

STEM Applied Learning Programme

Lesson Outline

STEM Theme	Alternative Energy
Module	2 (Clean Energy)
Total Hours	15

No.	Topic
1	Singapore Energy Source Web quest
2	Steaming Ahead (Steam Turbine)
3	Dynamos
4	Insulated Bottle
5	Converting Heat into Electricity using Peltier Modules
6	Light Bulb or Heat Bulb?
7	Conduct a School Energy Audit
8	The Sun Can do "Watt"?
9	Watt's" Your Angle?
10	The Right Site
11	Measuring the Wind
12	Blade Design Competition
13	Are Renewables Right for Me?
14	Hydrogen Fuel Cells
15	Biofuels in Your Backyard

