

**Science Targeted Feedback Analysis**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Year 12 Biology**

**Gene Pool Investigation Validation Test**

Mark: \_\_\_\_\_\_\_\_\_ / 40

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|  | • Represent data in meaningful and useful ways, including the use of mean, median, range and probability; organise and analyse data to identify trends, patterns and relationships | • Select, synthesise and use evidence to make and justify conclusions (SIS) | • Communicate to specific audiences and for specific purposes using appropriate language, nomenclature, genres and modes, including scientific reports (SIS) | • Select, construct and use appropriate representations of allele frequencies in gene pools, to communicate conceptual understanding, solve problems and make predictions (SIS) | • Interpret a range of scientific and media texts, and evaluate models, processes, claims and conclusions by considering the quality of available evidence; and use reasoning to construct scientific arguments (SIS) |  |
| Reflection |
| Qu 1 | /3 |  |  |  |  |  |
| Qu2 | /5 |  |  |  |  |  |
| Qu3 |  | /3 |  |  |  |  |
| Qu4 |  |  | /6 |  |  |  |
| Qu5 |  |  |  | /1 |  |  |
| Qu6 |  |  |  | /2 |  |  |
| Qu7 |  |  |  | /2 |  |  |
| Qu8 |  |  |  |  | /2 |  |
| Qu 9 |  |  |  |  | /2 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | • Select, construct and use appropriate representations of allele frequencies in gene pools, to communicate conceptual understanding, solve problems and make predictions (SIS) | • Communicate to specific audiences and for specific purposes using appropriate language, nomenclature, genres and modes, including scientific reports (SIS) | • Select, synthesise and use evidence to make and justify conclusions (SIS) | • Interpret a range of scientific and media texts, and evaluate models, processes, claims and conclusions by considering the quality of available evidence; and use reasoning to construct scientific arguments (SIS) | Reflection |
| Qu10 | /1 |  |  |  |  |
| Qu11 | /3 |  |  |  |  |
| Qu 12 |  | /4 |  |  |  |
| Qu 13 |  |  | /2 |  |  |
| Qu 14 |  |  |  | /4 |  |