NATURAL SCIENCE CENTER
OF GREENSBORO
Community Service Through Science

ENERGY

Program Length: Approximately 45 minutes

Science Presentations

The Science Presentation you have scheduled is designed to help illustrate the science concepts taught in the classroom and to stimulate student interest in the subject matter.

Program Content

1) Definition of energy
2) Conversion of energy
3) Conservation of energy
4) Forms of energy: electrical, thermal, radiant, mechanical, chemical, nuclear

Program Objective

Through exciting and varied demonstrations using student volunteers, this program explores the connections between the different forms of energy as they occur in nature and are consumed, converted and conserved by human beings.

Vocabulary

work	watt	fission	nucleus
energy	fusion	electron	oxidation
wattmeter	fluorescence	metabolize	combustion
fossil fuels	incandescence	kinetic energy	potential energy
electric motor	Rudolf Clausius	photosynthesis	chemiluminescence
luminescence	photovoltaic cell	electric generator	thermodynamics (1st law of…)