## JUDGING RUBRIC: STANSW Scientific Investigation - Survey, Years 3–4

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
</table>
| 5     | The student has provided clear and convincing evidence that he/she:  
      • completed a **well-planned** survey of a specific area of interest  
      • had shown **originality** in the selection of site or method of data collection  
      • had a **good understanding** of the science concepts used in the survey  
      • gathered **relevant** background information  
      • **carefully selected** materials and equipment  
      • **accurately** gathered data in a variety of sample areas that are **representative** of the wider study area  
      • **systematically** recorded data, using an appropriate **mapping** technique  
      • analysed data, performing some form of **distribution analysis**  
      • made **valid** conclusions and suggested ideas for **further survey work**  
      • documented **each stage** of the surveying process in a log book  
      • **acknowledged** all assistance given  
      • used effective **communication skills** taking into account, purpose and audience |
| 4     | The student has provided substantial evidence that he/she:  
      • completed a **planned** survey of a specific area of interest  
      • demonstrated some **innovative** or creative aspects  
      • had **reasonable** understanding of the related science concepts  
      • performed **some relevant** background research  
      • selected **suitable** materials and equipment  
      • gathered data in a **few** sample areas, representative of the wider study area  
      • recorded data using a **suitable** mapping technique  
      • explained **most** trends, patterns and relationships in the data collected  
      • included a log book detailing the different stages of the surveying process  
      • **acknowledged** any assistance given  
      • used **effective** language and formatting to communicate with the intended audience |
| 3     | The student has provided evidence that he/she:  
      • completed a survey containing **elements of detail**  
      • had shown **glimpses** of innovation or creativity  
      • demonstrated an **understanding** of the science concepts used in the survey  
      • performed **some** background research  
      • **used** suitable equipment  
      • collected and recorded **first-hand** data  
      • proposed **sound** explanations for the data collected  
      • provided **supporting** documentation in the accompanying log book  
      • **acknowledged some** of the assistance that was given  
      • used **appropriate** language to communicate with the intended audience |
### JUDGING RUBRIC: STANSW Scientific Investigation - Survey, Years 3–4

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
</table>
| 2     | The student has provided evidence that he/she:  
  - completed a broad survey *without* much *attention to detail*  
  - set the survey in *some sort* of scientific context  
  - collected *fragments* of background research  
  - gathered data but was unable to *clearly* present it  
  - offered *sketchy* explanations for the data collected  
  - presented a logbook that was either *fragmented* or *too brief*  
  - *informally* mentioned 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 a *lack of understanding* of sampling  
  - had *inadequate* understanding of the related science concepts  
  - failed to gather first-hand data  
  - offered explanations for results that could *not be supported*  
  - *did not maintain* a suitable log book  
  - failed to *acknowledge* assistance given |