

## National ASF Presentation 2025 - Individuals

	High Points	Medium Points	Low Points
<b>Knowledge Gained</b>  Score: _____	<b>30 to 22</b>  <ul style="list-style-type: none"> <li>• There is evidence the student has acquired <u>scientific skills</u> and/or knowledge by doing the project.</li> <li>• The students exhibits knowledge of the scope and limitations of the problem selected.</li> <li>• The project demonstrates application of <u>skill attainment</u> with significant measurable impact on the overall project.</li> </ul>	<b>20 to 10</b>  <ul style="list-style-type: none"> <li>• There is some evidence that the student has acquired <u>scientific skills</u> 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 of demonstration of <u>skill attainment</u> with some measurable impact on the overall project.</li> </ul>	<b>8 to 0</b>  <ul style="list-style-type: none"> <li>• There is no evidence that the student has acquired <u>scientific skills</u> 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 demonstration of <u>skill attainment</u> or impact on the overall project.</li> </ul>
<b>Scientific Research</b>  Score: _____	<b>30 to 22</b>  <ul style="list-style-type: none"> <li>• The problem is clearly stated.</li> <li>• The student uses scientific facts as a basis for new conclusions.</li> <li>• The student is <u>aware of the 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 student is aware of the empirical method and the importance of controlling the variables in order to reach valid conclusions.</li> </ul>	<b>20 to 10</b>  <ul style="list-style-type: none"> <li>• The problem is not clearly stated.</li> <li>• The student uses some scientific facts as a basis for new conclusions.</li> <li>• The student has <u>limited knowledge of the 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 student is partially aware of the empirical method and the importance of controlling the variables in order to reach valid conclusions.</li> </ul>	<b>8 to 0</b>  <ul style="list-style-type: none"> <li>• The problem is not stated.</li> <li>• The student does not use scientific facts as a basis for new conclusions.</li> <li>• The student is unaware of the basic scientific principles 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 student is 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>15 to 11</b>  <ul style="list-style-type: none"> <li>• There is clear evidence of collaboration.</li> <li>• The student identified portions of the project representing the work of others.</li> </ul>	<b>10 to 5</b>  <ul style="list-style-type: none"> <li>• There is lack of clear evidence of collaboration or the student does not identify portions of the project representing the work of others.</li> </ul>	<b>4 to 0</b>  <ul style="list-style-type: none"> <li>• There is lack of clear evidence of collaboration and the student does not identify portions of the project representing the work of others.</li> </ul>
<b>Thoroughness/ Information</b>  Score: _____	<b>30 to 22</b>  <ul style="list-style-type: none"> <li>• Student clearly communicates 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 student states 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>	<b>20 to 10</b>  <ul style="list-style-type: none"> <li>• Student partially communicates 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 student states 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>	<b>8 to 0</b>  <ul style="list-style-type: none"> <li>• Student does 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 student states 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 student uses known facts to draw conclusions.</li> <li>• Conclusions are consistent with the data and/or observations presented.</li> <li>• The student clearly shares what was learned as a result of the research.</li> <li>• The student effectively communicates the results and impact of the study.</li> </ul>	<b>10 to 5</b>  <ul style="list-style-type: none"> <li>• The student uses known facts to draw conclusions.</li> <li>• Conclusions are inconsistent with the data and/or observations presented.</li> <li>• The student ineffectively shares what was learned as a result of the research.</li> <li>• The student ineffectively communicates the results and impact of the study.</li> </ul>	<b>4 to 0</b>  <ul style="list-style-type: none"> <li>• The student does not use known facts to draw conclusions.</li> <li>• Conclusions are inconsistent with the data and/or observations presented.</li> <li>• The student does not share what was learned as a result of the research.</li> <li>• The student does not communicate the results and impact of the study.</li> </ul>
<b>Total: _____ of 120</b>			