

# November - Heating

## High Tech - Step-By-Step Activity



**Calendar for  
Climate  
Change**

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



## Step-by-Step Guide

<b>Climate Change Topic</b>	Heating		
<b>High-tech or Low-tech?</b>	High-Tech		
<b>Duration of Activity (in minutes)</b>	25 minutes	<b>Learning Outcome</b>	<ul style="list-style-type: none"> <li>● Research smart meters and apps</li> <li>● Test different apps to help to heat one's home or office</li> <li>● Discuss heat pumps and how they function</li> </ul>
<b>Materials Required for Activity</b>	<ul style="list-style-type: none"> <li>● Mobile device with an internet connection</li> </ul>		
<b>Step-by-step instructions</b>	<p>In this activity, you will undertake some research on alternative heating methods for your home, and how you can use technology to track heating usage in your home. Below you can find some suggestions on the different types of heating meters you can get installed into your home to help track your heating usage, as well as cut down on heating costs.</p> <p>Before you can pick out a heating system, you need to first identify the needs of your home:</p> <ul style="list-style-type: none"> <li>● How many rooms need heating?</li> <li>● Do you need two individual heating zones?</li> <li>● What is the budget for updating the heating systems in your home?</li> <li>● What is the current environmental impact of your heating system?</li> </ul> <p><b>Climote:</b> Climote is an Irish-owned brand that installs a smart device in less than 30 minutes that allows you to control your heating directly from your home. It allows you to set timers for each day for each zone in your house, as well as turn on or off the heating directly from your phone. Take some time to read about the device and whether it suits your heating needs here: <a href="https://www.climote.ie/">https://www.climote.ie/</a></p> <p><b>Nest:</b> Nest is a smart learning thermostat that learns from your heating habits to automatically adjust the temperatures and heating times to save you the most amount of time and money. Take some time to do some independent research about the system here, and whether it suits your</p>		



needs:

[https://store.google.com/ie/product/nest\\_learning\\_thermostat\\_3rd\\_gen](https://store.google.com/ie/product/nest_learning_thermostat_3rd_gen)

**Heat Pump Installation:**

It is also important to do some independent research on the alternative heating systems available to home owners in Ireland. Heat pumps are a heating system alternative that moves away from traditional gas heating. Installation of these systems can be quite expensive, therefore take some time to do some independent research on the different types of heat pump systems available, and the grants available for installation in Ireland.

**Link:** <https://heatpumpsireland.ie/>

**Infrared Heating Panel Installation:**

Infrared heating is another alternative heating system that is much more environmentally friendly and cost effective. Infrared heating uses electromagnetic energy generated by electricity to heat our homes. Installation, much like heat pumps, can have a high upfront cost, that is why it is important to do some independent research to understand the installation process, the types of systems available, as well as grants available. You can find some start-off points below:

**SEAI:** <https://www.seai.ie/>


**Infrared Heating Ireland:** <https://infraredheat.ie/>



Co-funded by  
the European Union



This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).



# Calendar for Climate Change

Quid-Pro-Quo – Inter-generational  
Education to Ease Global Warming



Co-funded by  
the European Union

"The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."