

## Rubrics for Physics 112 Reports

The reports (1 and 3) include the following two items:

	Excellent (4)	Good (3)	Fair (2)	Poor (1)	N/A (0)
<b>Spelling, Grammar and References</b>	Several references. No spelling or grammatical errors	Several references. Few spelling or grammatical errors	Only two references. Few spelling or grammatical errors	Only one reference OR several spelling or grammatical errors	No references OR many spelling or grammatical errors
<b>Style (including introduction, conclusion, flow of the article, etc.)</b>	All elements present. Article reads well. Information is clear and accurate.	All elements present. Article flows smoothly, but some things unclear or inaccurate.	All elements present. Article flows poorly. Some things unclear or inaccurate.	Missing either introduction or conclusion.	No introduction or conclusion.

In addition, each project will be evaluated on the following elements:

### Project I

	Excellent (4)	Good (3)	Fair (2)	Poor (1)	N/A (0)
<b>Description of Technology</b>	Technology described very well as it relates to autos	A good description of the technology	A fair description of the technology	A poor description of the technology	Technology is not described
<b>Description of the Physics</b>	An excellent description of how the technology works using physics terminology	A good description of how the technology works using physics terminology	A fair description of how the technology works, physics terminology lacking.	A poor description of the physics	No description of the physics
<b>Description of the Safety</b>	An excellent description of how autos are safer because of this technology	A good description of how this improves safety	A fair description of how this improves safety	A poor description of how this improves safety	No description of how this improves safety

## Project II

	Excellent (4)	Good (3)	Fair (2)	Poor (1)	N/A (0)
<b>Function of Energy Source</b>	The energy source can successfully power the LED for 2 minutes	The energy source can successfully power the LED for 1 minute	The energy source powers the LED intermittently	The energy source is only able to light the source after some adjustments	The energy source is unable to light the LED
<b>Appearance</b>	A strong effort has been made to make it look like a commercial product	The energy source looks like a finished product, not as polished as it could be	The energy source looks rough will little thought of appearance	The energy source is messy and looks thrown together	There is no energy source
<b>Spelling, Grammar and References</b>	Several references. No spelling or grammatical errors	Several references. Few spelling or grammatical errors	Only two references. Few spelling or grammatical errors	Only one reference OR several spelling or grammatical errors	No references OR many spelling or grammatical errors
<b>Explanation</b>	The explanation of how the source works is thorough and accurate	The explanation is missing a minor component but material is accurate	The explanation has a major omission or inaccuracy	The explanation is poor or many inaccuracies	There is no real attempt at an explanation
<b>Material List and Diagram</b>	The material list and diagram are complete, neat and accurate	The material list is incomplete, diagram is accurate	Multiple items missing from the material list or diagram is incomplete or inaccurate	No material list or no diagram	No material list and no diagram

## Project III

	Excellent (4)	Good (3)	Fair (2)	Poor (1)	N/A (0)
<b>Identification of the instrument and the physics to be discussed</b>	Very well done. Physics is correctly identified	Good work. Physics is reasonable	There is a fair connection between the instrument and the physics identified	The physics is not identified or incorrect	Instrument and physics not identified
<b>Explanation of the Physics</b>	The physics is well explained	A good explanation of the physics	A fair explanation of the physics	A poor explanation of the physics	No explanation of the physics
<b>Explanation of Terms and Formulae</b>	New terms/formulae are accurate and well explained	Most terms/formulae are accurate and explained	A few terms/formulae are accurate and explained	Many terms/formulae are inaccurate or poorly explained	No explanation of terms/formulae