

Brisbane Urban Environmental Education Centre

Curriculum Activity Risk Assessment

Activity Details

CARA Creation Date: 06-Dec-2019			
Activity:	Other	Activity Name:	Year 6 - Power Up, Power Down
Guidelines:	https://education.qld.gov.au/curriculum/school-curriculum/CARA/activity-guidelines		
Activity Description:	Students will: <ul style="list-style-type: none"> - Investigate energy transformations. - Create simple circuits. - Conduct a series of experiments around the production and consumption of energy. - Consider alternative forms of energy and energy efficiency. 		
Inherent Risk Level:	Low		
Inherent Risk Level Description:	Little chance of incident or serious injury		
Start Date:	Tuesday, 28 January, 2020	End Date:	Friday, 11 December, 2020
On School Grounds:	Yes	Is parental permission required for this activity?	No

Mandatory/Special Requirements

Provide information about mandatory/special requirements for each activity that is to occur in the Other Details box below.

Check if relevant Codes of Practice/[CARA activity guidelines](#) exist for each activity and ensure the minimum requirements are met.

BUEEC staff will discuss safety procedures and rules at the commencement of each activity.

All equipment used in circuit investigations runs at less than 12 volts and currents are under 10 amps. A Residual Current Device (RCD) is in place at the centre so all circuits are protected.

BUEEC staff will discuss equipment (e.g cameras, laptops, iPads etc) prior to use, outlining correct procedures and safety requirements.

Evacuation and lockdown procedures will be shared with all students, teachers and adults at the commencement of the program.

Risk Management Details

Supervision Requirements

Provide information about supervision for each activity that is to occur in the Other Details box below.

Check if relevant Codes of Practice/[CARA activity guidelines](#) exist for each activity and ensure the minimum supervision requirements are met.

Minimum of 2 teachers required per 30 students (1 BUEEC teacher and 1 visiting school teacher).

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Qualification Requirements

Provide information about the leader/supervisor's relevant qualification and/or competence for each activity that is to occur in the Other Details box below.

Check if relevant Codes of Practice/[CARA activity guidelines](#) exist for each activity and ensure the minimum qualification requirements are met.

Registered teacher with minimum qualifications and experience as required by the nature of the activities.

All BUEEC staff hold current First Aid and CPR qualifications.

Equipment/Facility Requirements

Provide information about equipment/facilities for each activity that is to occur in the Other Details box below.

Check if relevant Codes of Practice/[CARA activity guidelines](#) exist for each activity and ensure the minimum equipment/facility requirements are met.

All equipment used in circuit investigations runs at less than 12 volts and currents are under 10 amps. A Residual Current Device (RCD) is in place at the centre so all circuits are protected.

Students/teachers are advised prior to the excursion to bring sun safety equipment and bottled drinking water.

Schools are required to bring a first aid kit which meets the needs of that school in relation to the specific requirements of individual students and accompanying adults, as well as the variation to routine approval process of the school. Additionally BUEEC staff carry a basic first aid kit suited to the area in which the excursion will take place.

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Hazards and Control Measures

Provide information about the identified risks and planned control measures for each activity that is to occur in the Other Details box below.

Check if relevant Codes of Practice/[CARA activity guidelines](#) exist for each activity. Information on managing common hazards and risks in the school environment can be found at [Hazards and Risks](#).

All electrical items are to be inspected and tested as required. BUEEC staff will discuss equipment (e.g cameras, laptops, iPads etc) prior to use, outlining correct procedures and safety requirements.

School requested to advise of any students with family law concerns.

The program activities take place outside of a classroom. Students should bring along adequate sun protection and a hat for outdoor sequences. Students will be monitored by BUEEC staff for fatigue and establish rest and water stops where appropriate.

BUEEC staff will assess weather conditions before and during the activity.

Teacher with medical condition to advise BUEEC staff to procedures in the event of an incident.

Students with open cuts and abrasions are to be removed from the activity and treated immediately. If bleeding cannot be controlled completely, the participant should not be allowed to return to the activity. All clothing, equipment and surfaces contaminated by blood should be treated as potentially infectious.

BUEEC staff will discuss safety procedures and rules at the commencement of the activity.

BUEEC staff will discuss equipment (prior to use, outlining correct procedures and safety requirements).

BUEEC staff will monitor students for safe movement around the activity area.

School requested to advise of any students with family law concerns.

Staff/Other Participants

Family Name	Given Name	Type	Other Participants Role
Brown	Lachlan	Staff Member	N/A
Davis	Melanie	Staff Member	N/A
Devaney	Mark	Staff Member	N/A
Jensen	Jennifer	Staff Member	N/A
Maher	Donna	Staff Member	N/A

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Planning Considerations

Which students will be involved?

- Consider the number of students, size of student groups and students' capabilities e.g. age, experience, competence, fitness, maturity.
- Consider any individual student needs e.g. personalised learning, support provisions (including behaviour support plans), health management (including health plans and prescribed medication requirements).

Where will the students be?

- Consider the location of the activity e.g. remote/easily accessible, public /private, school/classroom/workshop/other.
- Is the number of students appropriate for the available space?
- If outdoors – sunsafe strategies are implemented; weather and environmental conditions are assessed before and during activity (e.g. temperature, storms, water currents, tides); and strategies to reduce the likelihood of viruses, allergies and skin infections caused by insects (e.g. ticks, mosquitoes, spiders) and other animals are applied.
- The site is checked for hazards (e.g. poisonous plants, dangerous animals, uneven terrain, barbed wire,) and necessary controls implemented.
- Activities are appropriately situated in relation to buildings, pedestrians, members of the public, vehicles and other activities e.g. designated areas for activity, spectators and vehicles are established.

What will the students be doing?

- Consider the nature and duration of the activity i.e. need for drinking water, food, rest, appropriate clothing, warm-up and warm-down.
- Instruction in rules and pre-requisite skills is provided.
- Student skills are developed in a progressive and sequential manner.
- First aid and emergency medical treatment provisions are appropriate for the type of activity and location e.g. first aid kit, first aid trained personnel, Ventolin®, Epipen®, and students' personal prescribed medications as required in health plans are available.
- Emergency response strategies are in place e.g. communication plans (e.g. mobile phone, walkie talkie), safety induction, evacuation plans.
- Hair, clothing, footwear and jewellery are worn in a manner that is appropriate and safe for the activity.
- Personal items, e.g. drink bottles, towels and mouthguards, will not be shared between students.

What will the students be using?

- Instruction in safety procedures and safe handling of equipment is provided.
- Equipment is suitable for the activity, properly maintained, appropriately used and complies with the relevant safety standard.
- [Relevant department procedures and guidelines](#) are adhered to for the use of equipment and work processes.

Who will be leading the activity?

- A registered teacher has overall responsibility for the activity.
- Sufficient adult supervision is in place to manage the activity safely (including in emergency situations).
- The activity leader has the competence (knowledge and skills) to plan, induct, instruct and manage the activity safely for students and others.
- There are sufficient adults present with current First Aid qualifications (including CPR) or ready access to qualified first aid personnel.
- Blue Card requirements are adhered to for leaders/volunteers.

I have incorporated the above factors when planning my risk management strategies for this activity.

Additional activity-specific requirements for students with specialised learning needs are provided in the Other Details box below.