

 **Young Scientist Awards**

**JUDGING RUBRIC: STANSW Scientific Investigation, Years K-2**

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| Level | Description |
| 5 | The st The student has provided clear and convincing evidence that they:* **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
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|  4 | The st The student has provided substantial evidence that they:* **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
* collectedbackground 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
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| 3 | The st The student has provided evidence that they:* **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 theassistance that was given
* used **consistent** language in all documentation
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**JUDGING RUBRIC: STANSW Scientific Investigation, Years K-2**

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| Level | Description |
| 2 | The st The student has provided evidence that they:* 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
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| 1 | The st The student’s report demonstrates that they:* 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
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