

Achievement Chart Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding	Little detail is provided in the comparison of light generated by conventional technologies and light generated by LEDs.	Some comparison is made of light generated by conventional technologies and light generated by LEDs.	An organized comparison is made of light generated by conventional technologies and light generated by LEDs.	A detailed comparison is made of light generated by conventional technologies and light generated by LEDs.
Thinking and Investigation	Used few resources to research LED technology from one of view.	Used some resources to research LED technology from limited points of view.	Used a variety of resources to research LED technology from economic, scientific, and social points of view.	Used numerous resources to research LED technology from economic, scientific, and social points of view.
Communication	Includes information from a variety of sources using an accepted form of academic documentation with limited effectiveness.	Includes information from a variety of sources using an accepted form of academic documentation with some effectiveness.	Includes information from a variety of sources using an accepted form of academic documentation with considerable effectiveness.	Includes information from a variety of sources using an accepted form of academic documentation with a high degree of effectiveness.
	Uses scientific vocabulary with limited effectiveness	Uses scientific vocabulary with some effectiveness.	Uses scientific vocabulary with considerable effectiveness.	Uses scientific vocabulary with a high degree of effectiveness.

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	Selected a format for presenting the recommendation that gave little consideration to the purpose and audience.	Selected a format for presenting the recommendation that gave some consideration to the purpose and audience.	Selected an appropriate format for presenting the recommendation that considered purpose and audience.	Selected a very appropriate format for presenting the recommendation that considered purpose and audience.
Application	Little research conducted into costs and benefits of LED technology demonstrated with little consideration given to multiple perspectives.	Some research conducted into costs and benefits of LED technology demonstrated with some consideration given to multiple perspectives.	Costs and benefits of LED technology researched and examined from multiple perspectives	Costs and benefits of LED technology well-researched and examined from multiple perspectives