# AH

National Qualifications 2024

Mark

**External Assessment**

**Flyleaf**

**X807/77/03**

**Biology**

**Project-Report**

*X8077703*

**Fill in these boxes and sign the candidate declaration below.**

Full name of centre

Town

Forename(s)

Surname

Date of birth

| Day | Month | Year | Scottish candidate number |
|-----|-------|------|---------------------------|

**Candidate declaration**

I confirm that:

- I have read SQA's *Your National Qualifications* booklet and understand its contents.
- I understand that SQA may reduce or cancel my grades where I have not followed the rules specified in the *Your National Qualifications* booklet.
- I understand that SQA may impose a penalty on my award if I have exceeded the maximum word count.
- I understand that this coursework will be submitted to SQA for marking.

Signature _____ Date _____

| Title of Project-Report | Word count (Max 3600) |
|-------------------------|-----------------------|

**For centre completion**

☐ In ticking this box it is confirmed that any potential child welfare concerns arising from the content of the materials enclosed are being or have been addressed.

*X807770301*

**Biology Advanced Higher Project-Report**

| Skills, knowledge and understanding | | Marks Available | Marks Awarded |
|---|---|---|---|
| 1. Abstract | A brief abstract stating the main aim(s) and overall findings/ conclusion(s) | 1 mark | |
| 2. Introduction | a. Clear statement of the aim(s) together with relevant hypotheses | 1 mark | |
| | b. - account of underlying biology is relevant to aim(s)<br>  - biological terms/ideas are explained clearly and accurately<br>  - biological terms/ideas are at an appropriate depth<br>  - biological importance is justified | 4 marks | |
| 3. Procedures | a. Appropriate to aim(s) | 1 mark | |
| | b. Procedure(s) described clearly in sufficient detail to allow the investigation to be repeated | 2 marks | |
| | c. Appropriate controls | 1 mark | |
| | d. Control of confounding variables | 1 mark | |
| | e. Sample size | 1 mark | |
| | f. Independent replication described and a separate data set(s) provided | 1 mark | |
| | g. Justification of how the pilot study informed the final procedure(s) | 1 mark | |
| | h. Complexity, creativity or accuracy | 1 mark | |
| 4. Results | a. Relevant to the aim(s) | 1 mark | |
| | b. Raw data recorded and within limits of accuracy of measurement | 1 mark | |
| | c. Appropriate presentation | 1 mark | |
| | d. Overall results calculated and presented | 1 mark | |
| | e. Presentation of tables and graphs | 2 marks | |
| 5. Discussion | a. Conclusion(s) relevant to the aim(s) and supported by data | 1 mark | |
| | b. Conclusion(s) is/are valid | 1 mark | |
| | c. Evaluation of procedures includes comment, as appropriate, on:<br>  - accuracy/sources of error in measurement<br>  - adequacy of replication/sampling<br>  - adequacy of controls<br>  - the control or monitoring of confounding variables<br>  - solutions to problems and modifications to procedures | 2 marks | |
| | d. Evaluation of results includes, as appropriate:<br>  - analysis of results<br>  - interpretation of results<br>  - critical and scientific discussion of finding(s) | 3 marks | |
| 6. Presentation | a. Appropriate structure, including informative title, contents page and page numbers | 1 mark | |
| | b. References cited in the text and listed using Harvard or Vancouver referencing systems | 1 mark | |
| **Total** | | **30 marks** | |