



## STEMDrones Risk Assessment

Risk	Control/Action Taken	Risk Level	Timing of Action
Trip Hazard / available space	<ul style="list-style-type: none"> <li>- Minimum size of room to be requested based on minimum required amount of space per drone. Hyett Education may reduce the number of active drones (e.g. by increasing the number of young people per group) if the teaching space is not adequately sized to ensure safe operation of the drones.</li> <li>- Young people to be grouped onto specific tables / into specific areas of the teaching space when working.</li> <li>- Young people to be discouraged from moving around the room unnecessarily.</li> <li>- Hyett Education session leader to ensure that any extension leads are covered, secured and/or beyond the pupils' activity area.</li> <li>- Any floor mats used in the session to be securely taped to the floor.</li> <li>- Hyett Education session leader to remind young people not to walk across any floor mats.</li> </ul>	Low	Before event and on the day of the event
Drone collision with persons or property	<ul style="list-style-type: none"> <li>- Young people and accompanying adults to be briefed regarding flight safety rules, including the need for protective eye wear, launch procedures, and student movement within the teaching space.</li> <li>- Hyett Education to dictate when and when not to fly by clear commands.</li> <li>- Eye protection to be worn at all times during active flight. For young people this is mandatory. Any young people who wear glasses will be instructed to keep their glasses on at all times.</li> <li>- Young people with long hair to be asked to tie this back.</li> <li>- If drone "flips" are part of the workshop, additional safety information to be given regarding spacing of drones and appropriate / inappropriate frequency of flips.</li> <li>- Additional safety instructions / reminders to be given for any "free flying" (remote controlled) flying of drones.</li> <li>- Students who persist in not following safety rules to be asked to leave the session under the supervision of a school employee.</li> </ul>	Low	On the day of the event
Fly Away	<ul style="list-style-type: none"> <li>- Drones will not be flown outside to eliminate the risk of a fly away.</li> <li>- If young people lose control of their drone, they are asked to inform the instructor straight away. Procedures for this to be explained to the young people before first flight.</li> </ul>	Low	On the day of the event



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Battery Burn or Fire	<ul style="list-style-type: none"><li>- Hyett Education staff to perform battery checks, ensuring no bulges or cracks.</li><li>- Hyett Education session leader to ensure safe storage and proper charging of batteries.</li><li>- Young people and accompanying adults to be shown safe handling of batteries, with clear procedures for battery changes explained.</li><li>- All adults to be aware of nearest fire extinguisher.</li></ul>	Low	Ongoing and on the day of the event
Drone Stops Responding	-Children are trained to use a "land" command if control is lost. If drone does not respond, only trained instructors may intervene to safely remove drone from air. Use drones with emergency stop functions where available.	Low	Ongoing and on the day of the event
Privacy issues (cameras on drones)	-Any photos taken must be deleted from the device as part of the session pack-down. -Pupils must ask for permission before taking photos of others. -Follow school data protection and safeguarding policies.	Low	Ongoing and on the day of the event

	Name	Position	Signature	Date
<b>Risk Assessor</b>	Antony Hyett	Teacher/Consultant		