

Curriculum activity risk assessment

Sculpture

clever • skilled • creative

Activity scope

Sculpture can be static, kinetic or ephemeral and can include modelling, casting, carving, construction, assemblage, installation and performance. This module covers stone carving, plaster casting and construction activities.

Woodworking, welding and brazing, soldering and the use of plastics and/or fibreglass, reinforced plastics and thermosetting resins are not included in this guideline.

Risk level

The actual risk level will vary according to the specific circumstances of the activity and these **must** be considered when assessing the inherent risk level and planning the activity. As a starting point, ask the following questions:



- Which students will be involved?
- Where will the students be?
- What will the students be doing?
- Who will be leading the activity?
- What will the students be using?

Inherent risk level		Action required / approval
<input type="checkbox"/>	Low	Construction and plaster casting <input checked="" type="checkbox"/> Manage through regular planning processes.
<input type="checkbox"/>	Medium	Stone carving and body casting <input checked="" type="checkbox"/> Record controls in your planning documents and/or complete this <i>Curriculum Activity Risk Assessment</i> . <input checked="" type="checkbox"/> Consider obtaining parental permission.

Teachers/leaders:

Activity description:

Start date:

Finish date:

No of students (approx.):

Class groups:

Supervision ratio (approx.):



Queensland Government

Listed below are the minimum recommendations for this type of activity. For any items ticked 'No', provide further information regarding the additional or alternate controls to be implemented for the safe conduct of the activity.

Minimum supervision

Adequate adult supervision is to be provided. In determining what is adequate, consider the number of students, their individual needs, and the nature of the activity. If an adult other than a registered teacher is engaged for instruction, a teacher should be present to take overall responsibility. [Blue Card](#) requirements **must** be adhered to.

- Registered teacher with minimum qualifications as outlined below
OR
 An adult with minimum qualifications as outlined below, in the presence of a registered teacher

Further information:

Minimum qualifications

The qualifications listed in this section are minimums for each type of situation. Leaders are encouraged to seek training to raise their qualification level above the minimum listed.

- Current first aid qualifications including Cardio Pulmonary Resuscitation (CPR) or ready access to first aid facilities, including qualified personnel.
 [Blue Card](#) requirements met

Low — Little chance of incident or injury

For a registered teacher:

- a registered teacher with knowledge of construction activities and plaster casting and the potential hazards
OR
 an adult with experience (previous involvement) in sculpture, if a teacher with knowledge is not available.

Medium — Some chance of an incident and injury requiring first aid

For a registered teacher:

- competence (demonstrated ability) in stone carving and the relevant equipment
OR
 an adult with expertise (formal qualifications) in stone carving and the relevant equipment, where a teacher as described is not available.

A teacher could demonstrate their competency through their:

- knowledge of the activity and the associated hazards and risks
 experience (i.e. previous involvement) in undertaking the activity
 demonstrated ability and/or expertise to undertake the activity
 possession of qualifications related to the activity.

Further information:

Minimum equipment/facilities <i>If 'No' is ticked, provide further information.</i>	Yes	No
First aid kit suitable for activity	<input type="checkbox"/>	<input type="checkbox"/>
Communication system: <input type="checkbox"/> phone-line at location <input type="checkbox"/> mobile phone <input type="checkbox"/> walkie talkies/UHF radio <input type="checkbox"/> student/adult messenger Other:		
Sun safety equipment (hat, sunscreen, shirt etc)	<input type="checkbox"/>	<input type="checkbox"/>
Drinking water (students should not share drinking containers)	<input type="checkbox"/>	<input type="checkbox"/>
Protective clothing and eye protection should be worn where necessary.	<input type="checkbox"/>	<input type="checkbox"/>
Eyewash facilities should be available if chemicals such as glues, paints, solvents and acids are used.	<input type="checkbox"/>	<input type="checkbox"/>
Further information:		

Hazards and suggested control measures

All persons engaging in this activity should:

- identify the hazards, including any additional hazards not mentioned here
- assess their significance
- manage the potential risks.

