

Why Choose Science & Safety Consulting Services

Founded by respected educator, Linda M. Stroud, Ph.D., Science & Safety Consulting Services® (S&SCS) offers insights and solutions based on a 34-year career in public/private education. With an explicit understanding of school and university laboratory requirements, Dr. Stroud offers customized comprehensive science safety laboratory seminars (K-16) and science laboratory safety program evaluations. S&SCS' Hazard Assessments of Schools meet the requirements of OSHA, standards & professional organizations.

S&SCS Services

Science Safety Laboratory Seminars

- Professional development seminars in science safety for science teachers and administrators, pre-service and student teachers
- Four hour and one-day seminars meet OSHA required safety training
- Week-long seminars are NIOSH-based safety courses

Customized Comprehensive Science Safety Laboratory Program(C²S²LP)

- The knowledge base and tools to develop a Chemical Hygiene Plan and implement a sustainable science laboratory safety program
- Assessment of Voc Ed, Art, Custodial and Cafeteria departments in the school, as required by the Hazard Communication Plan

Essential Elements for Laboratory Safety

The laboratory is a vital setting in which science is experienced. Inquiry is documented as a preferred instructional design by the National Science Education Standards (NSES). To establish a safe and healthy learning environment, Science & Safety Consulting Services provides:

- A knowledge base
- Recommended strategies
- Organizational and evaluative tools
- Short-term and long-term planning
- Existing policy support
- An understanding of liability

We provide strategies for compliance with all mandated safety standards of:

- Occupational Safety and Health Administration (OSHA)
- National Institute of Occupational Safety and Health (NIOSH)
- State-specific standards, guidelines, laws and codes
- Science education professional standards
- State departments of education standards, guidelines and regulations

Credentials

- Adjunct Professor of Science Education at UNC-Pembroke
- NRCC-CHO
- Advanced Safety Certification
- Manager of Environmental Safety & Health
- OSHA General Industry Outreach Trainer
- Bloodborne Pathogen Trainer
- National Science Teachers Association Science Safety Advisory Board (2009-2011) & Chair (2009)
- American Chemical Society Division of Chemical Health & Safety Executive Board Task Force on Environmental Health & Safety Committee on Chemical Safety
- Commissioner, North Carolina Education Standards and Accountability Commission (1993-97)
- Trustee NC School of Science and Mathematics (1991-1999)
- Past President, NC Science Teachers Association (1993)
- Presidential Award Winner for Excellence in Science Teaching (1991)
- Einstein Fellow, White House Office of Science & Technology Policy (1996)
- Retired Chemistry Teacher with 34 years of experience at university and secondary level
- Tandy Technology Scholar (1991)
- National Science Teachers Association District Director (1999-2001)
- Woodrow Wilson Teaching Fellow (1988 & 1989)

Professional Memberships

American Chemical Society
Council of State Science Supervisors
National Educators Association
National Safety Council
National Science Teachers Association
North Carolina Science Leadership Association
North Carolina Science Teachers Association
Sigma Xi

Contact Us Today...

For information about how Science & Safety Consulting Services can work with a team of teachers and administrators from your school system to customize a Comprehensive Science Laboratory or School Safety Program.

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Transforming Your Science Laboratories



Science IS-INQUIRY...Safely

Customized Comprehensive Science Safety Laboratory Program

C²S²LP Process Overview

Phase I—Awareness

- Outlines the policy and laws that require the development a comprehensive science laboratory program and the Chemical Hygiene Plan/ Hazard Communication Plan*
- Informs administrators of their responsibilities regarding science laboratory safety
- Introduces electronic tools which assist all aspects of safety, including the S&SCS Chemical Management CD, Second Edition and NIOSH CD
- Establishes a local team approach for evaluation of their safety programs

Outcome
Knowledge base to begin the change process

Phase II—Lab Evaluation at the Local Level

(Based on the knowledge base, evaluation and management tools from Phase I)

- Analysis of how conditions measure up to standards
- Needs Assessment Report for each school and for the school system
- Documentation by Science & Safety Consulting Services Staff consisting of:
 - Self-evaluations by local personnel of their labs
 - Interviews
 - Validation of self-evaluation and observations
 - Examination of local documents

Outcomes
Strategies for optimizing facilities
Needs assessment report for each school and system-level recommendations

*Required by state and federal laws

Phase III—Needs Assessment Prioritization and Policy Meeting

Team meets again to:

- Prioritize the issues identified in the Needs Assessment Report
- Brainstorm viable solutions
- Determine responsibilities and local protocols
- Establish long-term and short-term targets for compliance
- Begin development of individual Chemical Hygiene Plan/Hazard Communication Plan*
- Design an infrastructure for accountability and sustainability

Outcomes
Tracking systems
Correction plan
Policy development
Chemical Hygiene Plan/Hazard Communication Plan

Phase IV—Ongoing Safety Plan

- Ongoing professional development for administrators and teachers*
- Updating of the Chemical Hygiene Plan/ Hazard Communication Plan*

Outcomes
Safe and compliant laboratories
Well-informed personnel



Which is your lab?



Our Process

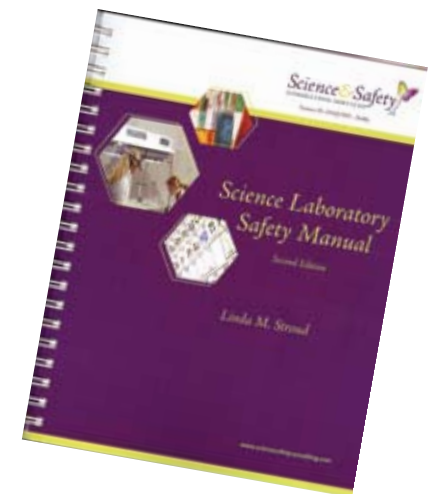
We aid pre-service and in-service science educators in:

- Locating and applying applicable federal and state laws, codes, and professional standards
- Evaluating and managing chemical inventories electronically
- Conducting and prioritizing a science laboratory Needs Assessment
- Developing a comprehensive chemical management system
- Developing and implementing a sustainable Chemical Hygiene Plan (required by federal laws effective January 31, 1991)
- Developing and implementing a sustainable Hazard Communication Plan
- Providing professional development classes for K-12 teachers and administrators and pre-service and student teachers for colleges and university science education classes.
- Providing one-week professional development seminars for LEA and college/university science education personnel



“Let’s make school laboratories the secure and safe environments we are obligated to make them, both for the sake of our students and staff. Science IS—INQUIRY... Safely!”

Linda M. Stroud, Ph. D., President
Science & Safety Consulting Services



S&SCS Science Laboratory Safety Manual, Second Edition
Over 400 information-packed pages providing the guidelines, procedures, and references needed to raise the standard of school science safety.

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