

June - Air Cooling

High Tech - Case Study



**Calendar for
Climate
Change**

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



Case Study: Smart Thermostat

Month:	June
Unit Title:	Air Cooling
Case Study Title:	Google Nest Learning Thermostat



Source: Unsplash, Sean D

Name of the Climate or Social Enterprise or Activist Group:	Nest Learning Thermostat by Google
What is their Story?	Google has been a champion in smart technology since the early 2010s. Their connected home programme aims to allow homeowners to be able to control their home directly from their phones. While this could seem very energy-intensive on your home as opposed to energy saving, these devices are actually a great way to save money as it allows people to track their energy usage from their phones.




Link to the Case Study:	Link: https://store.google.com/ie/product/nest_learning_thermostat_3rd_gen?hl=en-GB&pli=1
Why is this a Good Example to Follow?	<p>The Nest Smart Learning Thermostat is a great option because it uses machine learning to understand your home's heating habits to automatically adjust the temperature in your home to save you the most amount of energy and money on your bills. The thermostat is fitted in your home instead of a traditional thermostat and is adjustable directly from your mobile phone.</p> <p>By using smart technology such as smart thermostats in your home, you can see straight from your mobile phone the amount of money you are spending on energy as well as the temperature. This also has the added benefit of not needing external installation and is relatively cheap in comparison to alternatives on the markets.</p>
What Impact has this case study example achieved?	<p>By introducing smart thermostats into our homes, Irish people can help to accurately cool and heat their home from the ease of their phone during the warmer and cooler months. The Nest Learning Thermostat works best when combined with other smart technology but works well on its own. By being able to track the heating habits of your home as well as the energy used by your home, homeowners can cut back on their bills and environmental impact by reducing the amount of energy used.</p> <p>The smart thermostat also has the benefit of giving homeowners a cheap alternative to much more expensive cooling techniques such as geothermal heatpumps or air conditioning, both which are expensive to install/run, or have a detrimental impact on our environment. Smart thermostats have helped to reveal that in most cases, heating systems consume much more fossil fuels than is needed (Outrider, 2019). By installing a smart thermostat, homeowners can keep an eye on the amount of fuel their heating and cooling system.</p>
References	Outrider. (2019, January 25). <i>Smart Thermostats: A Climate Solution That Saves Energy and Money</i> . Retrieved from Outrider: https://outrider.org/climate-change/articles/smart-thermostats-climate-solution-saves-energy-and-money



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