# Table of Contents for Developing Critical Thinking through Science Book 1 Critical Thinking Books & Software

Unit 1—Observing

- What Makes a Group?
- What Is That Sound?
- High and Low, Loud and Soft Sounds
- What Does It Smell Like?
- Tasting Party
- Taste These!
- How Does It Feel?
- Looking Closer—With Magnifiers
- Connections

### Unit 2—Water

- Exploring Water
- Water—A Closer Look
- The Shape of Water
- Same Volume, Different Shape
- Evaporation
- Condensation
- Connections

#### Unit 3—Buoyancy and Surface Tension

- Can It Sink? Can It Float?
- Rounded Water?
- Float a Paper clip!
- How Do Boats Float?
- Connections

#### Unit 4—Air

- Exploring Air
- Air Can Be Anywhere
- Air Does Take Up Space!
- What's in an "Empty" Cup?
- What's in a Bubble?
- Dancing Grapes!
- Connections

#### Unit 5—Moving Air—Air Pressure

- Fans and Pinwheels
- Streamers
- Parachutes
- Paper Airplanes
- The Strength of Air
- Connections

#### Unit 6—Force

- Push and Pull
- Earth-Pull (Gravity)
- How Much Force Does It Take?
- Getting Things Moving, Keeping Them Moving
- Force of Falling Objects
- Force of Rolling Objects
- Connections

## Unit 7—Space, Light, and Shadows

- Position in Space
- The Path of Light
- Blocking the Path of Light
- Indoor Shadows
- Outdoor Shadows
- Mirror Images
- Connections