

# Curriculum connections

## New South Wales

Home Energy Project activities address outcomes for the following Key Learning Areas for Stages 4-5. For detailed outlines of curriculum outcomes please visit [http://www.boardofstudies.nsw.edu.au/syllabus\\_sc/](http://www.boardofstudies.nsw.edu.au/syllabus_sc/).

Key Learning Area	Outcomes	Section
Science		
	Students: <ul style="list-style-type: none"> <li>• develop knowledge and understanding of the implications of science for society and the environment.</li> <li>• identify choices made by people with regard to scientific developments.</li> <li>• discuss evidence supporting different viewpoints.</li> <li>• identify and describe energy changes and the action of forces in common situations.</li> <li>• develop knowledge and understanding of the law of conservation of energy, electrical energy, light and heat energy.</li> <li>• develop skills in the atmosphere, ecosystems, natural resources and technology.</li> </ul>	Calculate Conserve Communicate
Mathematics		
	Students: <ul style="list-style-type: none"> <li>• use a calculator to perform operations with integers.</li> <li>• interpret the use of numbers in a real world context.</li> <li>• apply directed numbers to calculations involving money.</li> <li>• solve a variety of real life problems involving rates e.g. fuel consumption.</li> <li>• learn to choose appropriate forms to display data.</li> <li>• learn to decide whether to use a census or a sample, analyse and present data and draw conclusions.</li> <li>• compare two sets of data.</li> </ul>	Calculate Conserve
Geography		
	Students: <ul style="list-style-type: none"> <li>• identify and discuss geographical issues from a range of perspectives.</li> <li>• analyse the impacts of different perspectives on geographical issues at local national and global scales</li> <li>• explain how geographical knowledge, understanding and skills combine with knowledge of civics to contribute to informed citizenship.</li> </ul>	Calculate Conserve
English		
	Students: <ul style="list-style-type: none"> <li>• respond to and compose texts in different technologies.</li> <li>• use and describe language forms and features, and structures of texts appropriate to different purposes, audiences and contexts.</li> <li>• think critically and interpretively about information, ideas and arguments to respond to and compose texts.</li> </ul>	Calculate Communicate
Art, drama, music, design and technology		
	Depending on the type of <i>Communicate</i> presentation format chosen, Home Energy Project activities address outcomes for art, drama, music, design and technology.	Communicate