

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding	No list is provided of the dependent, independent, and control variables.	A list of some of the dependent, independent, and control variables is provided.	A list of the dependent, independent, and control variables is provided.	A detailed list of the dependent, independent, and control variables is provided.
Thinking and Investigation	The hypothesis is not testable and is written with little clarity.	The hypothesis is not testable and is written with some clarity.	The hypothesis is testable and is written with considerable clarity.	The hypothesis is testable and is very clearly written.
	List of equipment and materials is not provided.	List of equipment and materials is provided.	List of equipment and materials is complete.	List of equipment and materials is very complete.
	A step-by-step procedure is included that controls few of the variables.	A step-by-step procedure is included that controls few of the variables.	A step-by-step procedure is included that controls some of the variables.	A step-by-step procedure is included that controls as many variables as possible.
	Conducts the experiment, carrying out the procedure safely and recording data accurately with limited effectiveness.	Conducts the experiment, carrying out the procedure safely and recording data accurately with some effectiveness.	Conducts the experiment, carrying out the procedure safely and recording data accurately with considerable effectiveness.	Conducts the experiment, carrying out the procedure safely and recording data accurately.

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Communication	Information is organized with limited effectiveness.	Information is organized with some effectiveness.	Information is organized with considerable effectiveness.	Information is organized with a high degree of effectiveness.
	Few results are recorded in a table and graphs may be lacking.	Some results are recorded in a table and summarized using a graph.	Results are recorded in a table and summarized using a graph.	Results are neatly recorded in a table and correctly summarized using a graph.
	Opinion piece is not included and there is little evidence of research.	Opinion piece is included and opinion is not well supported with research and experimental evidence.	Opinion piece well written and opinion is supported with research and experimental evidence.	Opinion piece well written and opinion is well supported with research and experimental evidence.
Application	Makes few connections between results and government grants.	Makes some connections between results and government grants.	Makes connections between results and government grants.	Effectively makes connections between results and government grants.