Listed below are indicative hazards/risks and suggested control measures. They are by no means exhaustive lists. After checking these, add details of any other identified hazards/risks and additional controls you intend to implement.

Hazards/risks	Control measures	Yes	No	Implementation plan / Additional controls
Dust, gas or fumes • Inhalation	<ul style="list-style-type: none"> • Ensure adequate ventilation. • If vermiculite is being used for sculpture, it is recommended that it be worked wet to reduce the generation of dust. 	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
Environmental conditions • Surfaces • Surrounds	<ul style="list-style-type: none"> • Ensure that clean-up of the worksite incorporates the wet method (all surfaces should be damped down and then sponged clean). • Consider the size of the sculpture (i.e. its height and stability) when determining a location. • Establish safety zones to ensure that students have an adequate work area that other students will not enter. 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Hazards/risks	Control measures	Yes	No	Implementation plan / Additional controls
	<p>these materials. If the polystyrene is cut by the hot-wire method, highly toxic styrene fumes are generated, thus good ventilation is essential. <i>Polyurethane foam must not be burned, scorched etc. for sculptural effects as poisonous cyanide-based fumes will result.</i></p>			
<p>Students</p> <ul style="list-style-type: none"> • Student numbers • Special needs • High risk behaviours • Medical conditions 	<ul style="list-style-type: none"> • Obtain parental permission, including relevant medical information. • When students with medical conditions are involved, ensure that relevant medical/emergency plans and medications are readily available (insulin, Ventolin, Epipen, etc.) • Refer to Individual education plan/Educational adjustment plan/Behaviour management plan and other student documents. • Where necessary, obtain advice from relevant advisory visiting teachers or specialist teachers. • Ensure there is adequate adult supervision. 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<p>Tools, plant or equipment</p>	<ul style="list-style-type: none"> • Respiratory and eye protection is recommended. • Ensure that protective face masks or goggles are worn to protect the eyes when mixing large amounts of plaster. • Ensure that appropriate personal protective equipment (e.g. safety glasses, face masks and protective gloves) is worn by all persons participating in the activity. 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Additional control measures

These would relate to the specific student needs, location and conditions in which you are conducting your activity.

Hazards/risks	Control measures

Submitted by:

Date:

List the names of those who were involved in the preparation of this risk assessment.

Approval

Approved as submitted:

Approved with the following condition(s):

Not approved for the following reason(s):

By:

Designation:

Signed:

Date:

Once approved, activity details should be entered into the *School Curriculum Activity Register* by administrative staff.

Reference no.

Monitor and review <i>To be completed during and/or after the activity and/or at the completion of the series of activities.</i>	Yes	No
Are the control measures still effective?	<input type="checkbox"/>	<input type="checkbox"/>
Have there been any changes?	<input type="checkbox"/>	<input type="checkbox"/>
Are further actions required?	<input type="checkbox"/>	<input type="checkbox"/>
Details:		

Important links

- HLS-PR-003: First Aid
<http://education.qld.gov.au/strategic/eppr/health/hlspr003/>
- HLS-PR-005: Health and Safety Incident Recording and Notification
<http://education.qld.gov.au/strategic/eppr/health/hlspr005/>
- Managing Hazardous Materials in Art
<http://education.qld.gov.au/strategic/eppr/health/hlspr012/resources/hazmaterialsart.pdf>
- HRM-PR-010: Working with Children Check – Blue Cards
<http://education.qld.gov.au/strategic/eppr/hr/hrmpr010/>
- Portable Electrical Power Tools
<http://education.qld.gov.au/strategic/eppr/health/hlspr012/resources/toolsportelectric.pdf>

Further information

For further information on incorporating risk management strategies into curriculum activity planning refer to [HLS-PR-012 Managing Risks in Curriculum Activities](#) and the associated list of [Curriculum Activity Risk Assessment Guidelines](#). (See: <http://education.qld.gov.au/strategic/eppr/health/hlspr012/index1.html>)

For further support with risk management training and advice, contact trained staff in schools such as Workplace Health and Safety Officers (WHSOs) and Workplace Health and Safety Representatives (WHSRs), and regional staff such as Senior Health and Safety Consultants.