Royal Academy of Engineering

THIS IS ENGINEERING

SUSTAINABLE FUTURES

Match the house heating scenario to the graph

House heating scenarios

House A
Well insulated, thermostat between 19 and 20 degrees.

House B
Heating on all the time

House C
Poorly insulated in the winter.

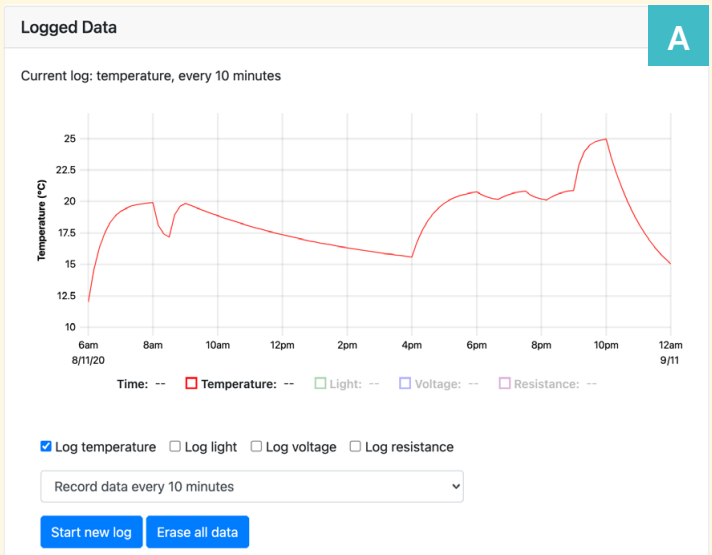
House D
Door left open in the morning, heating turned up to 25°C in the evening.

- Create your own scenario and matching graph.
- Show your classmates the graph. Can they work out what the scenario is?

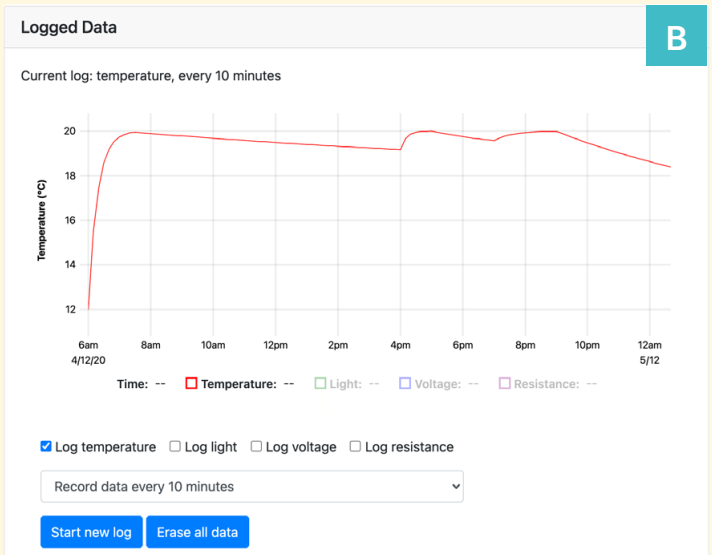
Time to analyse

- What do you notice about the scales on each graph?
- How does this impact what the temperature change looks like?
- How much does the temperature drop between 9am and 4pm on graph A?
- What about the same time on graph B?

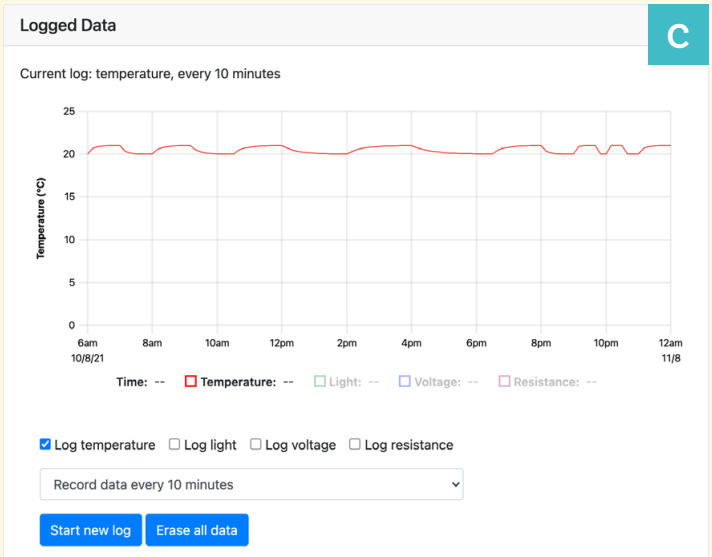
A



B



C



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