## Young Scientist Awards

### JUDGING RUBRIC: STANSW Scientific Investigation - Survey, Years K-2

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
</table>
| 5     | The student has provided clear and convincing evidence that he/she:  
|       | • actively completed a survey of a specific area of interest  
|       | • had shown originality in the selection of site or method of data collection  
|       | • had a clear understanding of the relevant science concepts  
|       | • collected background information  
|       | • carefully selected suitable materials and equipment  
|       | • accurately gathered data in a variety of sample areas  
|       | • systematically recorded data, using an appropriate mapping technique  
|       | • justified strategies and suggested plausible explanations for the data obtained  
|       | • made valid conclusions that explains trends in the samples  
|       | • used a logbook to map the progress of the survey over time  
|       | • acknowledged all assistance given  
|       | • used effective language and formatting to communicate with the intended audience |
| 4     | The student has provided substantial evidence that he/she:  
|       | • participated in a survey of a specific area of interest  
|       | • had shown some creative aspects  
|       | • outlined the scientific concepts related to the survey  
|       | • collected background research with some relevance to the subject of the survey  
|       | • had considered the final choice of selected materials and equipment  
|       | • collected relevant data in more than one sample area  
|       | • recorded data in a coherent fashion  
|       | • 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     | The student has provided evidence that he/she:  
|       | • participated in a survey which incorporated some sampling  
|       | • had shown glimpses of creativity  
|       | • had some understanding of the science concepts related to the survey  
|       | • collected fragments of background research  
|       | • used suitable equipment  
|       | • collected and recorded relevant data  
|       | • analysed data and came to a conclusion  
|       | • included a logbook that contains notes and ideas  
|       | • acknowledged some of the assistance that was given  
|       | • used consistent language in all documentation |
| 2 | The student has provided evidence that he/she:  
|   | • attempted a survey with **minimal understanding** of sampling  
|   | • had shown **little or no** creativity  
|   | • had **little** understanding of the science concepts related to the survey  
|   | • 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 | The student has provided evidence that he/she:  
|   | • attempted a survey with **no understanding** of sampling  
|   | • had **poor** understanding of the **science concepts** related to the survey  
|   | • collected **random** data  
|   | • offered explanations that were not related or plausible  
|   | • **did not maintain** a suitable log book |