

Appendix I

Expectation	Level 1	Level 2	Level 3	Level 4
Initiating and Planning				
Formulate relevant scientific questions about problems or issues, make informed decisions.	uses initiating and planning skills and strategies with limited effectiveness	uses initiating and planning skills and strategies with some effectiveness	uses initiating and planning skills and strategies with considerable effectiveness	uses initiating and planning skills and strategies with a high degree of effectiveness
Performing and Recording				
Select, organize, and record relevant information on research topics using suitable format.	expresses and organizes ideas and information with limited effectiveness	expresses and organizes ideas and information with some effectiveness	expresses and organizes ideas and information with considerable effectiveness	expresses and organizes ideas and information with a high degree of effectiveness
Analysing and Interpreting				
Analyze the information gathered from sources for logic, accuracy, reliability, adequacy, and bias.	Analyzes information with limited effectiveness.	Analyzes information with some effectiveness.	Analyzes information with considerable effectiveness.	Analyzes information with a high degree of effectiveness.
Draw conclusions based on inquiry results and research finding, and justify their conclusions with references to scientific knowledge	Draws conclusions between science, technology and society with limited effectiveness	Draws conclusions between science, technology and society with some effectiveness	Draws conclusions between science, technology and society with considerable effectiveness	Draws conclusions between science, technology and society with a high degree of effectiveness
Communicating				
Communicate ideas and conclusions in writing using appropriate language.	Communicates ideas with limited effectiveness.	Communicates ideas with some effectiveness.	Communicates ideas with considerable effectiveness.	Communicates ideas with a high degree of effectiveness.