Marking Rubric: Scientific Investigation (Due: Term 4Week 4)

Course Outcomes		A 5	B 4	C 3	D 2	E 1	0	WS Total
	Sections from assessment task	Has achieved a very high level of competence in the processes and skills and can apply these skills to new situations. (OUTSTANDING)	A high level of competence in the processes and skills. In addition, the student is able to apply these skills to most situations. (HIGH)	An adequate level of competence in the processes and skills. (SOUND)	A limited level of competence in the processes and skills. (BASIC)	Very limited competence in some of the processes and skills. (LIMITED)	Not attempted	
Planning Part 1	Aim				2 Correctly identifies an AIM	1 Partly identifies an AIM	0	WS4
	Hypothesis			3 Hypothesis is correctly written with IF and THEN statement and variable the write way	2 Hypothesis is correctly written with IF and THEN statement and variable the wrong way	l Hypothesis is correct but in general terms of format	0	
	Variables			3 At least 3 variables are identify	2 2 variables identified	1 1 variable identifies	0	/8
Planning Part 2 Method	Method	10 – 9 Method includes all the detail required for a correct method. Steps Third person Past tense Measured variables x2 Experimental control Experimental variables Repetition	8 – 7 Method includes nearly all the detail required for a correct method. Steps Third person Past tense Measured variables x2 Experimental	6 – 5 Method includes most of the detail required for a correct method. Steps Third person Past tense Measured variables x2 Experimental	4 – 3 Method includes some of the detail required for a correct method. Steps Third person Past tense Measured variables x2 Experimental	2 – 1 Method includes limited detail required for a correct method. Steps Third person Past tense Measured variables x2 Experimental	0	WS 5
		accuracy	control Experimental variables Repetition accuracy	control Experimental variables Repetition accuracy	control Experimental variables Repetition accuracy	control Experimental variables Repetition accuracy		/10

Course Outcomes		Α	B	C	D	E	0	WS
		5	4	3	2	1		Total
	Sections from assessment task	Has achieved a very high level of competence in the processes and skills and can apply these skills to new situations. (OUTSTANDING)	A high level of competence in the processes and skills. In addition, the student is able to apply these skills to most situations. (HIGH)	An adequate level of competence in the processes and skills. (SOUND)	A limited level of competence in the processes and skills. (BASIC)	Very limited competence in some of the processes and skills. (LIMITED)	Not attempted	
Conducting the		10 -9	8-7	6-5	4-3	2-1		WS7
Experiment	Results	Results table includes everything required for a correct table. Column heading x 2 Column units x 2 Many results x 2 Experimental control column Averages correct	Results table includes most things required for a correct table. Column heading x 2 Column units x 2 Many results x 2 Experimental	Results table includes many things required for a correct table. Column heading x 2 Column units x 2 Many results x 2 Experimental	Results table includes some things for a correct table. Column heading x 2 Column units x 2 Many results x 2 Experimental	Results table includes limited things required for a correct table. Column heading x 2 Column units x 2 Many results x 2 Experimental		/10
		Averages correct	control column Averages correct	control column Averages correct	control column Averages correct	control column Averages correct		/10
Conducting the Experiment	Graph	10 -9 Graph includes everything required for a correct graph. Heading Axis heading x 2 Axis units x 2 Scale correct x 2 Results plotted correctly Line of best fit	8-7 Graph includes everything required for a correct graph. Heading Axis heading x 2 Axis units x 2 Scale correct x 2 Results plotted correctly Line of best fit	6-5 Graph includes everything required for a correct graph. Heading Axis heading x 2 Axis units x 2 Scale correct x 2 Results plotted correctly Line of best fit	4-3 Graph includes everything required for a correct graph. Heading Axis heading x 2 Axis units x 2 Scale correct x 2 Results plotted correctly Line of best fit	2-1 Graph includes everything required for a correct graph. Heading Axis heading x 2 Axis units x 2 Scale correct x 2 Results plotted correctly Line of best fit		WS7 /10
Analysing the experiment	Discussion (Marked allocated to each question on sheet)	17 -15	14-12	11-6	5-2	2-1		WS 9 /17
Analysing the experiment	Conclusion (Marked allocated to each question on sheet)	5	4	3	2	1		WS 9 5
Result	Grade Total	Α	В	C	D	E		

Comments:
