

# Curriculum activity risk assessment

## Flying Model Aircraft

clever • skilled • creative

### Activity scope

Flying model aircraft refers to the processes and procedures of preparing model aircraft for flight, and the storing and handling of model aircraft, parts and accessories on school property.

For the purposes of these policies and procedures, and pursuant to the operation of Civil Aviation Safety Regulations (1998) Part 101.235(1) *Note 1*, model aircraft in schools are flown only for the purposes of sport.

Teachers/leaders:		
Activity description:		
Start date:	Finish date:	No of students (approx.):
Class groups:		Supervision ratio (approx.):

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

Risk levels, model aircraft (excluding rotary-wing)	Less than 0.5 kg	Between 0.5 kg and 2.0 kg	Between 2.0 kg and 5.0 kg	Between 5.0 kg and 7.0 kg
Less than 15 km/h	Low risk	Medium risk	High risk	Extreme risk
Between 15 km/h and 50 km/h	Medium risk	Medium risk	High risk	Extreme risk
Between 50 km/h and 100 km/h	High risk	High risk	High risk	Extreme risk
Between 100 km/h and 150 km/h	Extreme risk	Extreme risk	Extreme risk	Extreme risk

Inherent risk level			Action required / approval
<input type="checkbox"/>	<b>Low</b>	Little chance of incident or injury	<ul style="list-style-type: none"> <li>Manage through regular planning processes</li> </ul>
<input type="checkbox"/>	<b>Medium</b>	Some chance of an incident and injury requiring first aid	<ul style="list-style-type: none"> <li>Document controls in planning documents and/or complete this <i>Curriculum Activity Risk Assessment</i>.</li> <li>Consider obtaining parental permission.</li> </ul>

<input type="checkbox"/>	High	Likely chance of a serious incident and injury requiring medical treatment	<input checked="" type="checkbox"/> A <i>Curriculum Activity Risk Assessment</i> is required to be completed. <input checked="" type="checkbox"/> Principal or delegated Deputy Principal or Head of Program (i.e. HOD, HOSES, HOC) to review and approve risk assessment. <input checked="" type="checkbox"/> Obtaining parental permission is recommended. <input checked="" type="checkbox"/> Once approved, activity details are to be entered into the <i>School Curriculum Activity Register</i> .
<input type="checkbox"/>	Extreme	High chance of a serious incident resulting in highly debilitating injury	<input checked="" type="checkbox"/> Consider conducting an alternative activity <input checked="" type="checkbox"/> A <i>Curriculum Activity Risk Assessment</i> is required to be completed. <input checked="" type="checkbox"/> Principal approval prior to conducting this activity is required. <input checked="" type="checkbox"/> Parental permission <b>must</b> be obtained for student participation. Once approved, activity details are to be entered into the School Curriculum Activity Register.

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.

<b>Minimum supervision</b>
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 registered teacher should be present to take overall responsibility. <a href="#">Blue Card</a> requirements <b>must</b> be adhered to.
<input type="checkbox"/> Registered teacher with minimum qualifications as outlined below <b>OR</b> <input type="checkbox"/> An adult with minimum qualifications as outlined below, in the presence of a registered teacher
Further information:

<b>Minimum qualifications</b>	
<i>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.</i>	
<input type="checkbox"/> Current first aid qualifications including cardio pulmonary resuscitation (CPR) or ready access to first aid facilities, including qualified personnel.	
<input type="checkbox"/> <a href="#">Blue Card</a> requirements met.	
<b>Low</b>	<b>Medium</b>
<b>For a registered teacher or a leader other than a registered teacher:</b>	
<input type="checkbox"/> competence (demonstrated ability) in the flying of model aircraft of the type and performance being supervised	
A teacher could demonstrate their competency through their:	
<input type="checkbox"/> knowledge of the activity and the associated hazards and risks	
<input type="checkbox"/> experience (i.e. previous involvement) in undertaking the activity	
<input type="checkbox"/> demonstrated ability and/or expertise to undertake the activity	
<input type="checkbox"/> possession of qualifications related to the activity	

<b>High</b>
<p><b>For a registered teacher or a leader other than a registered teacher:</b></p> <p><input type="checkbox"/> a registered teacher who holds a current Bronze Wing (Model Aeronautical Association of Australia) or equivalent qualification.</p>
<b>Extreme</b>
<p><b>For a registered teacher or a leader other than a registered teacher:</b></p> <p><input type="checkbox"/> a registered teacher who holds a current Gold Wing (Model Aeronautical Association of Australia) or equivalent qualification.</p>
<p>The leader of an activity may also be the designated Safety Officer, responsible for the adherence to safety requirements by all participants and spectators. If the leader is not the designated Safety Officer, the person so designated must have the minimum qualifications specified for a leader for the risk level of the activity.</p>
<p>Further information:</p>

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"/>
Safety goggles	<input type="checkbox"/>	<input type="checkbox"/>
Anti-glare protection	<input type="checkbox"/>	<input type="checkbox"/>
Further information:		



Hazards/risks	Control measures	Yes	No	Implementation plan / Additional controls
	<ul style="list-style-type: none"> <li>• Do not operate free-flight and controlled aircraft simultaneously as multiple aircraft in the air increases the risk factor.</li> <li>• Give students operating model aircraft adequate instruction in the correct operation of all equipment and procedures associated with the operation of the model aircraft, including the handling of fuels, the use of batteries and charging devices, and relevant flight-line procedures.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Personal protective equipment</b>	<ul style="list-style-type: none"> <li>• Equip all personnel within the flight line with appropriate protective equipment at all times</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Physical contact</b> <ul style="list-style-type: none"> <li>• Overcrowding</li> </ul>	<p>For indoor flying, the minimum distance of spectators from the flight line at all times depends on the risk level :</p> <ul style="list-style-type: none"> <li>• for low risk no less than 3 metres</li> <li>• for medium risk no less than 10 metres</li> <li>• for high risk no less than 30 metres</li> <li>• for very high risk no less than 30 metres.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Students</b> <ul style="list-style-type: none"> <li>• Special needs</li> <li>• High-risk behaviours</li> <li>• Medical conditions</li> <li>• Student numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Obtain parental permission, including relevant medical information.</li> <li>• When students with medical conditions are involved, ensure that relevant medical/emergency plans and medications are readily available (insulin, Ventolin, EpiPen, etc.)</li> <li>• Refer to Individual education plan/Educational adjustment plan/Behaviour management plan and other student documents.</li> <li>• Where necessary, obtain advice from relevant advisory visiting teachers or specialist teachers.</li> </ul>	<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, the activity details should be entered into the *School Curriculum Activity Register* by administrative staff.

Reference no.

<b>Monitor and review</b> <i>To be completed during and/or after the activity and/or at the completion of the series of activities.</i>	<b>Yes</b>	<b>No</b>
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

- Civil Aviation Safety Regulations 1998 (CASR) Part 101  
[http://www.casa.gov.au/scripts/nc.dll?WCMS:STANDARD::pc=PC\\_91039](http://www.casa.gov.au/scripts/nc.dll?WCMS:STANDARD::pc=PC_91039)
- Civil Aviation Safety Authority Advisor Circular AC-101-3(0)  
<http://www.casa.gov.au/rules/1998casr/101/101c03.pdf>
- Model Aeronautical Association of Australia MOPs  
<http://www.maaa.asn.au/maaa/mop.html>
- HRM-PR-010: Working with Children Check – Blue Cards  
<http://education.qld.gov.au/strategic/eppr/hr/hrmpr010/>

### 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.