



Maths Talent Quest 2011 - Judging criteria and scoring

Category		High	Score	Medium	Score	Low	Score	Not Evident	Score
1. Communication	A Investigative approach	The investigation has explicit aims, a thorough plan and clearly stated conclusions.	4	The investigation is relatively clear with a statement of, a planned approach and a conclusion.	3	Some of the following are included: an aim, a plan and a conclusion.	2	No aim is stated, planning for the investigation is unclear and conclusions are not evident.	0
	B Mathematical terminology	Precise and appropriate mathematical terminology and notation is used.	4	A reasonable level of mathematical terminology and notation is used.	3	Some mathematical terminology and notation is included.	2	No evidence of mathematical terminology.	0
	C Explanations	Explanations of the mathematical investigation are very clear and effectively detailed.	4	Explanations of the mathematical investigation with reasonably detailed.	3	Explanations of the mathematical investigation are incomplete or ineffective.	2	The explanation of the mathematical investigation cannot be understood.	0
	D Evidence	There is vast supporting evidence that the investigation is the students' own work. This could include rough workings or mathematics in a learning journal.	4	There is some supporting that the investigation is the students' own work. This could include rough workings or mathematics in a learning journal.	3	There is little supporting that the investigation is the students' own work. This could include rough workings or mathematics in a learning journal.	2	There is no evidence that the work completed is the students' own work.	0

Category		High	Score	Medium	Score	Low	Score	Not evident	Score
2. Understanding	A Investigation	Demonstrates thorough understandings of the investigation. Applies concepts that are appropriate to the student/s' level.	4	Demonstrates a reasonable level of understanding of the investigation, which are mostly appropriate to the student/s' level	3	Demonstrates some understanding of the investigation but not at a level appropriate to the student/s.	2	Little or no evidence of understanding of the investigation.	0
	B Strategies	Uses correct and efficient mathematical strategies to achieve a solution.	4	Uses suitable mathematical strategies to achieve the solution.	3	Chooses a partially correct strategy OR a correct strategy for only part of the task.	2	Chooses incorrect or unsuitable strategies OR no strategy is evident.	0
	C Connections	Recognises and makes relevant high-level mathematical connections. Applies connections between mathematical concepts and between mathematics and the	4	Makes some relevant mathematical connections and relationships between concepts.	3	Makes mathematical connections but they show limited relevance to the investigation.	2	Does not make mathematical connections.	0
	D Accurate mathematics	Consistently uses accurate mathematics in completing the investigation.	4	Often uses accurate mathematics in completing the investigation	3	Shows some accurate mathematics in completing the investigation.	2	Mathematics is inaccurate.	0

Category		High	Score	Medium	Score	Low	Score	Not Evident	Score
3. Ideas and resources	A Originality	The investigation is a highly original piece of work in which students investigate an interesting and novel mathematical concept.	4	The investigation is an original piece of work in which students investigate a novel mathematical concept.	3	The investigation is an original piece of work in which students investigate a mathematical concept.	2	The investigation is not an original idea	0
	B Strategies	Contains clear and complete list that acknowledges sources for support of student learning (such as parent and teachers assistance) along with references (if applicable) to the use of existing information sources (such as internet, library books etc.).	4	Contains a list that acknowledges sources of support for student learning along with references (if applicable) to the use of existing information sources	3	There is some acknowledgment of sources for support of student learning along with references (if applicable) to the use of existing information sources.	2	No acknowledgements or references of support are listed.	0
4. Presentation	A Legibility	The investigation is very well organised and highly legible. The presentation captures and holds the reader's interest.	4	The investigation is well organised and legible. The presentation captures and holds the reader's interest.	3	The investigation is organised and legible but does not hold the readers interest.	2	The project does not meet entry requirements for legibility.	0

MAXIMUM POSSIBLE SCORE = 44