Investigating Energy (incursion)

Teacher checklist

Schedule	Half day (approx.) program. Each class will participate in learning activities (see over the page) which will take approximately 2 hours (timing for each class will be negotiated on booking)
Venue	A teaching space such as a classroom, library area or hall. Due to the large amount of equipment and display materials, we prefer to set up in one place for all sessions, preferably in a ground floor room.
Risk management advice	Please see the Investigating Energy risk management plan document on the OHEEC website.
Clothing	Students will wear their school uniform
What to bring	All resources and equipment will be provided
Staffing	It is expected that teachers actively supervise their class throughout the day to support student learning and behaviour management.
Extreme or wet weather	The incursion operates in all weather.
Cancellations	Cancellations need to be made within 2 weeks of the date of the fieldtrip or a cancellation fee $40.00 per class will be charged. If cancellation occurs due to inclement weather on the day, no fee will be charged. If there is a need to cancel on the day, please leave a message by dialling 9247 7321 as early as possible or The Principal on 0400 230 699.
Medical or special needs	Please advise OHEEC staff of any student with special needs when booking the incursion (e.g. disabilities, mobility issues allergies, behaviour issues etc).
Pre-excursion activities	Pre-visit activities carried out prior to the incursion will help students better understand their incursion content and provide links with classroom learning. Please see Investigating Energy program page on the OHEEC website for activities.

Investigating Energy

Summary of Learning Activities and Outcomes

Please note: program is subject to change depending on the number of classes.

Activity	Outcome
1. Introduction Students are introduced to the program and how they will investigate the importance of sustainability and the wise use of school energy resources.	
2. Students learn about where energy comes from, the variety of energy types (including renewable and non-renewable sources) and the environmental consequences of using different types of energy.	**ST3-2DP-T** Plans and uses materials, tools, and equipment to develop solutions for a need or opportunity
3. Students assemble a solar car to observe and understand the processes involved with solar energy.	**ST3-8PW-ST** Explain how energy is transformed from one form to another
4. Students work in teams, using a sustainable house kit, to test the effectiveness of various insulation materials in transforming and transferring heat energy.	**ST3-1WS-S** Plan and conduct scientific investigations to answer testable questions, and collect and summarise data to communicate conclusions
5. In groups students create a presentation to communicate their strategy to improve sustainability to peers.	**ST3-2DP-T** Plans and uses materials, tools, and equipment to develop solutions for a need or opportunity