Technology that Supports Instruction

Internet Resources:

- activities for kids to do on-line,
- access to other kids for collaborative research activities,
- unusual visual experiences in video and pictures,
- access to scientists/research sites,
- access to special tools like electron microscope,
- access to manipulable or 3-D models;
- background info for kids or teachers
- hands-on activities to print out
- teacher tools for planning and reflection

Equipment:

Overhead projectors for exploration with light, dissolving, veins of leaves, waves, shadows,

Data-gathering probeware. Temperature, magnetic fields, motion, force, pH

Microscopes
- I&E starting in 2nd grade, cells, microorganisms

Projecting Microscopes

Variety of scales, weights
- physical properties k, 1st, 3rd, 5th, math skills

Thermometers
- physical properties 1st, 3rd, 5th grade

Barometer, rain gauge
- study of weather 1st and 5th

Projecting cameras

Computer projectors to explore websites together, see video

Petrie dishes, incubators to explore microorganisms, reproduction

Binoculars
- to explore lens, light 3rd, birds, bird habits 1st, 2nd, 4th

Seismograph
- to explore earth movements, earthquakes 4th, 6th

Van de Graff generators to explore static electricity 4th