Autonomous Robot Unit - Risk Analysis

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| Risk | Level | Consequence | Action | Follow-up |
| Damage to property, components | Low | Loss of robot components due to breakage, theft, electrical short circuit | * Ensure all components are checked out and checked in with each lesson
* Caution and explicitly teach students about safe handling of electrical components
* Remind students about electrical safety
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| Breach of Cyber Safety | Low | Students may access inappropriate websites while looking for YouTube tutorialsStudents download and run virus, phishing, malware or spyware software | * Warn of dangers
* Teach safe searching practices
* Inform teacher of accidental access to inappropriate websites
* Provide a list of trusted websites covering unit content
* Most sites are filtered and blocked by DoE and programs can not be installed by students
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| Electric shock | Low | Students receive electrical shock while working with robotic components | * Remind students about electrical safety
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| Injury from moving parts | Low | Students receive injury from moving parts such as fans, blades and other spinning objects | * Remind students about personal safety when working with moving parts
* Ensure glasses are worn if using rotor blades
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