SE4 Science/Maths Education Project - Mark Sheet

Student:_____   Assessor:_____   Total mark:_____

Marking Criteria	Mark	
Development of proposal [5]		Has the student you developed a valid, interesting research question? Is the methodology proposed consistent with and appropriate to the research question?
Presentation [15]		Has the student given a well-organised, comprehensive account of the most important aspects of their project? Are the visual/aural/software presentation aids clear and comprehensible? Did the student deal well with questions?
Scientific merit of project [45]		Has the student carried out an interesting and insightful piece of work that furthers our knowledge of maths/science education or contributes usefully to the field? Is the rationale for the work clear and are the research questions clearly stated? Are the aims and objectives clearly stated and valid – can they been assessed? Have appropriate research methodologies been used? Are your conclusions supported by the work that you carried out? Is the mathematical/scientific content of your project correct? Are your reviews or other data collection and data analysis methods valid and appropriate?
Literature review [15]		Has previous work on the topic been properly integrated into the project and report? Does this include a broad range of sources on the topic? Have these been read and interpreted in detail and have the most important results and ideas that are in the published literature been identified?
Clarity of structure and content [10]		Is your report clear, comprehensible and well-written? Are diagrams, figures and tables clear and appropriately positioned in your report? Do the different parts of the project link appropriately with one another?
Spelling and grammar [5]		Has due care been taken with spelling and grammar which are crucial components of effective communication? Have the student carefully reviewed their work before submitting it?
Citations and references [5]		Are all sources cited properly in accordance with the Harvard system?
Plagiarism [negative marking applies]		Have the student made sure that they are not presenting someone else's work as their own?

Comments:

Marking Guidelines

The following paragraphs give a rough outline of the characteristics that a project awarded a mark in the band indicated would have. These guidelines are not prescriptive; their purpose is to contribute to the determination of consistent and fair marks for projects that differentiate appropriately between projects of different standards.

85-100 (1st Class Honours)

- The report is very well organised, with appropriate use of sections, sub-sections, paragraphs and appendices, with well-thought-out use of diagrams, figures and tables.
- The report shows excellent use of clear and logical language and arguments.
- The report evidences a very high level of insight and critical thinking in relation to the key issues dealt with in the project.
- The ideas in the report are consistently interesting and original.
- The report makes excellent use of existing literature, providing insightful evaluations and integrating this literature with the project.
- The report shows excellent judgement and understanding in the areas of the selection of research methods, data collection, data analysis and interpretation of research results.

For a mark in this range, the report should show excellence and a high degree of originality in all of the headings listed under Assessment Criteria.

70-84 (1st Class Honours)

- The report is well-organised, with appropriate use of sections, sub-sections, paragraphs and appendices, with well-thought-out use of diagrams, figures and tables.
- The report shows very good use of clear and logical language and arguments.
- The report evidences a high level of insight and critical thinking in relation to the key issues dealt with in the project.
- There are several interesting, original ideas in the report.
- The report makes very good use of existing literature, providing insightful evaluations and integrating this literature with the project.
- The report shows very good judgement and understanding in the areas of the selection of research methods, data collection, data analysis and interpretation of research results.

For a mark in this range, the report should show excellence and originality in most of the headings listed under Assessment Criteria.

55-69 (2nd Class Honours – Grade I, upper Grade II)

- The report is well-organised, with appropriate use of sections, sub-sections, paragraphs and appendices, with well-thought out use of diagrams, figures and tables.
- The report shows good use of clear and logical language and arguments.

- The report evidences a good level of insight and critical thinking in relation to the key issues dealt with in the project.
- There are some interesting, original ideas in the report.
- The report makes good use of existing literature, providing insightful evaluations and integrating this literature with the project.
- The report shows good judgement and understanding in the areas of the selection of research methods, data collection, data analysis and interpretation of research results.

For a mark in this range, the report should show a good level of attainment and some degree of originality in all of the headings listed under Assessment Criteria.

40-54 (2nd Class Honours – lower Grade I, 3rd Class Honours)

- The report is adequately organised, with appropriate use of sections, sub-sections, paragraphs and appendices, with well-thought out use of diagrams, figures and tables.
- The report shows adequate use of clear and logical language and arguments.
- The report evidences a reasonable level of insight and critical thinking in relation to the key issues dealt with in the project.
- The report contains some interesting ideas, but these are not necessarily original.
- The report makes use of existing literature, providing some evaluation and integrating this literature with the project.
- The report shows adequate judgement and understanding in the areas of the selection of research methods, data collection, data analysis and interpretation of research results.

For a mark in this range, the report should show an adequate level of attainment in all of the headings listed under Assessment Criteria.

0-39 (Fail)

- The report is poorly organised and lacks appropriate use of sections, sub-sections, paragraphs and appendices. The use of diagrams, figures and tables is poorly thought out.
- The language and arguments of the report lack clarity.
- The report lacks evidence of insight and critical thinking in relation to the key issues dealt with in the project.
- There is a lack of interesting ideas in the report.
- The report does not make appropriate use of existing literature, failing to evaluate this literature and fails to integrate it into the project.
- The report shows poor judgement and understanding in the areas of the selection of research methods, data collection, data analysis and interpretation of research results.

Marks in this range will be awarded to project reports that fail to show adequate levels of attainment in the headings listed under Assessment Criteria.