



CARIBBEAN EXAMINATIONS COUNCIL

CARIBBEAN SECONDARY EDUCATION CERTIFICATE®

SCHOOL BASED ASSESSMENT

MARKING SCHEME FOR RESEARCH PROJECT

ADDITIONAL MATHEMATICS

Project A

Project Descriptors	CK	AK	R
Project Title			
<ul style="list-style-type: none"> Title is clear and concise, and relates to real-world problems 	1		
Purpose of Project/Problem Statement			
<ul style="list-style-type: none"> Purpose is clearly stated and is appropriate in level of difficulty 	1		
Mathematical Formulation			
<ul style="list-style-type: none"> Identifies all the important elements of the problem and shows complete understanding of the relationships among elements 			1
<ul style="list-style-type: none"> Shows complete understanding of the problem's mathematical concepts and principles 		1	
<ul style="list-style-type: none"> Uses appropriate mathematical terminology and notations to model the problem mathematically 		1	
<ul style="list-style-type: none"> Uses appropriate Mathematical model/methods chosen 		1	
The Problem Solution			
<ul style="list-style-type: none"> Assumptions are clearly stated 			1
<ul style="list-style-type: none"> Proofs are well established 			1
<ul style="list-style-type: none"> Diagrams are appropriate and clearly labelled 		1	
<ul style="list-style-type: none"> Explanations are sufficient and clearly expressed 			1
<ul style="list-style-type: none"> Theorems are appropriate and Formulae are relevant to the solution 		1	
<ul style="list-style-type: none"> Calculations are precise without errors 		1	
<ul style="list-style-type: none"> Solution is clearly stated 			1
Application of Solution			
<ul style="list-style-type: none"> Applies the solution or proof to the given real world problem 			1
<ul style="list-style-type: none"> Shows that solution or proof to given problem is valid 			1
Discussion of Findings/Conclusion			
<ul style="list-style-type: none"> Discussion is worthwhile 			1
<ul style="list-style-type: none"> Conclusion is valid and useful 			1
<ul style="list-style-type: none"> Suggestions for future analysis in related areas are incorporated 			1
Overall Presentation			
<ul style="list-style-type: none"> Presentation is clear and communicates information in a logical way using correct grammar, mathematical jargon and symbols (2) Communicates information in a logical way using correct grammar, mathematical jargon and symbols some of the time. (1) 	2		
TOTAL (20)	4	6	10
CK – Conceptual Knowledge AK = Algorithmic Knowledge R = Reasoning			