

DESIGN				
Levels/ Mark Values	Aspect 1	Aspect 2	Aspect 3	Mark
	Defining the problem & selecting variables	Controlling variables	Developing a method for collection of data	
Complete/2	Formulates a focused problem/research question & identifies relevant variables	Designs a method for the effective control of the variables	Develops a method that allows for the collection of sufficient relevant data	
Partial/1	Formulates a problem/research question that is incomplete or identifies only some relevant variables	Designs a method that makes some attempt to control the variables	Develops a method that allows for the collection of insufficient relevant data	
Not at all/0	Does not identify a problem/research question and does not identify any relevant variables	Designs a method that does not control the variables	Develops a method that does not allow for any relevant data to be collected	
DATA COLLECTION AND PROCESSING				
Levels/ Mark Values	Aspect 1	Aspect 2	Aspect 3	Mark
	Recording the raw data	Processing raw data	Presenting processed data	
Complete/2	Records appropriate quantitative and associated qualitative raw data, including units & uncertainties where relevant	Processes the quantitative raw data correctly	Presents processed data appropriately and, where relevant, includes errors and uncertainties	
Partial/1	Records appropriate quantitative and associated qualitative raw data, but with some mistakes or omissions	Processes quantitative raw data, but with some mistakes and/or omissions	Presents processed data appropriately, but with some mistakes and/or omissions	
Not at all/0	Does not record any appropriate quantitative data or raw data is incomprehensible	No processing of quantitative raw data is carried out or major mistakes are made in processing	Presents processed data inappropriately or incomprehensibly	
CONCLUSION AND EVALUATION				
Levels/ Mark Values	Aspect 1	Aspect 2	Aspect 3	Mark
	Concluding	Evaluating procedure(s)	Improving the Investigation	
Complete/2	States a conclusion, with justification, based on a reasonable interpretation of the data	Evaluated weaknesses and limitations	Suggests realistic improvements in respect of identified weaknesses and limitations	
Partial/1	States a conclusion based on a reasonable interpretation of the data	Identifies some weaknesses and limitations, but the evaluation is weak or missing	Suggests only superficial improvements	
Not at all/0	States no conclusion or the conclusion is based on an unreasonable interpretation of the data	Identifies irrelevant weaknesses and limitations	Suggests unrealistic improvements	
NUTS AND BOLTS				
All Lab sections are represented (Introduction, Materials and Methods, Data, Analysis)		YES / NO		
All Lab sections are presented in the correct order		YES / NO		
Tables, Figures, and Graphs are all given descriptive titles		YES / NO		
Tables, Figures, and Graphs are all presented using quality construction (straight edges, ink or pencil when appropriate, neat work, graph paper)		YES / NO		

DESIGN				
Levels/ Mark Values	Aspect 1	Aspect 2	Aspect 3	Mark
	Defining the problem & selecting variables	Controlling variables	Developing a method for collection of data	
Complete/2	Formulates a focused problem/research question & identifies relevant variables	Designs a method for the effective control of the variables	Develops a method that allows for the collection of sufficient relevant data	
Partial/1	Formulates a problem/research question that is incomplete or identifies only some relevant variables	Designs a method that makes some attempt to control the variables	Develops a method that allows for the collection of insufficient relevant data	
Not at all/0	Does not identify a problem/research question and does not identify any relevant variables	Designs a method that does not control the variables	Develops a method that does not allow for any relevant data to be collected	
DATA COLLECTION AND PROCESSING				
Levels/ Mark Values	Aspect 1	Aspect 2	Aspect 3	Mark
	Recording the raw data	Processing raw data	Presenting processed data	
Complete/2	Records appropriate quantitative and associated qualitative raw data, including units & uncertainties where relevant	Processes the quantitative raw data correctly	Presents processed data appropriately and, where relevant, includes errors and uncertainties	
Partial/1	Records appropriate quantitative and associated qualitative raw data, but with some mistakes or omissions	Processes quantitative raw data, but with some mistakes and/or omissions	Presents processed data appropriately, but with some mistakes and/or omissions	
Not at all/0	Does not record any appropriate quantitative data or raw data is incomprehensible	No processing of quantitative raw data is carried out or major mistakes are made in processing	Presents processed data inappropriately or incomprehensibly	
CONCLUSION AND EVALUATION				
Levels/ Mark Values	Aspect 1	Aspect 2	Aspect 3	Mark
	Concluding	Evaluating procedure(s)	Improving the Investigation	
Complete/2	States a conclusion, with justification, based on a reasonable interpretation of the data	Evaluated weaknesses and limitations	Suggests realistic improvements in respect of identified weaknesses and limitations	
Partial/1	States a conclusion based on a reasonable interpretation of the data	Identifies some weaknesses and limitations, but the evaluation is weak or missing	Suggests only superficial improvements	
Not at all/0	States no conclusion or the conclusion is based on an unreasonable interpretation of the data	Identifies irrelevant weaknesses and limitations	Suggests unrealistic improvements	
NUTS AND BOLTS				
All Lab sections are represented (Introduction, Materials and Methods, Data, Analysis)		YES / NO		
All Lab sections are presented in the correct order		YES / NO		
Tables, Figures, and Graphs are all given descriptive titles		YES / NO		
Tables, Figures, and Graphs are all presented using quality construction (straight edges, ink or pencil when appropriate, neat work, graph paper)		YES / NO		

