Science Activity Safety Checklist

A safety resource from the National Science Teachers Association

Prior to submitting a new demonstration/activity/laboratory/field investigation for approval, the following must be completed:

- ❑ Safety training
- ❑ Safety Acknowledgment Form reviewed and signed
- ❑ Hazard analysis, including review of Safety Data Sheet (SDS)
- ❑ Risk assessment
- ❑ Safety controls reviewed and applied to address risks (elimination, substitution, engineering controls, standard operating procedures, class size, special needs students, and personal protective equipment (PPE)
- ❑ PPE and other safety protocols documented in procedures
- ❑ Safety precautions handout prepared for teacher and students
- ❑ Safety precautions for chemicals reviewed and documented in procedures (see Managing Your Chemical Inventory—Part 3)
- ❑ Safety precautions for physicals reviewed and documented in procedures (e.g., trip/fall hazards, projectiles, etc.)
- ❑ Safety precautions for biologicals reviewed and documented in procedures (e.g. blood-borne pathogen exposure, toxic plants, etc.)
- ❑ Safety precautions for hand and power tools reviewed and documented in procedures
- ❑ Lab/activity/demonstration performed by teacher prior to its use with students
- ❑ Plan in place to monitor behavior to assure safety requirements are being met during activity (e.g. making sure PPE stays on, maintaining proper distance from apparatus, etc.)

NSTA would like to thank its Science Safety Advisory Board for developing this resource. Questions or comments about its content should be directed to NSTA at 703-243-7100 or safety@nsta.org.

National Science Teachers Association—1840 Wilson Boulevard—Arlington, VA 22201
February 2018 (www.nsta.org/safety)