

Principles to Teach:

Input Work - Output Work + Energy Disipation work is not only how fast or how hard the generator is cremked, but the product of Force and Speed.

Observations:

- · multiple light strings increases energy disipation and thus requires more input work.
- . To achieve the same lighting, the same work must be input with each crank. This is dependent on speed and torque.

Notes: All switches will be manually opperated.