



# GENERAL SCIENCE CLASSROOM CHECKLIST



All items on checklist for Standard Classrooms apply with the following additions:

## GENERAL:

	YES	NO
Are chemical containers kept closed when not in immediate use?	<input type="checkbox"/>	<input type="checkbox"/>
Is local ventilation, such as a fume hood, used when transferring chemicals from one container to another?	<input type="checkbox"/>	<input type="checkbox"/>
Are desk-top exhaust vents fully operational and clear of debris?	<input type="checkbox"/>	<input type="checkbox"/>
Is the fume hood, if present, used for chemical transfer only, not storage	<input type="checkbox"/>	<input type="checkbox"/>
If natural light is not available, is there emergency lighting in the lab and prep room?	<input type="checkbox"/>	<input type="checkbox"/>
Are gas cylinders (full or empty) secured to prevent falling?	<input type="checkbox"/>	<input type="checkbox"/>
Is the valve cap securely in place when storing or moving?	<input type="checkbox"/>	<input type="checkbox"/>
Is there a hand truck available to move large tanks?	<input type="checkbox"/>	<input type="checkbox"/>
Establish that there is no lubrication of cylinder valves or regulators.	<input type="checkbox"/>	<input type="checkbox"/>
Is a separate signed container provided for broken glass in classrooms and prep rooms?	<input type="checkbox"/>	<input type="checkbox"/>
Are specimens bagged for disposal? Preserved specimens are not biological hazards and can be bagged for disposal in the regular garbage.	<input type="checkbox"/>	<input type="checkbox"/>
Are all cultured bacterial specimens autoclaved (disinfected) prior to disposal or washing?	<input type="checkbox"/>	<input type="checkbox"/>
Are teacher workstations located outside the chemical storage area?	<input type="checkbox"/>	<input type="checkbox"/>
Is there an accessible fire extinguisher wall-mounted in each classroom and prep-room (CO2 or dry chemical type)?	<input type="checkbox"/>	<input type="checkbox"/>
Does the extinguisher have an inspection tag indicating the date of the monthly inspection?	<input type="checkbox"/>	<input type="checkbox"/>
Is the natural gas emergency shutoff valve location clearly marked (where classroom has gas supply)?	<input type="checkbox"/>	<input type="checkbox"/>
Is there clear access to gas shut-off valves?	<input type="checkbox"/>	<input type="checkbox"/>
Are eyewash stations available and operational? Location should be clearly marked using standard signs and regular testing should be in place.	<input type="checkbox"/>	<input type="checkbox"/>
Is personal protective equipment available and used, e.g. goggles or face shields, aprons, and gloves?	<input type="checkbox"/>	<input type="checkbox"/>



**CHEMICALS:**

	YES	NO
Are WHMIS workplace labels on all decanted chemicals or where original labels are missing or illegible?	<input type="checkbox"/>	<input type="checkbox"/>
Are ALL chemicals clearly labeled?	<input type="checkbox"/>	<input type="checkbox"/>
Are material safety data sheets available for all hazardous chemicals?	<input type="checkbox"/>	<input type="checkbox"/>
Do labels indicate the chemical name in plain language (not just chemical formulae) and concentration of solutions where applicable?	<input type="checkbox"/>	<input type="checkbox"/>
Is there an up-to-date inventory of chemicals being stored?	<input type="checkbox"/>	<input type="checkbox"/>
Is a chemical spill kit available?	<input type="checkbox"/>	<input type="checkbox"/>
Are quantities of all chemicals kept as low as possible; are all chemicals present required for the program level?	<input type="checkbox"/>	<input type="checkbox"/>
Are corrosive chemicals stored in a mechanically vented storage cabinet?	<input type="checkbox"/>	<input type="checkbox"/>
Is mechanical venting checked regularly to ensure its continuing operation? A check can be made easily by holding a tissue near the exhaust grille on the cabinet.	<input type="checkbox"/>	<input type="checkbox"/>
Are flammable chemicals stored in an approved storage cabinet?	<input type="checkbox"/>	<input type="checkbox"/>
Are all waste chemicals stored for disposal by board disposal procedures?	<input type="checkbox"/>	<input type="checkbox"/>

**SEPARATION OF ACIDS, BASES, OXIDIZING AGENTS, REDUCING AGENTS, WATER REACTIVE & STANDARD CHEMICALS**

*The following questions can be asked of the science teacher:*

	YES	NO
Are all chemicals grouped by anions	<input type="checkbox"/>	<input type="checkbox"/>
Are powdered metals kept tightly closed and in small quantities only?	<input type="checkbox"/>	<input type="checkbox"/>
<b>Are acids:</b>		
Stored in a mechanically vented acid storage cabinet?	<input type="checkbox"/>	<input type="checkbox"/>
Separated from flammables and combustibles?	<input type="checkbox"/>	<input type="checkbox"/>
Separated, inorganic from organic acids and from flammable and combustible materials?	<input type="checkbox"/>	<input type="checkbox"/>
Are bases separated from acids and metallic reactive chemicals?	<input type="checkbox"/>	<input type="checkbox"/>
<b>Are oxidizing agents:</b>		
Separated from flammable and combustible materials?	<input type="checkbox"/>	<input type="checkbox"/>
Separated from reducing agents?	<input type="checkbox"/>	<input type="checkbox"/>
Are reducing agents separated from oxidizing agents?	<input type="checkbox"/>	<input type="checkbox"/>
<b>Are water reactive agents:</b>		
Stored away from water sources?	<input type="checkbox"/>	<input type="checkbox"/>
<b>Are flammable liquids:</b>		
Stored in flammable storage cabinets?	<input type="checkbox"/>	<input type="checkbox"/>