

February - Energy Efficiency

High Tech - Step-By-Step Activity



**Calendar for
Climate
Change**

Quid-Pro-Guo - Inter-generational
Education to Ease Global Warmi



Step-by-Step Guide


Climate Change Topic	Energy Efficiency		
High-tech or Low-tech?	High-Tech		
Duration of Activity (in minutes)	25 minutes	Learning Outcome	<ul style="list-style-type: none"> ● Basic knowledge of smart meters and smart homes ● Discuss how smart devices can reduce the carbon footprint of homes ● Willingness to reduce one's carbon footprint by using smart devices
Materials Required for Activity	<ul style="list-style-type: none"> ● Mobile device with internet access 		
Step-by-step instructions	<p>Introducing smart devices into your home is one of the best ways technology can be used to make homes more energy efficient. By making your home a 'smart home', energy intensive things such as lighting and heating can be directly controlled from a mobile device. This allows homeowners to make conscious decisions in the energy they use every day. Introducing a smart setup in your home can seem at expensive at first, but in reality the savings it can produce from both heating and lighting by far outweigh the upfront cost. In this activity, you are going to take some time to research the different smart home systems you can purchase, and determine which one best suits your purpose.</p> <p>Instructions:</p> <ul style="list-style-type: none"> ● Step 1: Take some time to reflect on the largest energy-consuming devices in your home. ● Step 2: Do some minor research into the available smart home setups that can help to combat these energy efficiency problems. ● Step 3: Smart homes can seem very expensive at first with a large up-front cost and running costs to be taken into account afterwards, however, the cost of running these smart devices is miniscule in relation to the savings offered on other devices such as thermostats. <p>Some ideas</p> <p>Google Home: https://home.google.com/welcome/</p> <p>Amazon Alexa: https://www.amazon.co.uk/b?ie=UTF8&node=14526211031</p>		



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