

General Science Class Room Checklist

SCIENCE

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 science 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"/>

continued

Chemicals

YES NO

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| 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 and standard chemicals*The following questions can be asked of the science teacher:*

YES NO

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| Are all chemicals grouped by anions? | <input type="checkbox"/> | <input type="checkbox"/> |
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Are acids;

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| 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"/> |

Are oxidizing agents;

- | | | |
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| 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"/> |

Are water reactive agents;

- | | | |
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| Stored away from water sources? | <input type="checkbox"/> | <input type="checkbox"/> |
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Are flammable liquids;

- | | | |
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| Stored in flammable storage cabinets? | <input type="checkbox"/> | <input type="checkbox"/> |
| Are powdered metals kept tightly closed and in small quantities only? | <input type="checkbox"/> | <input type="checkbox"/> |