study.</li> <li>• Some of the appropriate methods and scientific design have been applied.</li> <li>• The students are partially aware of the empirical method and the importance of controlling the variables in order to reach valid conclusions.</li> </ul>	<ul style="list-style-type: none"> <li>• The problem is not stated.</li> <li>• The students <u>do not use scientific facts</u> as a basis for new conclusions.</li> <li>• The students are unaware of the <u>basic scientific principles</u> that lend support to the methods used and conclusions reached.</li> <li>• The research cannot be the basis for further study.</li> <li>• Inappropriate methods and a flawed scientific design have been applied.</li> <li>• The students are unaware of the empirical method and do not recognize the importance of controlling the variables in order to reach valid conclusions.</li> </ul>
<b>Collaboration</b>  Score: _____	<b>5 to 4</b>	<b>3 to 2</b>	<b>1 to 0</b>
	<ul style="list-style-type: none"> <li>• There is clear evidence of collaboration.</li> <li>• The students identified portions of the project representing the work of others.</li> </ul>	<ul style="list-style-type: none"> <li>• There is lack of clear evidence of collaboration or the students do not identify portions of the project representing the work of others.</li> </ul>	<ul style="list-style-type: none"> <li>• There is lack of clear evidence of collaboration and the students do not identify portions of the project representing the work of others.</li> </ul>
<b>Peer to Peer Collaboration</b>  Score: _____	<b>10 to 7</b>	<b>6 to 4</b>	<b>3 to 0</b>
	There is clear evidence of collaboration. Both team members are present.  No points will be award if only one team member is present.	Some collaboration is evident.  No points will be award if only one team member is present.	There is lack of evidence of collaboration.  No points will be award if only one team member is present.
<b>Thoroughness/ Information</b>  Score: _____	<b>30 to 22</b>	<b>20 to 10</b>	<b>8 to 0</b>
	<ul style="list-style-type: none"> <li>• Students clearly communicate the original plan and adaptations that may have been made to the study.</li> <li>• Any adaptations made uphold the integrity of the study.</li> <li>• Facts and principles the students state are correct and accurate.</li> <li>• All results of the experiments are reported accurately based on methodology used.</li> <li>• Any errors and weaknesses in the study are identified, if applicable.</li> </ul>	<ul style="list-style-type: none"> <li>• Students partially communicate the original plan and adaptations that may have been made to the study.</li> <li>• Any adaptations made may uphold the integrity of the study.</li> <li>• Facts and principles the students state are partially correct and accurate.</li> <li>• Most results of the experiments are reported accurately based on methodology used.</li> <li>• Most errors and weaknesses in the study are identified, if applicable.</li> </ul>	<ul style="list-style-type: none"> <li>• Students do not communicate the original plan and adaptations that may have been made to the study.</li> <li>• Adaptations made do not uphold the integrity of the study.</li> <li>• Facts and principles the students state are inaccurate.</li> <li>• Results of the experiments are not reported accurately based on methodology used.</li> <li>• Errors and weaknesses in the study are not identified.</li> </ul>

<b>Results/ Conclusions</b>  Score: _____	<b>15 to 11</b> <ul style="list-style-type: none"> <li>• The students use known facts to draw conclusions.</li> <li>• Conclusions are consistent with the data and/or observations presented.</li> <li>• The students clearly share what was learned as a result of the research.</li> <li>• The students effectively communicate the results and impact of the study.</li> </ul>	<b>10 to 5</b> <ul style="list-style-type: none"> <li>• The students use known facts to draw conclusions.</li> <li>• Conclusions are inconsistent with the data and/or observations presented.</li> <li>• The students ineffectively share what was learned as a result of the research.</li> <li>• The students ineffectively communicate the results and impact of the study.</li> </ul>	<b>4 to 0</b> <ul style="list-style-type: none"> <li>• The students do not use known facts to draw conclusions.</li> <li>• Conclusions are inconsistent with the data and/or observations presented.</li> <li>• The students do not share what was learned as a result of the research.</li> <li>• The students do not communicate the results and impact of the study.</li> </ul>
<b>Total: _____ of 120</b>			