



Young Scientist Awards



JUDGING RUBRIC: STANSW Scientific Investigation, Years K–2

Level	Description
5	<p>The student has provided clear and convincing evidence that he/she:</p> <ul style="list-style-type: none">• actively completed a scientific investigation that incorporated fair testing• had shown originality in the idea and creativity in the investigative methods• had a clear understanding of the relevant science concepts• collected background information and made appropriate predictions• carefully selected suitable materials and equipment• collected meaningful and sufficient data• systematically recorded data and included appropriate graphical display with or without digital technologies• justified strategies and suggested plausible explanations for the results• made valid conclusions that show how the investigation is important• used a logbook to map the progress of the investigation over time• acknowledged all assistance given• used effective language and formatting to communicate with the intended audience
4	<p>The student has provided substantial evidence that he/she:</p> <ul style="list-style-type: none">• participated in a scientific investigation that incorporated fair testing• had shown some creativity in the selection of the idea or in the methodology• outlined the scientific concepts related to the investigation• collected background research with some relevance to the subject of investigation• made a prediction• had considered the final choice of selected materials and equipment• collected relevant and adequate data• correctly recorded data• discussed trends and relationships in data collected• used a logbook to record raw data and tasks performed• listed any assistance given• used appropriate language to communicate with the intended audience
3	<p>The student has provided evidence that he/she:</p> <ul style="list-style-type: none">• participated in a science investigation which incorporated some fair testing• had shown glimpses of creativity• had some understanding of the science concepts related to the investigation• collected fragments of background research• made some sort of prediction• used suitable equipment• collected and recorded relevant data• analysed data and came to a conclusion• included a log book that contains notes and ideas• acknowledged some of the assistance that was given• used consistent language in all documentation

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Level	Description
2	<p>The student has provided evidence that he/she:</p> <ul style="list-style-type: none">• attempted a science investigation with minimal understanding of fair testing• had shown little or no creativity• had little understanding of the science concepts related to the investigation• attempted to make a prediction• collected and recorded some data• offered poor explanations for the data collected• included a log book that is minimal or disorganised• failed to acknowledge assistance given• used language and formatting that did not connect with the intended audience
1	<p>The student has provided evidence that he/she:</p> <ul style="list-style-type: none">• attempted an investigation with no understanding of fair testing• had poor understanding of the science concepts related to the investigation• collected random data• offered explanations that were not related or plausible• did not maintain a suitable log book