

**FOSS Models and Designs Module  
Glossary Terms  
2005 Edition**

**Teacher Guide Terms**

**Investigation 1: Black Boxes**

Black box  
Model  
Siphon

**Investigation 2: Hum Dingers**

Circuit  
Collaborate  
Conceptual model  
Physical model  
Switch

**Investigation 3: Go-Carts**

Axle  
Bearing  
Design  
Engineer  
Friction  
Hub  
Traction  
Wheel

**Investigation 4: Cart Tricks**

Technology  
Variable

## **Science Stories Terms**

### **Investigation 1: Black Boxes**

Acupuncture  
Astronomer  
Atom  
Bacteria  
Black box  
Black hole  
Conceptual  
Cosmology  
DNA  
Electromagnetic radiation  
Era  
Fetus  
Fossil  
Geologist  
Gnomon  
Gravity  
Homogeneous  
Model  
Paleontologist  
Physics  
Radiation  
Radiometric dating  
Reconstruction  
Restoration  
Sedimentary rock  
Solar system  
System

### **Investigation 2: Hum Dingers**

Patent  
Prototype  
Simulation  
Virtual reality system

**Investigation 3: Go-Carts**

Assembly line  
Automation  
Axle  
Bearing  
Force  
Friction  
Interchangeable parts  
Internal combustion engine  
Mass production  
Motion  
Position  
Tension  
Traction  
Turbine

**Investigation 4: Cart Tricks**

Acceleration  
Computer-assisted design (CAD)  
Hypersonic  
Impulse  
Inertia  
Mass  
Matter  
Momentum  
Net force  
Reusable launch vehicles (RLVs)  
Supersonic  
Velocity