



Teacher's Rubric

	<u>Below Standards</u>	<u>Approaching Standards</u>	<u>Meeting Standards</u>	<u>Exceeding Standards</u>
Transistors	<p>-Can not articulate the function of a transistor as a switch or as an amplifier.</p> <p>-Can not connect that transistors have computational capabilities.</p> <p>-Is only able to see transistor as component of a circuit board but does not understand the functionality.</p> <p>-Does not understand electrical engineering is a way of controlling electricity.</p>	<p>-Can identify that transistor functions as either a switch or an amplifier.</p> <p>-Can identify that transistors are parts of computing systems.</p> <p>-Understands that transistor are a part of a larger system but can only relate how a few components work or interact together.</p> <p>-Understands electrical engineering is a way of controlling electricity.</p>	<p>-Can identify that transistor functions as both a switch and an amplifier.</p> <p>-Can identify that transistors make up the central processing unit of a computer system.</p> <p>-Understands that transistors are a part of a larger system and is able to relate how most components work and interact.</p> <p>-Understands electrical engineering is a way of controlling electricity and doing binary computation</p>	<p>-Can identify that transistor functions as a switch and amplifier as a solid state material with no mechanical parts.</p> <p>-Can identify that microscopic transistors working together in the CPU computes through binary systems</p> <p>-Understands that transistors are a part of a larger system, and is able to relate how all components work and interact.</p> <p>-Understands that electrical engineering is a way of controlling electricity, which is essentially to computational capacities of modern technology</p>