

# Research Proposal Evaluation

<b>Scoring</b> <b>Actual /Maximum</b>	<b>Feedback (in the form of comments, not point values) from judges will be provided to students.</b> Please check comment(s) as they apply: <input type="checkbox"/> Strong <input type="checkbox"/> Acceptable <input type="checkbox"/> Weak
<b>Problem definition</b>  ____/10	<b>Problem definition ( 10 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Abstract</b> sufficiently describes the project – problem and goal. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Demonstrates an understanding of <b>scientific problem-solving methods</b> . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Problem</b> was sufficiently framed.
<b>Literature Review</b>  ____/15	<b>Literature review ( 15 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Includes significant <b>research</b> into similar topics. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Incorporates <b>recent sources</b> . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Includes <b>scientific, credible sources</b> .
<b>Understanding of Supporting Information</b>  ____/30	<b>Understanding of supporting information ( 30 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Connection</b> between the literature review and proposal is well-explained. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Previous literature is connected with increasingly more specific studies (“ <b>funnel effect</b> ”). <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Shows <b>written evidence</b> of literature research (lab notebook/ research binder).
<b>Future plans and Ideas</b>  ____/20	<b>Future plans and ideas ( 20 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Research proposal</b> sounds logical and <b>workable</b> . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Scope of project</b> appears to be reasonable. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Proposed methodology incorporates good <b>variables</b> and <b>controls</b> . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Possible <b>alternative approaches</b> to the proposed research are discussed. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Alternative resources</b> available have been identified. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Appropriate supervisor/ <b>mentor</b> has been identified.
<b>Originality and Creativity</b>  ____/ 5	<b>Originality and creativity ( 5 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Area of investigation is <b>original</b> . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Project approach is <b>creative</b> .
<b>Project display</b>  ____/10	<b>Project Display ( 10 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Clearly presents <b>proposed steps</b> and projected data/ results. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Highlights relevant</b> information. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Tables, graphs</b> and <b>illustrations</b> are used effectively. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Poster board is <b>neat/uncluttered</b> .
<b>Oral presentation</b>  ____/10	<b>Oral presentation ( 10 points maximum)</b> <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W <b>Outstanding presentation</b> – well-organized, thorough and clear. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Presentation was <b>well-rehearsed</b> and completed within the allotted <b>time</b> . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Judges’ <b>questions</b> were <b>effectively</b> anticipated and succinctly <b>answered</b> following the initial presentation. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student maintained good <b>eye contact</b> with judges. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student was <b>easy to hear and understand</b> .
<b>Total Points</b>  ____/100	<b>Comments:</b>          