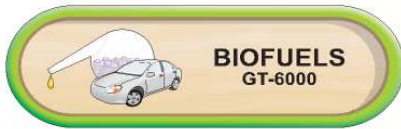


BIOFUELS

BIOFUEL TECHNOLOGY PROGRAM



Alternative Energy Generation

- History of fossil fuels
- Environmental concerns
- Electric grid
- Alternative energy sources

Energy and Power

- Types of energy
- Potential and Kinetic energy
- Power math
- Transportation fuels

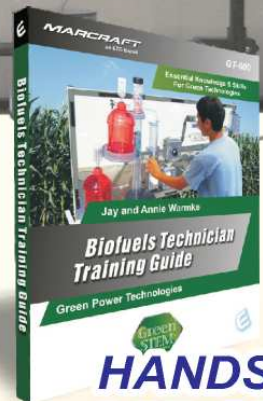
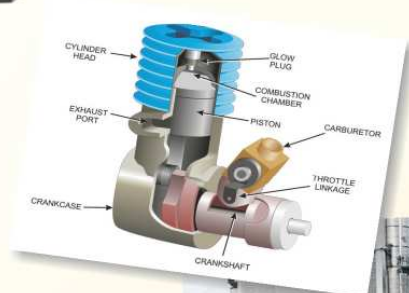
Biomass and Biofuels

- Biomass and biofuels basics
- Types of energy produced
- Pyrolysis
- Gasification
- Anaerobic Digestion
- Ethanol, Biodiesel & green diesel
- Limitations to overcome

Small Scale Bio-Energy Production

- Wood gas generators
- Backyard ethanol
- Backyard Biodiesel
- Safety and quality control
- By-product management

Reinforced with Hands-on Labs



HANDS-ON LAB GUIDE



STEM
 "Science, Technology, Engineering & Mathematics
 From
PERT

