

Name: _____

Grade and Section: _____ Date: _____

WEEK 6. CREATE YOUR OWN ELECTRIC MOTOR

Direction: Your class will be grouped accordingly. Using a battery and copper wires, build your own electric motor. Take a video of the group while doing the project and explain all the concepts related to electric motors to your created video. Follow this link for procedure: <https://www.education.com/science-fair/article/no-frills-motor/>

	Excellent (5pts)	Good (4pts)	Fair (3 pts)	Poor (2pts)
Procedure	Steps of the experiment are clearly stated so that another person can perform the experiment.	Steps of the experiment are stated but minor details are missing so that another person would have trouble performing the experiment.	Steps of the experiment are unclear or missing so that another person would not be able to perform the experiment.	Steps of the experiment are not included.
Conclusion	Clear and concise conclusions are given. Conclusion addresses problem and states knowledge gained. Conclusion and hypothesis are plainly connected.	Conclusions are present and complete, knowledge gained is present, but not clear and concise. Hypothesis and conclusion are plainly connected.	Missing some parts of conclusion or knowledge gained. Connection between conclusion and hypothesis is not entirely clear.	Missing conclusion completely, or conclusion and hypothesis are not connected.
Presentation	Student presents all elements of experimental design so that it is exact,	Student presents all elements of experimental design.	Student presents most elements of experimental design and is missing components	Student presentation is missing most elements of experimental design. Detail is also lacking.

	specific, and detailed. Student goes above and beyond expectations.		that make presentation exact, specific, and detailed.	
Overall Impact	The presentation of the project is original, creative, and demonstrates comprehension through illustrations, details, and visual aids.	The presentation/layout of the project provides effective illustration and visual aids to demonstrate comprehension.	The presentation/layout of the project lacks creativity and has limited incorporation of effective visual aids	The presentation/layout of the project was not typed and was missing all aspects of the wow factor.